

NATIONAL SPORTSMAN

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APRIL 1929

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Stepping Stones to Trout
By Ray Bergman

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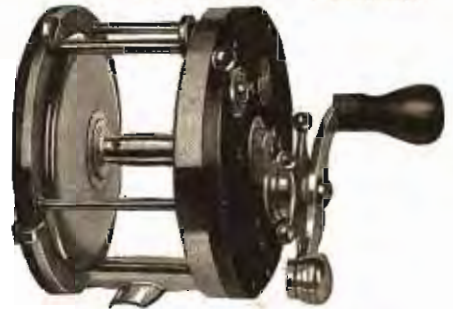
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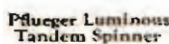
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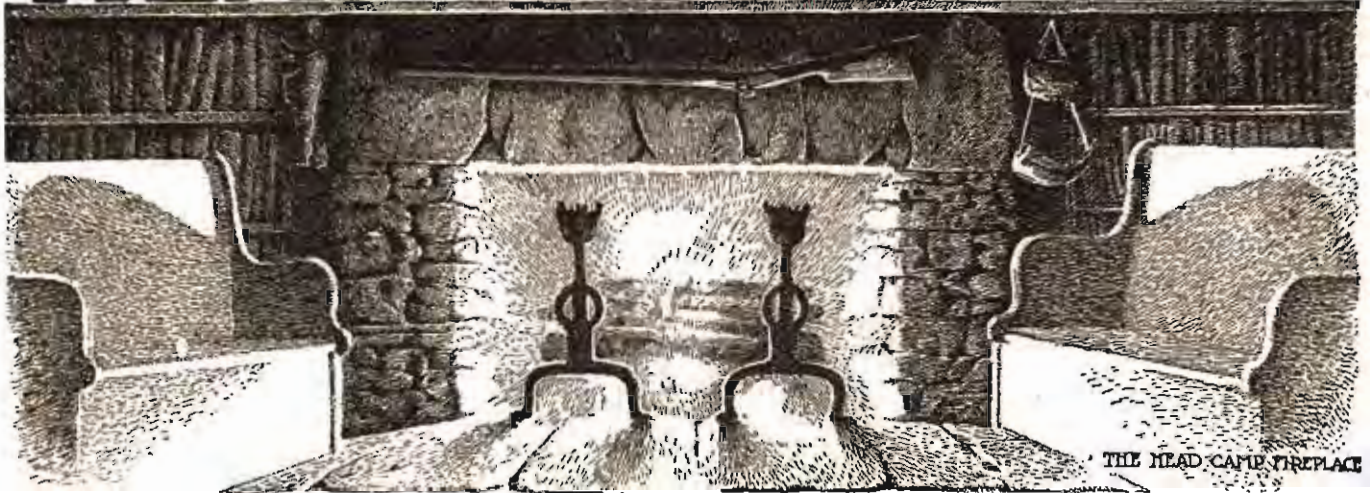
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HEAD CAMP TALKS



THE HEAD CAMP FIREPLACE

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TIONAL SPORTSMAN, Inc. Publication Office, 404 N. Wesley Ave., Mount Morris, Ill. Eastern Office, 108 Massachusetts Ave., Boston, Mass., U. S. A.

Good News

THE long-fought fight for a system of national wildfowl refuges has come to a happy ending. On February 9th the House of Representatives passed the Norbeck-Andresen Bill. With the signature of the President, this bill became a law and the Government has now taken upon itself the institution of a system of wildfowl refuges to be purchased and maintained from the general funds.

It is high time that this be done. Dating back to the signing of the Migratory Bird Act with Canada, this country has been under an obligation that has not been fulfilled. Canada was protecting a major part of the North American wildfowl on their breeding grounds, only to send them South over the border into a land where tardiness in working out a satisfactory system held back the program of annual wildfowl protection. "Better late than never" is an old wheeze, but we still have evidence of its truth.

The signing of the Norbeck-Andresen Bill constitutes what is probably the most important Government act in connection with the future of our wild life. The Bill itself, with its appropriation of \$8,000,000 will not prove a cure-all for the wildfowl situation. The expenditure of this amount, distributed as it is to be over a period of years, will do a great deal in the way of providing much-needed wildfowl refuges in the

various states. That sum will not prove enough to do the job thoroughly, but the great importance of the passage of the Bill comes through the fact that our Government has now made an appropriation from the general funds for the protection of wild life. It thereby registers itself as recognizing such a program as being essential to the welfare of the nation.

There were times during the attempt to pass what was known as the Game Refuge Bill when the situation was not only unsatisfactory, but more or less disgusting. There is no doubt but that there were many conscientious men arrayed on both sides of the question. There were many more who remained inconspicuous, feeling that while the old bill had undesirable features in it, the country was in such a crying need of some sort of action that a bill with flaws was better than none at all.

The Norbeck-Andresen Bill is really the old Game Refuge Bill revamped. It has been reconstructed leaving out those features that were unsatisfactory to so many. Its passage should be cause for rejoicing on the part of sportsmen throughout the country. It marks a very important step on the long road to better hunting conditions in North America.

Propagation of game can only be increased and fostered by preserving natural refuges and sportsmen should urge state and county legislative bodies to cooperate.

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... and so to bed ... late ... too much supper ... wish

I could get to sleep ... bad dreams ... business worries ...

dog barks ... baby cries ... time to get up ... jangled nerves

... irritable skin.

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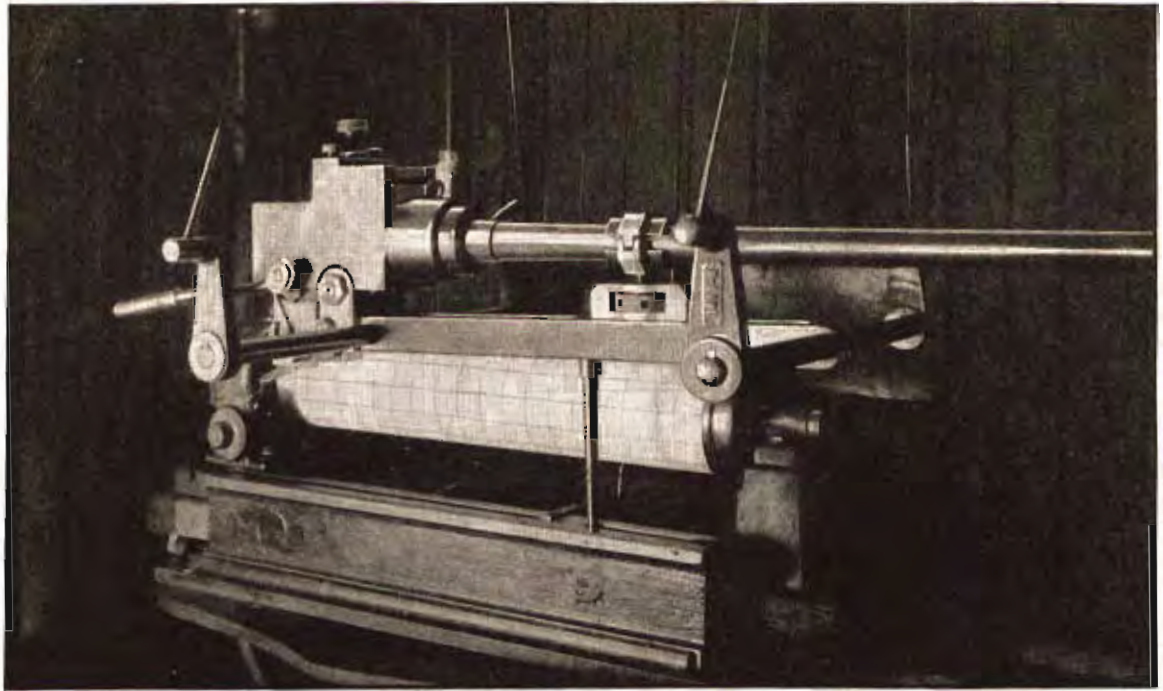
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No. 3 OF A SERIES OF TALKS ON AMMUNITION QUALITY



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Sectional View of Pressure Gauge Showing Location of Piston and Piston Hole

This pressure test, which provides a safety control, is frequently made during the manufacture of du Pont smokeless powders. Every pound of du Pont powder must develop the pressure specified by the ammunition makers, who, in conjunction with the gunmakers, have worked out an ample margin of safety. The ammunition loaders repeat fundamentally the same tests when load-

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The gunmaker likewise makes tests for safety—the most important of which is designated, “The Definitive Proof of the Gun.” In this test the gun is subjected to a pressure from 25 per cent to 40 per cent greater than the service pressure thus providing the necessary margin of safety. The use of elaborate testing equipment operated and supervised by ballistic experts ensures the uniformity of performance of du Pont Smokeless Powders, and the consequent satisfaction and safety of shooters.

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SMOKELESS SHOTGUN POWDERS

The Game Restoration

"Sow that you
may reap"

Program

by
Arthur L. Clark



Wild Geese and Mallards on lake in Sully's Hill National Game Preserve, North Dakota.

TWENTY years ago the suggestion that Congress authorize the purchase of refuges for wild fowl and provide \$8,000,000 for them would have been considered ridiculous. This year it has become a fact by the passage of the Norbek-Andresen Bill by the House on Feb. 9, having previously been passed by the Senate.

This is the outgrowth of the old Game Refuge Bill, favored by some, opposed by others and discussed for years with little progress being made. There has never been a serious difference of opinion about the purpose of this legislation. Both factions were agreed as to the necessity for wild fowl refuges to be established as quickly as possible by the Federal Government in cooperation with the states. They disagreed, however, on the details, mostly as to how the necessary funds should be raised. Finally the warring factions realized that valuable time, effort and funds were being wasted. They got together, drew up a compromise bill agreeable to all, and with the support of practically the entire sportsman body presented the bill to Congress, and it was passed.

This legislation supplements the original Migratory Bird Act and Treaty with Canada, passed after a long and bitter struggle. Since that time most of those who opposed it so vigorously have accepted with good grace and sportsmanship the theory that the Federal Government must have at least a general control and jurisdiction over birds which are constantly on the move, passing from or over one state to another and back again. They have seen the benefits of the theory put into practice and have come to realize that the legislation enacted did not go far enough. The authority given to the Federal Government by this Act was for all practical purposes confined to establishing closed seasons, bag limits, and other purely restrictive regulations. Experience has shown in this case as in many others that restrictive legislation unless supported by constructive measures providing for an increase in the game supply, cannot accomplish the desired results. Game breeding and game keeping must be resorted to whether the breeding be by artificial or by natural methods. In the case of wild fowl, the only practical method for the Federal Government, working on a large scale, is to make conditions suitable for the nat-

The Federal Government is now committed to the policy of establishing and maintaining wild fowl refuges.

ural increase of wild fowl by providing protected resting, feeding and breeding areas for them.

The importance of the Norbek-Andresen Bill just passed lies in the fact that the Federal Government is now committed to a policy of *constructive game restoration* and is provided with funds to carry it out. It authorizes the appropriation of \$8,000,000 from the general funds (instead of by Federal license fee) for the purchase of marsh and swamp lands for migratory bird refuges. \$8,000,000 will buy enough territory in each state to provide the necessary refuges especially since expensive land is not needed or wanted for the purpose.

Now that the bill is passed, it is only natural for us to sit back complacently with the snug thought that our wild fowl are safe. But, are they? The Federal Government, Bureau of Biological Survey, will proceed with plans already partly made selecting the most desirable strategic locations from the point of view of the greatest need of the birds and the greatest good to the largest number of people. If the first refuges are not established in your state, don't crab and slow up the works. Only by cooperation was this legislation passed and only by adopting a similar fair policy

of give and take can the benefits from the Bill be realized to the best advantage of all. At best it will be some years before all the necessary refuges can be established and even then there will be need for smaller auxiliary refuges maintained by the states as well as by local sportsmen.

Our obligation to our sport is never ended. Even with refuges established, both Federal and state, we can ruin our sport or improve it by our own activities. Many sportsmen follow a game code of their own, more restrictive than that laid down by law, giving each bird more of a chance. We may take up a smaller gun, shoot ducks or geese only on the wing, confine ourselves to two shots except for cripples, and in many ways give our game a better break and ourselves a pleasant satisfaction and deserved pride in our code. So much depends upon the individual and the conditions that it is for each one to decide what his code of sportsmanship shall be so long as it is within the limits of general laws. We can also help by establishing small local refuge areas and by planting food for wild fowl there. In many other ways that will occur to any wild fowler, we can build up our sport and as a just reward enjoy better shooting.

Will the upland gunner and fisherman be aided by the Federal Game Refuge Bill? Not directly to any extent. That is intended primarily for wild fowl. The refuges will not be suitable for upland game. In some cases ponds or streams within the refuge may be utilized as breeding or



nursery areas for game fishes, but that is incidental. The proper function of the Federal Government does not extend to include upland game. That is purely a local problem. It can be handled satisfactorily only by the sportsmen in each locality aided by their state. The general laws at least must be administered by the state. In some cases, however, additional restrictions or special rulings may be enacted for counties or by smaller localities so long as they do not exceed or conflict with the state laws. The state must also maintain a force of game protectors, establish game refuges, game farms and fish hatcheries—in short, its proper function is to undertake work which individuals cannot do and to supervise and encourage individual initiative.

Too many sportsmen seem to feel that their responsibility to their sport has ended when they have paid their license fee. Let us consider the conditions right in your own home covers and local streams and ponds. Are you satisfied with the supply of fish and game available, or would you like to have better hunting and fishing there? During your vacation of a week or two you may travel to some distant sportsmen's paradise of virgin streams and primeval wilderness where the hunting and fishing is ideal—like the good old days. But, for the other week-ends in the year, fifty in number, not counting holidays, you must depend for your sport on the supply of fish or game within easy reach of your home. Of course, you would like to have better hunting and fishing there. The question is:—How are you going to get it?

A moment's thought and you will realize that the amount of your license fee cannot possibly pay for the game needed to restock your favorite cover much less to employ a man to serve as game keeper for the area. You will agree also that game breeding and game keeping offers the most direct and quickest plan if not the only way to increase the supply of game in your local covers and to improve your sport. The Federal Government cannot do that work for you. Your state can help so far as its funds permit, but it can never build up an organization large enough to do all the work or raise funds to pay for it. The only answer is that you are the only one left, and if you want better shooting, you must develop it yourself. The Game Restoration Program is designed to show you just how to accomplish that.

Perhaps you are depending upon natural increase to keep up the supply of game in your covers. Natural increase is important, but it is uncertain and cannot be depended upon. That is, unless it is aided by game keeping which is even more important than game breeding. Game keeping generally refers to preparing the ground (or the water) for the introduction of new stock and cultivating (clearing out the weeds) to keep it suit-



There will be more game next year with this Great Horned Owl out of the way, reported by Ralph E. Williams, Round Lake, N. Y.

able for game or fish and their natural increase. It also includes the establishment and the maintenance of game refuges on lakes and marshes all or in part suitable for wild fowl and the setting aside of other areas for upland game.

It is easy to understand that where conditions are suitable for any kind of game and fish, if natural enemies are controlled and the food supply increased, the fish or game there can be increased up to any desired quantity by restocking or by natural propagation. For example, the pheasant shoots in England are conducted by placing the gunners in position, after which pheasants are driven to the guns, flying over them, just as many as are desired by pre-arrangement with the game keeper. In other words, it is simply a matter of raising, liberating and feeding pheasants. It is also a matter of dollars and cents.

Under the conditions in this country it is likewise a matter of game breeding, game keeping and of dollars and cents.

Fortunately, however, for those

of us whose dollars have to be conserved, we can accomplish similar results by giving some of our time and efforts to game breeding and game keeping instead of paying some one to do that work for us.

Let us suppose that upland shooting is your favorite sport.

and that the law says that you can take ten cock pheasants in a season. All you need to provide your legal limit of shooting in your favorite cover is twenty-five pheasants. Half of these would be females, and there would be a few cocks left over for seed. Under conditions existing in many places, most of these birds would be killed by vermin. So, before liberating them you would have to clean out their natural enemies and keep them under control right through the year. You might have to increase the food supply either by feeding grain, especially in winter, or by planting natural fruit-bearing shrubs. That is all simple and reasonable enough.

but the big point is: Where are you going to

get the pheasants and who is going to take care of them? You are going to do it yourself, or it isn't going to be done.

The problem of *how* to restore and maintain good upland shooting is well enough understood so that many sportsmen are getting good results from their own efforts. The only thing that most of us do not understand or appreciate is that

no one can or will do this work for us. Certainly, we cannot look to the Federal Government to restore upland game. That is a local problem. The state department cannot raise enough birds to meet the needs nor can it possibly give the close

(Continued on page 43)



The Head Man in the back-yard pheasant pen of Morlon E. Davis 3rd. (age thirteen) Green Bay, Wis.



Refuges for upland game aid natural increase. This wild hen pheasant would not leave her nest when the cameraman came close.



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the tackle best fitted to that sport.

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"EVENING"

By Frank W. Benson

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NATIONAL SPORTSMAN



Vol. LXI

APRIL, 1929

No. 4

Stepping Stones to Trout

by Ray Bergman

I WAS just twelve years old when I first became enchanted with the idea of going fishing. The desire came suddenly and most violently one day, while I lay prone on the bank of a marshy stream watching some large red-fins which were sunning themselves on the rippled sand bars in the warm June sun.

The first impulse had been to capture them. I tried to scoop them out with my hands and attempted to corner them in a shallow part of the pool as they darted here and there through the sparkling spring water.

Of course I did not get any of them; they were much too quick, too clever, to be taken by such methods, but I did get soaking wet, besides very much out of breath and I certainly learned to respect the little fish for their ability to take care of themselves, before I finally conceded my own defeat.

How to get them then became the mighty problem. I asked Dad about it and he fitted me up with an eight foot, steel bait rod, an inexpensive reel, an old enamel line of his own and a package of hooks.

I was certainly proud of the outfit, especially the hooks, as they were *snelled* and not the common ringed variety. He then told me to dig some worms and said that I would surely be able to catch the red-fins with them.

THE very next day I was back to the brook, sitting on the bank in great contentment, my bare feet dangling and splashing in the crystal clear water, my mutilated worm resting inactive on the stream bottom and every fish in the pool frightened beyond any desire of feeding by my proximity to their habitation.

I could not understand why I did not get some fish. Dad had said that they would surely take the worms. I pulled my bait out of the water and looked at it critically. "P'raps," I murmured, "I should spit on it. Spittin' on anythin' is allus good luck." I went through the ceremony very solemnly indeed and was just prepared to drop the worm back in the stream when I heard a twig crackle behind me.

"Hullo sonny. An' what d'ye think yore tryin' ta do?"

I was startled and jumped to my feet in confusion.

"Nuthin'," I replied, rather sullenly.

The old fellow smiled broadly as he stooped to pick up my rod which had fallen to the ground.

"Saw ye spit on the wurum," he chuckled. "Shucks! Thet wont ketch ye any fish. Hmm, wall. Ye're jes' be-ginnin', aint ye. Saw ye plank yer self right plumb in the

hole an' knew ye didn't know nothin' about it, not even 'nough ta ketch red-fins. How'd ya like ta larn how ta ketch trout? Huh?"



The dry-fly nearly always is cast upstream. It must be handled delicately, in order that it may float naturally on the surface.

I WAS extremely bashful; a boy who shunned company and lived in a world of dreams. For a moment I stood there silently, in abject misery, on the verge of running frantically away and then the full import of the old angler's proposal penetrated the riotous confusion of my brain. "Like ta ketch trout?" The words rang in my consciousness and conquered my hateful backwardness.

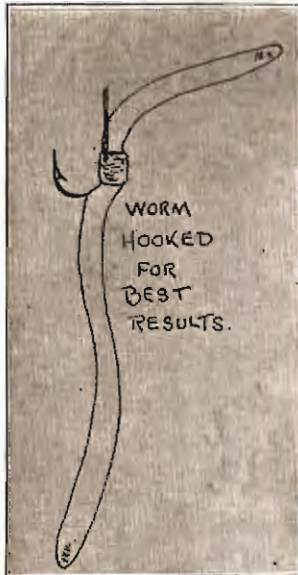
"Aw, -g-g-gee. —I'd l-l-like ta," I stammered.

I followed him down stream through the tangled underbrush, of a second growth woodlot and into a ravine where the brook began to sing a merry song as it tumbled along the rocky bed. He stopped within sight of a high, steep bank against which the waters of the stream dashed in reckless glee and then turned

abruptly at right angles to spend its force in the forming of a deep, black pool.

"Thar's whar they is sum big 'uns," said my guide. "Les' see yer wurum. Wall, guess I better put on t'is new lively 'un. Ye musn't stick yer hook through the vitals of the wurum like ye did. It kills 'em an' spiles 'em fer good bait. Jes' hook 'em easy like through the skin, in two places and leave both ends dangle plenty,—like this." He held up the newly baited hook and I absorbed the graphic lesson.

"Ye must r'member thet trout kin notice ye purty well



Fred lands a brown trout, turning the trick on a brown Andalusian.



fighting fish. I lost all sense of ethics. I forgot that the old angler was watching me. All that existed at that moment was the big fish, the first fish I had ever hooked. I wanted him, I felt that I must get him. In a panic I dropped my rod, grabbed the line and started pulling the big trout in hand over hand. There came a violent splash on the surface of the water, I saw a monstrous shape and



ef ye aint keerful," went on my tutor, "an' fer thet reason ye must try an' c'nceal yer self all ye can, specially on sech a small brook as this 'un. Ye see thet alder bush there? Wall, jest get on the upstream side o' thet an' then do as I tell ye ta. Thet's right. Now, jes' pull oft'n sum line frum yer reel till I tells ye ta stop."

I did as I was told and stripped off some ten feet.

"Thar, thet's 'nough fer now. Jes' drap that wurum in the water, right by yer feet an' as it starts ta float down the riffle wave yer pole back an' forth so thet it causes the slack line ta foller yer bait. Thet's it,

yer doin' fine but don't wave yer pole so hard, 'taint nohow needed. Now pull off sum more, jes' a little; thar, thet's 'nough ta let yer wurum folly that current down into the hole an' when it get's thare it will be close ter bottom, whar the fish is jest now."

I HELD my rod in all intensity; nerves alert.

"Now start takin' in the slack—slow! Thar, ye see that twitchin' o' the line? Thet's a trout on thar. Leave 'im have it a bit. Now take in the slack again, slow now, an' when ye feels sumpin' pullin', strong like, RIZ YOUR POLE QUICK!"

I did as he told me, quivering with eagerness. I felt the pull. I raised my rod and was fast to a struggling, pulling,

then came a sickening slack. The old line had parted from the undue strain it had been subjected to. In boyish desperation I dropped everything and made a dive in the pool. The cold water brought me to my senses and I pulled my bedraggled self out on the bank to come face to face with my friendly teacher.

"Huh!—ye shore done los' the bes' fish in this yere stream an' I callate it's the one I tole Marthy I wuz goin' ta ketch 't day. I sead 'im long las' fall when I wuz trappin' fer mink here-a-bouts an' he'll weigh a couple pounds. Why in tarnation didn't ye drap thet line when ye heard me yellin' at ye. Thet line wuz plenty strong 'nough te hold 'im ef ye played 'im on yer pole the way yer orta. Shucks."

IT WAS a lesson on the correct way of playing a fish that I was graphically illustrated and I never forgot it. I learned a lot more that first morning of my fishing career and went home with four native trout that made my dad's eyes open wide with astonishment. He could hardly believe that I had caught them and indeed it was enough to test his credulity; a twelve year old catching trout like that on his first day's fishing.

Like all beginners, riding on the crest of a wave of good fortune, I began to feel that I was the world's best angler and I was lucky, extremely so, until along in late June, when the streams became low. After that I couldn't catch a thing so quit until the following spring.

It wasn't until my fifteenth year that I started to think of fly fishing. Repeated failures, after the successful spring bait season was over, had a lot to do with this new thought, as in my efforts to find out the reason why, I started to read the outdoor publications. The stories about fly fishing fascinated me greatly, so I went to work and earned the price of a fly outfit. It was not an expensive outfit but it was very serviceable and consisted of the following: ie:—a ten dollar rod, a three dollar reel, a two dollar enamel line and an assortment of flies. This last collection was rather meager but it was of good choice. The magazines had attended to that.

When the trout season opened in my fifteenth year I went fishing without my can of worms and my package of hooks. I thought that all difficulties were solved when I purchased my new outfit—that I was equipped to take trout under any circumstances.

WHAT a disappointment I experienced. I failed to take even one trout that first day and also for the following three weeks. This was not so much because of my faulty fishing as it was because of my lack of angling knowledge. The most skillful of anglers would have found it a hard task to catch even a few trout, on a fly, in the overflowing, discolored streams, filled as they were with snow water and bottom food.

Then one day, about the first of May, when the brooks were just beginning to get normal and the sheltered



Bill hooks a lively one—you can just see the splash by his right knee.



Fred in difficulties—just lost a pound trout and is now all "tied up."



woodlands were starting to take on a faint suggestion of delicate green, I had the good fortune to spend the day on a turbulent mountain stream with a wet fly angler of great skill.

The stream in question was one which was located some eighteen miles from my home, a long distance indeed at this time when the bicycle constituted my means of transportation. It meant work to reach new fishing waters then.

HOW well I remember my first glimpse of that brook. The turbulent waters and the thickly wooded, hemlock studded ravine, through which it rushed to the stately Hudson, fascinated me. It was wild, yet friendly and I was extremely happy as I followed its tortuous, rock strewn course.

But I did not make out at all with my fishing. I almost believed that the stream was void of fish life. Of course the truth was that I knew nothing of the fine points of wet fly fishing. The only method I entertained was one of fishing my flies down stream with the current and skittering them along the surface of the water. In most places the water ran so swiftly that my flies were in the air most of the time, which might have been all right on some streams and under other circumstances, but which was utterly useless here.

At noon I stopped to rest and to eat my meager lunch. Even my boyish optimism had suffered beyond its capacity of endurance and I had about decided to call it quits when the second character of my angling experiences made his appearance.

He had just come around the bend just below me when I first saw him and my first impulse was to get out of sight as quickly as possible. I was still a pretty bashful boy. However, fate intervened, for just as I started to leave I saw the angler hook a good trout and the fascination of seeing the miracle held me rooted to the spot.

HE WAS a friendly chap, that angler. After he had landed the trout he held him up for me to see and then started to approach me. I could do nothing else but await him.

"Th' beauties are takin'

well t'day," was his greeting. "S'pose you've already got all ya want an' are takin' a rest."

I gulped and almost strangled. "Ain't got none," I managed to say.

"Huh? Well, that's too bad. What seems ta be th' trouble?"

"Ever'thing," I replied. "Never did no fly fishin' before."

"I see." He pondered for a time. Then, "I'd be glad to show ya how if you'd like ta learn."

"Be too much trouble," I muttered, rather ungraciously.

"Trouble? Why what do ya mean, boy. 'S never too much trouble to teach a youngster how to fish, specially fly fishin'. Now you just come along with me."

Just a bit up stream from where we stood was a rock studded riffle. The current was swift but not enough to cause white water.

"Just the place to start," said my new friend. "Now let me see your cast. Hmm—Not so good. Got a royal coachman?"

I nodded and dug one out of my book, tying on the dropper.

"That'll do. And now, I don't suppose you've got a fly that might look like a caddis creeper—no, I know you wouldn't have that. Let's see." He fingered through a much worn fly book. "Here, I'll tie on one of my own, one that I tied myself to imitate the choice morsels—weighted too, so they will sink to bottom.

YOU know, this stream bottom is covered with these caddis bugs and just now the trout are gorgin' on them to the exclusion of anything else. Now we will soak these flies before casting them where they are likely to be seen by a trout. A perfectly new, dry wet fly will often float in such a manner that it will frighten a wary fish an' besides we want our flies to sink evenly, without any hitch, the instant they touch the surface of the water. Another thing, I have always found that a bedraggled, sorry lookin' wet fly

(Continued on page 34)



Changing flies—one of the most interesting parts of fly-fishing.



No upland
gunner bags
a partridge
without
spreading
the fan for a
look.

His Majesty the Ruffed Grouse

by
Kenneth F. Lee

EARLY on the morn of the 29th of October, George tooted his auto horn right under my window. Just once . . . for I was awaiting that particular toot with considerable impatience. Slipping into my shooting jacket, I glanced out, and caught an eyeful of Gyp, George's red and white setter, curled comfortably up on the rear seat of the car.

I might mention in passing that George's last name is Stobie . . . his native burg is Waterville, Maine, and Gyp is one of the finest setters in the Pine Tree State . . . a field trial winner, and "considerable dawg" as we natives have it.

Two minutes . . . and we were rolling out toward Vassalboro . . . Vassalboro, where the grouse and woodcock covers are as familiar to me as the grass on my front lawn . . . for I was brought right up in 'em, and have at least a shootin' acquaintance with every grouse family up there.

We pulled out beside a big pine and stopped, feeding shells into the guns with eager hands. George had a beautiful engraved gun, with ejectors, gold triggers, 'nd-ev'ry-thing. I was totin' a new little 20, a single gun, which is well balanced and throws a nice, tight pattern. This was the second time I'd had it out, for I stick pretty close to my 20 ga. pump. So I had to brag a little about the new gun . . . to sorta make up for its lack of ornamentation. Later in the day I wished I had restrained this impulse.

"**S**HOT at three biddies and two woodcock with it last Saturday, George" said I. "Killed both woodcock and two of the biddies . . . and got a hatful o' tailfeathers outa the other one."

"Nice shootin'. Try and keep it up today" suggested George. "What will we find in here?"

"We won't waste much time in here. There are a couple of old biddies that visit the thorn-plums in this corner, near the stone fence, and when they flush they always fly across a little opening just below the end of the wall. I'll go down there and wait, and you work Gyp through the cover. One of us'll get a crack at 'em" I replied.

It was windy, and the leaves were dry and noisy. On such days the birds

are generally "hystericky", and will flush wild. In five minutes I was posted at the edge of the little clearing, and could hear George and Gyp coming through toward me. Then an old drummer roared up out of the thicket, with the wind behind him he came tearing out across the open space, sixty yards high and still climbing. Leading him a good six feet I slammed a load of chilled sevens at him, but he kept on, and slanted down into the woods, too far away to chase.

I was reloading when the second bird flushed; he came boring along about four feet from the ground, twisting and zigzagging through the dense thicket in the wonderful flight that makes a prime drummer such an elusive mark. Ten yards from the gun, and I scored the second clean miss of the day. George joined me . . . smiling sardonically . . . also Gyp, looking reproachful too. Neither George nor Gyp said a word, however.

We piled into the car and went on, across the electric line and up a stiff hill through hardwood growth . . . across a "four-corners" and down another hill. "Pull out to the side of the road and stop" I said then, "We'll find both woodcock and grouse along the wall here, unless they have left since Saturday."

AGIN George gave me the post of honor. I walked in the edge of the field, while he and Gyp followed inside of the wall, working slowly and carefully, for it was mighty birdy in there. Suddenly I heard the whistle of a woodcock, and saw the little brown chap boring straight at me. George saw him, too, but neither of us could shoot without endangering the other's eyesight. The woodcock escaped. Then a grouse jumped from one of the old apple-trees dead ahead, and I slammed my load squarely into an eight-inch maple in line with his tail.

Not so good. Three shots and not a feather thus far. George flushed two grouse and did not see either of 'em. Then he spoke to Gyp, who was frozen in a beautiful point. "Steady, steady Girl!" He walked in closer and flushed the bird, scored a clean hit. Gyp brought the bird proudly, head well up, and I took a picture of her in the act of placing the woodcock in George's outstretched hand.

Gyp hates the taste of a dead woodcock . . . it is an act of sheer will-power for her to pick one up and carry it in her mouth. But how she does love to retrieve a biddy!

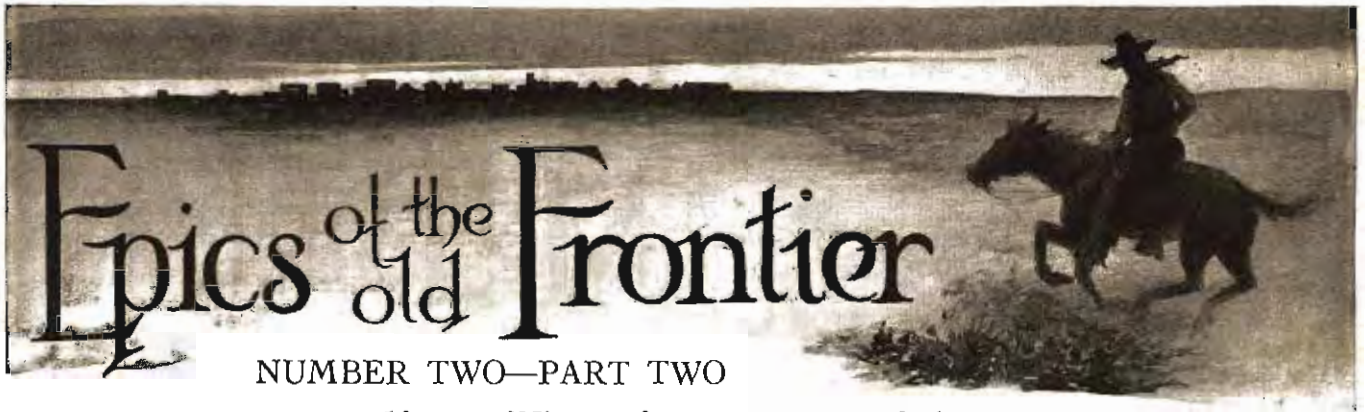
We worked through an open cutting, and Gyp located another big flight woodcock. That is, she almost located it . . . and I finished the job by practically stepping on the bird, which buzzed aloft, straight up into the

(Continued on
page 44)



A long straightaway through the "open". Retrieving the bird—as a rule dogs are almost a necessity, since the colors blend so with the leaves.





NUMBER TWO—PART TWO

Indian Territory Incidents

By Major-General David C. Shanks, U. S. A. Ret.

THE court which had jurisdiction over the entire Indian Territory in all cases involving members of the white race was the United States Circuit Court for the Western District of Arkansas, at Fort Smith, Arkansas. This was the most remarkable criminal court ever established within the United States, and probably never had an equal anywhere else in the world. The judge of this court was the Hon. Isaac C. Parker. During his incumbency he hanged eighty-eight men. The business of making arrests and serving processes was entrusted to U. S. marshals and deputy marshals. To be a marshal in the Indian Territory was a most unwholesome job. During the incumbency of Judge Parker ninety-eight marshals were killed while in performance of their duty. Perhaps I can give no better description of the conditions which made Judge Parker's court the most famous court of our country than to quote a few sentences from one of his charges to a grand jury:

"The duties of this grand jury are much more onerous than those of a Federal grand jury usually are. Most Federal courts deal only with cases directly affecting their government. But here we have nearly all of the Indian Territory attached to this jurisdiction, and the laws of the United States are extended over it to protect that country which for years has been cursed with criminal refugees. They committed some crime back at their homes, and fled from justice, taking refuge in the land of the Indians where by their acts and their influence over the young men they have made a hot-bed of crime. The government in its treaties with the Indians obligated itself to keep all of these characters out, to remove them as fast as they moved in but the promise has never been kept except in so far as this court having jurisdiction over that country has brought these criminals out to punish them."

JUDGE PARKER

was a remarkable man, able, just, unflinching. Sometime early in the year 1887, in company with a brother officer, I visited Fort Smith, and we called upon Judge Parker to pay our respects. His court was in session; but he received us most cordially, and sent one of the attendants of the court to accompany us. We made a tour of the jail where there were a number of prisoners already under sentence of death, and where no fewer than fifty-five prisoners were awaiting trial on charges of murder. A motley looking lot they were:—white men, half-breeds, whose faces in every instance suggested criminal instinct and low mentality.

The attendant showed us also the gallows having accommodations for twelve victims at one time. Six was the

greatest number ever hanged at any one time, but there were five under sentence to be hanged the following week. We saw these five men as we passed through the jail. They were together, and were playing a game of cards—as measly a bunch of human beings as I ever looked upon. They begged us for cigarettes and tobacco. In the very shadow of the gallows these fellows presented a peculiar and gruesome side of human nature. What interested them in these closing days of life? Was it to prepare for another world? Not at all. Was it to take steps to help their families or those who had suffered by reason of their crimes? No, emphatically no. Yet upon eve of execution these murderers all had one great ambition—an ambition to see which one of them could die "the gamest" death—which one could make the most flippant remark as the black cap was being adjusted. One of the five condemned murderers to whom I handed some cigarettes was a negro who thanked me with the remark: "I am going 'to kick off' gamer than any of this here bunch." With that he broke into a loud and brutal guffaw as though he had said something very witty.

I THINK our government made a terrible mistake—it seems to me an unpardonable one—when it permitted these hangings to be in public. It gave just the opportunity these weak minded criminals needed and ardently longed for. Every one of them felt that his reputation would be passed on to future generations if he could but think up some ribald jest that would pass his name on to posterity as "the gamest guy who ever kicked off from the Fort Smith gallows."

In drawing power these hangings quite equaled the crowds that might be expected on circus day. Let me quote from "The Western Independent," a newspaper published at Fort Smith, Arkansas. On the day that six men were hanged this paper published twelve columns concerning the men and their crimes under the caption "A CARNIVAL OF HANGING." The article began with these words: "A little over seven months ago we laid before our readers the details of the execution



The Execution of Cherokee Bill.

of six men on the gallows in the prison yard of the United States Court. Today the same prison yards and the same gallows have again been the scene, and we are called upon to chronicle the hanging of five other men sentenced at the last term of the United States Court to be hanged for murders in the Indian Territory." * * * * *

(Here follows a lengthy description of the criminals and their crimes). The article concludes as follows: "It might have been expected that, with the number of previous hangings, the morbid (Continued on page 37)



Indian women and children at Northwest River.

WHILE fishing the previous evening, the Judge had ascended the river to a fall a mile and a quarter above Disaster Camp, as we called the camp where we had lost the tablet. He reported the whole stretch of water below the fall (which we named Roger Newell Fall) impassable for canoe, and therefore a portage was made to a point above the fall. Then the river work began again, more toilsome and difficult than ever. For several miles the stream, dropping down an incline that rose abruptly into the hills, was separated into two and frequently three channels. These were blocked by bowlders and rock-ribbed bars, which made it necessary for us to work almost continuously in the icy water. Wherever bars occurred, we lifted or dragged the loaded canoe over them by main strength.

The only relief from this constant strife with rapids was on rare occasions when the main channel ran close to shore, and the rapids were too swift and big to risk putting the canoe into them. Wherever this occurred, portages became



The camp in the foreground marks the farthest advance on the Beaver river.

Labrador Lures Me Back by Dillon Wallace

PART III

Continued from March Issue

necessary, and afforded welcome interludes between long intervals of wading. Our outfit, however, was still too heavy, including the canoe, to carry in one load, and this required two trips over each portage, with necessarily slower progress than when hauling the loaded canoe through the water.

WE HAD been enjoying fairly good weather, but on the second day after leaving Roger Newell Fall, a steady rain set in. A raw, bleak wind was blowing, and the river water was icy cold. Drenching wet, and with teeth chattering, we made camp that night among the trees on a slight elevation on the north side of the river. Here lay a beautiful amphitheatre, the first substantial opening in the valley, not claimed by the river, with which we met. Here also the river was again confined to a single channel, and from this point so continued.

Our camp site was a most beautiful and romantic one. A brook fell in sparkling cascades from the summit of a hill on the opposite side of the amphitheatre. Above us the turbulent river disappeared among rolling, forested hills, which closed in upon it to hide it in the seclusion of their unknown and mysterious recesses. In the far distance bald, bleak, weather-beaten peaks rose above the dark green of the lower hills. The forest around us was carpeted with deep, gray caribou moss.

When we had pitched our tent and made things snug for the night, we converted our tarpaulin into a lean-to shelter opening before a roaring fire. Thus we could enjoy the fire and still be protected from a raw and penetrating wind which blew down the valley. What a comfort a good camp fire is at the end of a hard day's work! How it lulls one into forgetfulness of the hardships of the trail! How it soothes and banishes discouragement! How intimate and companionable it is, as one basks in its genial warmth and smokes his evening pipe! The evening hour at the camp fire offers ample recompense for all the toil and disappointments of the day. Here there is time to chat with one's companions, or to contemplate in silence while the darkening shadows of the night steal in upon the wilderness.

"This river," remarked the Judge as he lighted his pipe and stretched his long limbs comfortably by the fire, after we had eaten supper, "is like a bad woman. How beautiful and charming it was at first, smiling at us and deceiving us until it had us fast in its toils and wedded to it. Then it showed its wicked heart."

"I suppose some women is that way," said Gilbert. "They gets a feller married to 'em, and then they makes

Lifting the loaded canoe over the shallows by main strength. Hard on canoe and man.



travelin' lively and rough for him."

The Judge produced his tin whistle and struck up "The Campbells are Coming." He played it five times, and then with soul-rending effect tried his hand at some other selections. There was no applause from his audience, though Gilbert made the helpful suggestion as to one of them, that the Judge "might get to play un if he practiced un quite a bit."

"What a honeymoon trip this would be for a young married couple," the Judge finally remarked, laying his tin whistle aside to the relief of Gilbert and myself.

"'Twould be a hard un *I'm* thinkin' for they to cruise on," Gilbert disagreed.

"Oh," said the Judge, "the bridegroom could track the canoe, and the bride could pick daisies by the way, and they could make love between times."

"I never sees any daisies in this country," said Gilbert seriously, "and a man couldn't be trackin' the canoe alone, *whatever*."

THAT night a steady cold rain set in, which lasted for two days, and increased materially the discomforts of travel. When it did not rain, we were wet only to our waists, but on rainy days we were soaked from head to feet, and after a time we would find ourselves shivering like men afflicted with ague. Then we would call a halt to boil the kettle, and drink hot tea to warm and stimulate us, and make sport of each other's bedraggled appearance. Gilbert declared it was not a canoe trip, but a swimming trip.

On the evening of the twenty-second we were brought to a halt by a chute, where the narrowed river roared down in white cascades between perpendicular walls of rock. From the top of the wall on one side, the hills, rising high above us, had a slope of sixty degrees, and on the other side a slope of forty-five degrees. The footing upon the hillsides was loose and precarious, and it was obvious that a portage around and above the chute would prove a most difficult undertaking.

We pitched our camp upon a level space below the chute, and a survey the following morning disclosed the fact that the only practical method of circumventing the chute and the bad river directly above, was to carry our outfit to the top of the ridge, thence three miles along the top of the ridge, when we might again descend to the river. This was a stupendous undertaking, and we decided at once to cache our canoe and the bulk of our outfit, and with packs cross northward to the valley of the Susan River.

Shortly after this decision had been made, Henry and Murdock appeared with the elusive and much desired baking powder, bringing forward from their cache down the river a light load in their more or less crippled

canoe. The boys were bedraggled and barefooted. They hailed us with joy, and their joy was not diminished when they were told that they were to return to the Post at once, and that the Judge, Gilbert, Poppy and I would make the crossing to the Susan River without their assistance. The afternoon was spent by them in repairing their canoe, and the following morning, in a drizzling rain, they left us.

Immediately the two boys had disappeared in their canoe around a bend in the river, the Judge, Gilbert and I slung our tumpline packs, and began the tedious ascent of the ridge. Winding up the ridge in a snake trail, clinging to bushes to draw ourselves forward, we reached the summit, to descend the opposite side into a basin, where we passed a nameless lake two miles in length, and on the opposite side of the basin began the ascent of another ridge.

The drizzle had become a downpour, driven before the wind in sheets, and on the opposite side of this second ridge, drenched and shivering, we camped at the head of a beautiful lake some four miles in length, which I named Lake Malone, in honor of the Judge.

WE PITCHED our tent before a rock, with the front facing the rock, against which a big fire was at once lighted. The rock reflected the heat, and soon the tent was warm and cozy. To reduce weight, we had brought no change of underclothing from our cache, and in the warmed tent we undressed, wrung the water from our underclothing, and donning them again hung our outer clothing in the tent to dry. Presently a kettle of spruce grouse, secured for us during the morning by Poppy's efforts, was stewing and



The fallen tree lies across the bed of boughs upon which Hubbard died.



Roger
Newell
Falls on
the Beav-
er River.

sending forth a delicious odor. To this Gilbert added dumplings, and I shall never forget that delicious meal, flavored by a ravenous appetite, and devoured as we sat in the front of the tent, our bare feet toward the fire, and our wet underclothing sending forth clouds of steam.

The next day we crossed two more ridges in a drizzling rain, and camped at night with the Susan River valley at our feet, and the song of her rapids in our ears. To me those rapids of the Susan had a distinctive note, quite different from those of the Beaver. A half mile from our camp was the spot where Gilbert and his three companions found me in the deep snow on November first, 1903, starved to a skeleton, helplessly weak, and with frozen feet and stockings, my only foot covering, clotted to my feet with blood.

WE HAD come upon the Susan River many miles below Hubbard's Camp. Gilbert had never been above this point, and I was now to guide our party to the camp. Our course was along the ridge, where better foot traveling was to be found than in the marshy valley. All day on the twenty-eighth it rained, but on the morning of the twenty-ninth the sun came out, bringing with it an avalanche of flies and mosquitos. At half past eleven o'clock we came upon Goose Creek, which I recognized at once, and turning down the creek, a few minutes later reached its junction with the Susan, which we forded below the junction.



The rock and the inscription in memorial to Leonidas Hubbard, Jr.

DIRECTLY above us a clump of black spruce trees hid the rock and the spot that we had come so far to see. The years rolled away. I cannot describe or quite understand the psychology of that moment when I stepped again upon the north bank of the Susan River. I was sure that hidden behind those dark spruce trees was our tent with Hubbard waiting to greet me, upon my return from a scouting expedition. I could almost hear his voice—"Hello, b'y, I'm glad you're back! What luck?"

The Judge and Gilbert waited upon the river bank, and I went forward alone. There was the rock. There were the boughs, now withered and dead, that I had broken and laid for Hubbard's bed, on that night ten years before. The blackened embers of the fire looked as though the rain of yesterday might have extinguished the blaze. There were the remnants of Hubbard's trail-worn moccasins, one of his skin mittens, a spool of the black linen thread that we had used to mend our clothing, two spoons, some of the caribou bones that we had boiled and reboiled, and pieces of the tent, now browned by the snows and

rains of ten winters and ten summers.

AS I STOOD there alone, I lived over that last night, and the morning of our parting. A decade was blotted out, and all that had gone between. It was night. Hubbard lay upon the bough bed, the flickering firelight lighting his poor haggard, weather-beaten face. George by his side was sleeping heavily. In the forest beyond the firelight glow the darkness was intense. The wind in the fir tops sighed wearily. Rain was pattering upon the tent. I had promised Hubbard that I would keep the fire burning. Instinctively I felt that I was keeping watch with Death. In my time I had seen many people die in many ways, and again I felt the Awful Presence. My heart was heavy with fearful foreboding. I dozed as I crouched before the fire, to be

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Our raft as we drew it ashore after crossing the Beaver. Two miles through the forest lies the cabin at the head of Grand Lake.



The big bunch of paw-paws and a ten inch "black perch."

Just Foolin' Around

by Guy W. Von Schrittz

The wind was exactly right to ruffle the water, but exactly wrong to help me place my flies back beneath that overhanging cliff as I waded north.

About two casts convinced me of this so I stopped then and there, thigh deep in the water, and replaced dry flies with a black home-made squirrel tail fly tied on a number one hook, behind a number 1-0 tandem spinner. Upon the hook of the fly I trailed a thin, inch long, pork-rind. Half way up my 16 pound three foot leader I looped on a number eight black gnat perch fly.

That outfit was a game getter. My third cast back beneath that bluff was greeted with a yank and while Harry looked on from the shallow middle of the stream I fought in and creeled a nine inch black perch.

Twenty feet farther along I had a second strike, a vicious, rushing strike that thudded heavily, even as I found no bottom beneath my extended foot and went in with a gasp to the chin.

THAT water was breath-takingly cold and I lost my slack and lost the fish much to Harry's amusement in scrambling back whence I had come. I will always believe that was at least a two pound bass.

Carefully detouring the hole that had caused my downfall I paused while Harry cast a red ibis fly and pork rind behind a number 4 spinner beneath my ledge.

That was a shabby proceeding when

Harry well knew that I had just hooked one fish there. But the rain falls on the unjust as well as the just and Harry was soon ruthlessly dragging a struggling 20 ounce large-mouth across my front, as though he were well aware of his guilt and half expected me to stop the fish and appropriate it as it surged splashing past.

Feeling my way along I returned presently to the ledge and began placing my lure back in where the water met the crumbling rock wall.

I had a nice time back in the cool damp and took four perch before we reached the end of the

hole. Mark caught nothing there; Harry, the one bass mentioned.

Cutting across a bend in the creek to return

(Continued on page 32)

WELL feller!" said Mark. "How about taking that fishing trip tomorrow?"

It had been a hard week. I was "fed up" on heat and perspiration and office work. I hungered for fresh air and sunshine and I accepted the invitation.

"Where shall we go?" I asked, already upon the scent of the enjoyment I always extract from getting ready to go.

"Oh, anywhere." Mark is agreeable about such things. "We might go north-west and take a look at the Pawnee while up there. We'll just fool around, catch a few perch, eat our lunch and make a day of it."

We went. I well remember that day of "just fooling around." I hope I continue to do so. As I grow older I find that I look back more often and more fondly at peaceful, quiet adventures in my past, and less and less at the strenuous ones. Maybe I am getting old. But I don't mind. As Cicero has put it:

"I am very thankful to old age, which has increased my eager desire for conversation."

So that evening I sat and extracted details from Mark over the telephone until the subject was exhausted. Then I went to my quarters and spent two more pleasant hours going over and setting aside clothing and paraphernalia.

IT WAS to be a day of rest and gladness and we were in no hurry, so it was seven o'clock next morning when Mark honked his horn in front of my house and I carried out cameras, fishing tackle, and lunch, to find Harry and a huge box of pies and pastries from his bakery firmly planted in the rear seat of Mark's late edition tin Lizzie.

At eleven o'clock Mark stopped the automobile beside a rocky ledge that overhung a long shallow hole in Paint Creek.

Mark and Harry pulled on hip boots and set up casting rods. I donned tennis shoes with heavy soles and assembled fly tackle.

Now this isn't any brief pro or con in that old, often argued matter, bait-casting vs. fly-fishing, so I will just tell you what we did.



Retrieving a cast from under the shadowed bank.



Casting on the Pawnee.



The writer
with
a
Rogue River
steelhead.

Dry Flies and High Water

by Kenneth A. Reid

NO, MR. BROWN is out of town and will not be in the office until sometime Monday—he left only ten minutes ago." It was not quite four o'clock on a Friday afternoon and I had just stepped out of my car after driving more than a hundred miles into West Virginia for the express purpose of seeing Mr. Brown. My mental reflections concerning the vile detour that had delayed me more than an hour were not conveyed to Mr. Brown's secretary.

A few minutes later I was walking back toward my car wondering what to do next and thinking of driving back over the abominable detour without having accomplished a thing, when my attention was attracted by a display of fishing tackle in the window of a sporting goods store. My gaze soon rested on two photographs of rainbow and brook trout of an average size that one might expect to take from a Rocky Mountain or Canadian stream. The inscription read: "From the Upper Cheat," and "From the Greenbrier, May 1927." "Just a year ago," I mused, as I stepped inside.



Ken Reid on the south branch
of the Polomoc.

The proprietor was a very obliging sort and gave me a lot of information on trout streams and how to reach them. I could drive to the Cheat in three and a half hours, and the Greenbrier was only eight miles farther, he advised. Thanking him, I stepped outside and paused again to admire the photographs.

It was a four hours' drive home, and I was in no frame of mind to buck the miserable detour a second time that

day. Besides, there was no particular reason why I should be home before Monday. In the steel trunk on the back of my car was all the tackle I would need, hip boots, hobnailed shoes—even some dried foods, blankets and a little shelter tent. The more I thought on these matters, the fewer reasons I could find for going home. My step quickened as I approached the car, and when I stepped on the starter I did not turn around, but kept going on toward the Cheat.

NEARLY ten years earlier, I had crossed this stream one October day and spent a pleasant hour walking along its banks planning to return and fish it the following spring. But that same month, fate carried me nearly fifteen hundred miles west of it and I had never been back.

According to my watch, I had barely time to reach the stream by dark, when I would either make a lone camp or drive on to the little hotel at Durbin on the Greenbrier. A heavy rain changed my plans and I stopped for the night in a town some thirty odd miles short of my goal. The rain settled down to a quiet all night affair, and I finally retired, hoping for the best, but fearing that the streams would be badly swollen.

The downpour stopped at last about five in the morning, and in another hour I was on my way, splashing through the puddles of water on the road with the Sun still hidden by a fog and low hanging clouds. When I reached the Cheat, a glance sufficed to convince me that it was too high for fishing that day, so I continued on to the Greenbrier. If anything, the West Fork was higher than the Cheat, and before daring to look at the East Fork, I stopped to enjoy a hearty breakfast.

The East Fork was unquestionably high, but in better shape than either of the other streams, so I drove upstream several miles hoping to get above at least the worst of the high water. Above the mouth of Little River, the stream looked better, but I kept on as far as the road continued.

It was now ten-thirty, so I dropped downstream only a few hundred yards around a bend to fish back to the car by lunch time. The high water had fallen somewhat and was almost clear. With a cloudless sky overhead and the water receding, I felt greatly encouraged as I sat down on a log jam at the foot of a long riffle and tied on a number ten fan wing dry fly.

A WET fly about two sizes larger would have been more appropriate under existing water conditions, but I so much prefer the floaters that I was willing to forego several possible trout to watch the dry Royal Coachman bob down toward me over the uneven surface after each cast.

My first cast was over the rather quiet water immediately above the log jam. Nothing happened, but I was not disappointed as I did not expect a rise there—I merely wanted to offer any fish that might be there an opportunity to be removed quietly, rather than dash pell mell upstream to the consternation of his brothers above, when I waded in. My eye was on a point some yards farther

Three brookies and
a rainbow from the
upper Cheat.



upstream where the current ran along the rocky left bank just below the head rapids. I covered the intervening water carefully, and just below this point, in the shoal water to the right of the main current, an eight inch rainbow came half out of the water for the fly and was speedily landed and released. I was optimistic enough to believe I would get some better trout from this stream.

WHEN my fly floated over the chosen spot, I saw a rainbow colored flash under it, but the line came back limp on the strike. Such a flash was encouraging, even though somewhat disappointing, for it was made by no small fish. After resting him for a few minutes, I cast again and again over the same spot, but to no avail.

Extending my cast about two yards above and to the right, almost on the middle of the main current, I saw another pink flash, and this time the line did not come back slack. Just what did happen in the next few moments is a bit hazy in my mind. The fly was about twenty-five feet away when I struck, and almost in the same instant a magnificent rainbow jumped more than three feet above the surface and straight toward me. In two more similar leaps he was practically at my feet, while I was frantically stripping in slack line with one hand and holding my rod high above and behind me with the other. The next thing I knew, I was gazing at my fly dangling aimlessly in the air at the end of the leader, and the rainbow was nowhere to be seen.

To calm my nerves, I sat down on the bank and filled my pipe, reflecting on the fact that very few trout that persist in jumping directly toward you, are ever landed. But the vision of these magnificent leaps remained to tantalize me and I sat long meditating upon them. When I resumed casting, I could not resist another try in the same spot, although I knew the effort would be futile.

In the next deep riffle I took a twelve inch rainbow, and between there and the car, two more of almost the same size. All three were unusually acrobatic, but fortunately none of them jumped toward me. Opposite the car I took a plump ten inch brook trout from a narrow rift between two boulders, and then stopped to build a little fire and "boil the kettle" for lunch.

In the afternoon I took several more fair size trout above this point and at four-thirty returned to the car and dropped downstream some four miles to try the bigger water for the evening fishing. I literally slid down the steep bank to the stream at the lower end of a long sweeping bend.

THREE rainbows, each about eleven inches, came to net in as many pools, and with twelve good trout in my creel, I was prompted to again take the car and drive farther down below the mouth of Little river for the last hour of fishing. The stream here began to assume the proportions of a young river, but it was also noticeably higher than above. One long pool where the current hugged a steep ledge overhung with dark hemlocks and rhododendron, looked particularly ideal, but not a fish did I rise in this part of the stream.

That night back at the little hotel while the fishing proprietor and I planned some real fishing in the main stream for the morrow, the unwelcome sound of rain greeted our ears and continued until we finally went to bed in disgust. The next morning it was still raining softly, so after swapping a few yarns around the stove after breakfast, (in this I was hopelessly out-classed by the proprietor), I started homeward.

As I topped the mountain between the Greenbrier and the Cheat, the sun broke through the clouds, and when I reached the latter stream the "Fisher-man's Special," a Ford touring car



The writer following out a cast

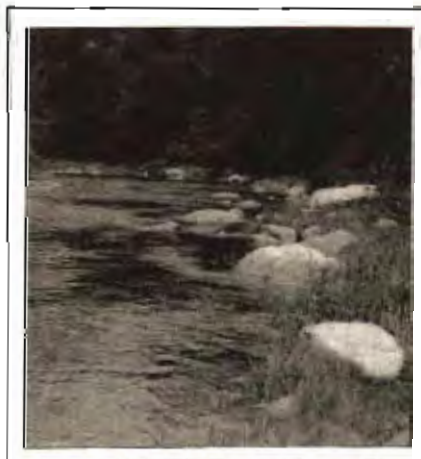
mounted on steel car wheels, was about to leave with two fishermen bound down the river over the old logging railroad tracks. A glance at the river convinced me that it had fallen slightly, and a minute later I had climbed aboard with the driver.

IHAD previously ridden everything from a burro to an aeroplane, but a Ford running on a railroad track, was a new one for me. It was the only means of transportation for many a mile, as there was no highway of any sort along the river. About four miles downstream and a mile below where my companions got off, we stopped and I set up my rod while watching the driver turn the Ford around on the tracks by means of an improvised wooden turntable that he carried on the side of the car.

The Upper Cheat is unlike any stream I know. For many miles it runs, as the natives say, "on top of the mountain," in a north northeasterly direction through a trough between two big ridges with many summits well above four thousand feet and several nearer five thousand. The river level at the crossing is something over three thousand feet, which is more than a thousand feet above either the Greenbrier, roughly paralleling it on the east or the Valley River to the west.

This altitude largely accounts for the unusual vegetation, which is more Canadian than southern. Dark stands of spruce line the river and climb to the very summits of the mountains above, and in several places are clumps of balsam fir which are isolated indeed, and do not occur to my knowledge anywhere else within several hundred miles of that latitude. Underneath the conifers are dense clumps of rhododendron, and mixed with them are many deciduous trees in which maple and birch predominate.

The water is tea colored, getting (Continued on page 50)



Some attractive water on the upper Cheat



The mountains above the low-hanging clouds en route to the Cheat river



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Lester Jeffrey, Fresno, California, who established the world's record of 3,146 consecutive bull's-eyes with Western *Lubaloy .22's* during 23 hours of continuous shooting.

Give 'Em What They Want When They Want It

Heddon Catalog 1929
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Heddon's FREE Fishing Chart Tells HOW!

You'll catch more fish if you "give 'em what they want when they want it." Handy chart for your tackle box; tells just what bait to use on a dark day in a weedy lake, or on a bright sunny day in deep water. What to use in late summer when big ones lie in the deep holes. Get the benefit of all that the most successful fishermen have learned about fish habits. Chart is for all kinds of fresh water game-fish—Bass, Pike, Pickerel, Muskies, Lake Trout, etc. Send for Free copy and Heddon's 1929 Catalog today.

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Write for the 1929 Heddon Catalog and Free Fishing Chart. (24)

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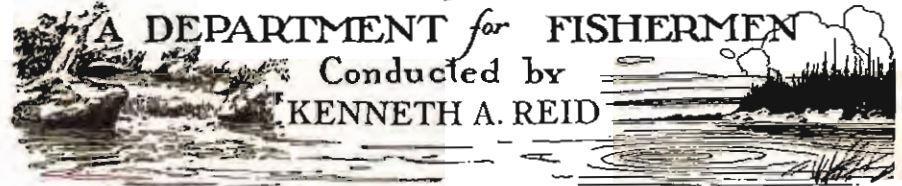
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POOLS and RIPPLES



A DEPARTMENT for FISHERMEN
 Conducted by
KENNETH A. REID

Opening Day

BY KENNETH A. REID

"THANK goodness, it won't be long now!" Any ardent trout fisherman knows the meaning of that rather hackneyed expression when uttered about this time of year. The chances are that he has been glancing restlessly at the calendar, and perhaps even counting the weeks and days until the momentous day—the opening of trout season. If the tackle has not already been gone over, it is high time to do so.

Officially, opening day is neither a state nor a national holiday, but with trout enthusiasts it is the one red letter day on the calendar, eclipsing the Fourth of July, Christmas, and all other legal holidays. Following the cold and snows of winter and coming at a time when the trees, shrubs, and other green things are just beginning to awaken after their long winter's sleep, it symbolizes for most of us the beginning of a new year in the out of doors. The actual date varies in the different states from around the first of April to the first of June, depending on the latitude and climate, and consequently the weather encountered on opening day is apt to be very much the same, whether it be April first or June first.

In my home state, the season opens on April fifteenth, and it so happens that I was born on April fourteenth—just in time. As a matter of fact, my third birthday was not long past before I happened to catch my first trout, and the memory of its capture, with my mother hurrying to my aid and pulling it out, is my earliest recollection in life. This brook trout measured thirteen and one-half inches,—and I might add that a number of years elapsed before I caught another of like size.

ALL through my boyhood, the opening of trout season was the one day that was marked on the calendar months ahead of time, and my birthday presents were always items of fishing tackle. The night of April fourteenth generally found me huddled close to a fire on the bank of some trout stream waiting for the first ray of dawn, regardless of weather or water conditions. With me it was almost like a re-

ligious rite to be performed on that day whether it rained, snowed, or the sun shone.

I still count the days and look forward to opening day with the same old sentiment, but looking the cold facts in the face, and they are often literally cold, it is generally a very poor day for real fishing enjoyment. In the first place, there are a great many more fishermen than there used to be, and most of them seem to think that they just have to be out on opening day, with the result that it is a problem in some states to find a stream that is not overcrowded with other fishermen. On one famous and heavily stocked stream in central Pennsylvania, I am told it is the custom for fishermen to employ boys to sit on rocks along the stream the night before opening day to hold down these particular spots until dawn for their employers.

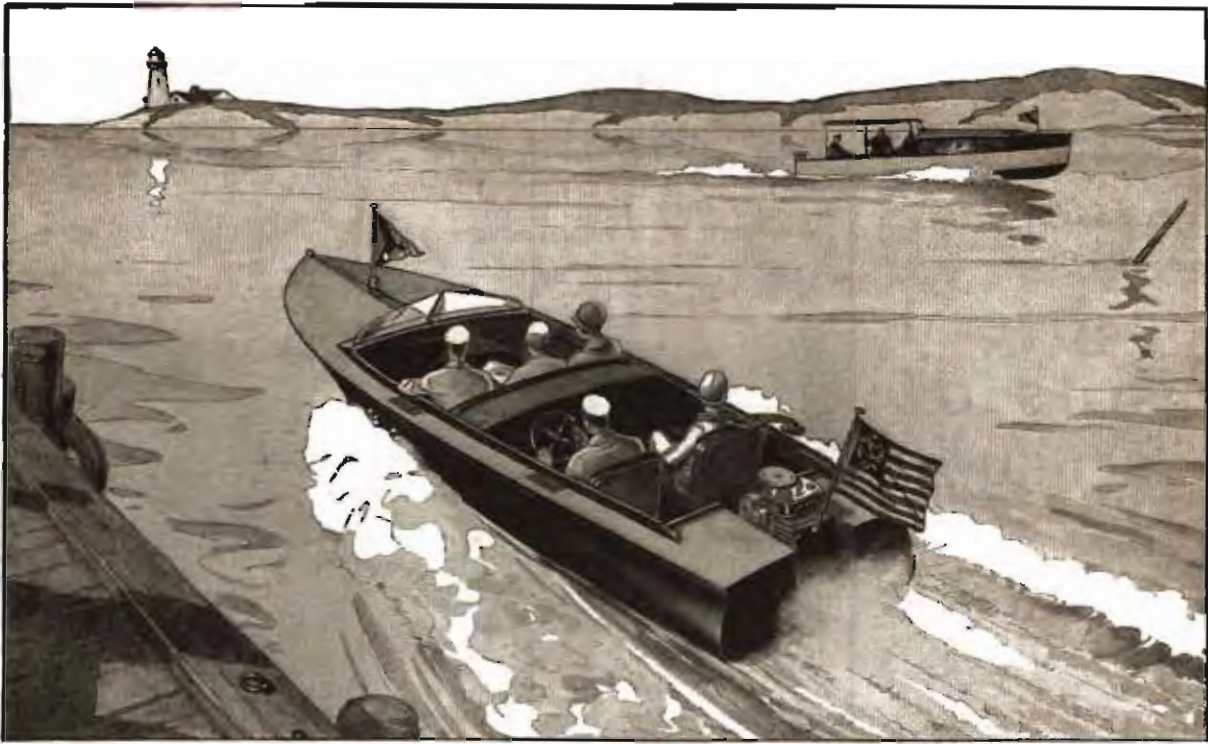
BUT entirely aside from this feature, opening day is a very uncertain proposition. The chances are good that the waters will be high and perhaps discolored, and they are also good for a cold rain or snow—none of which contribute to good fishing or my enjoyment of a fishing trip. Occasionally I have taken some nice trout on a fly, but more often bait is the only successful lure on opening day. In spite of all this, I will probably be attaching my flies in the uncertain dawn of April fifteenth, 1929, or possibly on April first, when the season opens in an adjoining state.



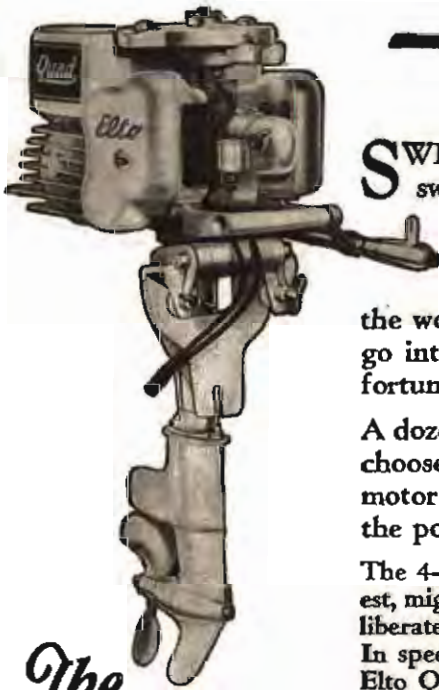
"Johnnie," one of Ken Reid's fishing partners. Note the high water on opening day.

The uncertainties of the weather at this time of year make warm clothing advisable. If you have a water-proof hunting coat, wear it, and wear a wool shirt or sweater under it. Hobnailed waders, or hip rubber boots are desirable, for streams are almost sure to be icy cold at this time. And don't forget your matches, even if you don't smoke, for a little fire along the stream may feel mighty comfortable.

Under the average opening day conditions—namely high cold water—the trout will not be as active as later in the season, either in feeding or in putting up a creditable fight after being hooked. The riffles are generally unproductive at this time, as



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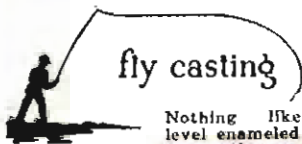
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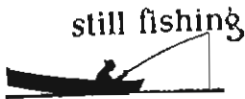
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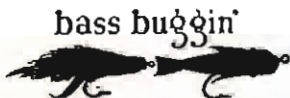
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the trout are in the deeper quiet water. Look for them in the holes, and in eddies behind rocks. In the late fall after spawning, many large brook trout work downstream into deeper water for the winter, where they will be found in the early spring. On the other hand, the lower courses of the larger streams are apt to be so high that they are in no shape for fishing, and in that event there is nothing to do but fish the upper reaches or side streams.

In the eastern states, fly fishing is not generally practiced before the middle of May, and many are of the opinion that trout will not take a fly until that time. It is true that the artificial fly is rather uncertain before then, but the real fly enthusiast, who is willing to sacrifice a few possible fish to use his flies in preference to bait, will have many an enjoyable day before the middle of May.

If the water be clear and not too high, the wet fly, properly fished, may be just as effective as bait in the early season. Personally, I believe the difference between the wet fly and the worm, fished in fast water, is no more marked than between the wet fly and the dry fly, correctly handled. Both the wet fly and the worm are sunken lures, and neither is a good imitation of a natural fly on the water, while the dry variety is. The wet fly, as frequently fished, by allowing it to sink and then jerking it erratically through the water, is more closely related to spinning than true fly fishing; that is, simulating the natural insect on the surface by employing the dry or floating fly.

I do not mean to malign the wet fly in comparison with the floating variety, although my personal preference in using the latter is very decided. Each has its proper place, and for early spring fishing, the sunken fly is undoubtedly preferable. Nor do I mean to give the impression that the wet fly will take fish whenever they will take bait, but rather that it will take them more often than is generally believed. In a discussion of fishing, very few statements can be made that are not notable for their exceptions, so my remarks must necessarily be based on averages rather than extreme cases.

The impression that trout will not take an artificial fly when there are no natural flies in evidence, is erroneous. I have taken many fine creels of trout on the wet fly when there was not a single natural fly to be seen on the water or in the air, and when there were no apparent rises from fish to anything except my own flies.

Many wet fly fishermen advocate fishing down stream, casting their flies down or across the current and dragging or jerking them upstream toward them before retrieving for the next cast. My early experiences at fly fishing were along this line, as it was then the accepted method, and it was quite by accident that I commenced fishing the sunken fly upstream. This method of casting up and across the current and allowing the fly to drift naturally until the line drag draws it around below you in an arc before retrieving, proved to be much more effective under most conditions.

If the trout are sluggish and lying in the deep water and quiet eddies, let your fly sink considerably and then draw it toward you under the water by gentle twitches of the rod tip. If this fails try a steady drag instead of the intermittent one. Sometimes they can be induced to strike by slowly playing out line below you while the fly is carried far downstream by the current, before reeling it back up the current for another cast. A small split shot attached to the leader just above the snell to aid in sinking the fly is sometimes effective as a last resort. When so fished, it more nearly approaches the spinner than in any other method, and even the slight weight of one

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All hair, in standard fly patterns. Trout sizes, Doz. \$2.75; Bass, \$4.20.



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Most satisfactory made. No kinks. Dressed through and through, highest quality. Brown, 100 ft.



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- E - 4.00
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Expert design. Standard sizes and patterns. Dozen \$2.00.



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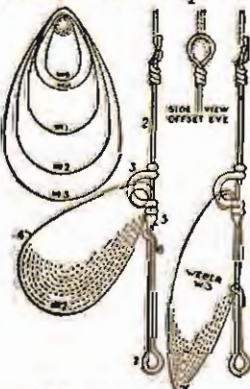


Fan Wing Dry

Delicate 2-Tone wing shades. Natural forms. Sizes 6-8-10. 25¢. Dozen, \$3.00.



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No. W 3 Willow Leaf Asst. one each of above on card \$2.00

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Whiskerbug Weedless

(with or without) Spinner

In a class by itself. Never been beaten for big fish of all species. Deer tail, in striped pattern. A weedless wonder usable anywhere - and they can't let it alone.



12 patterns. Sizes 4, 2, 1/10. Plain 60¢. Doz. \$7.20. With non-fouling spinner; each 75¢. Doz. \$9.

Weber's Lifelike Dry

(All Patterns)

Highest expert work; perfect to nature; best action. Hollow point hook; down-turned eye. Dozen, \$2.75.



Bass Flies

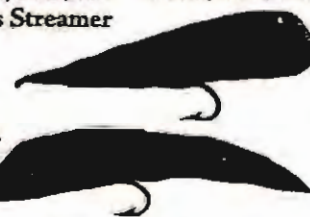


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Permasheen, Doz. \$2.40 Kleerwill, Doz. \$3.00 St. Croix, Doz. \$4.50 Walton, Doz. \$6.00

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Hair and Feather Patterns Each, 50¢



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Super value. All sizes. Half dozen in round carrying box with moisture - Level: Trout, 6 ft., \$2.25; Bass, 4 1/2 ft., \$2.25; Salmon, 9 ft., \$7.50. Dry Fly Tapered: 7 1/2 ft., \$3.50 per box. All other sizes and weights proportionately priced.



Lifelike "Drake" Flies



Exceptionally perfect imitations in true-to-nature colors of gray, brown, green or black drakes - both live and dead stages. Sizes 6, 8, 10.

Aklebug

Luscious insect tid-bit. Sure luring and hooking. Casts, alights and lifts like down, 12 patterns. Trout sizes 4 to 10, 60¢. Bass sizes, 65¢.



True "Henshall" Fly Lure

Made and acts like a fuzzy bug. Drops like down; picks up without strain. No hard body to interfere with hooking. Inspired and recommended by Dr. Henshall, renowned fish authority. 12 patterns. Trout sizes, 4, 6, 8 and 10 at 65¢ each; bass sizes, 2, 1/0, 3/0, each 75¢.



Dri-A-Fli-Or-Line

Handiest little gadget ever in your kit, 2 x 3 in. leather book, prepared leaves. Dries and dry-compounds fly; dresses line with deer fat at a finger pinch. \$1.00.



Weber's Deer Fat Line Dressing Book

Genuine deer fat saturated in felt pages of leather covered book. Floats line. Indispensable for dry fly - fine for bait casting. Preserves line, prevents picking up of water. The slickest little gadget ever tucked in your kit. 50¢.



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(Comb. Wet or Dry Cocked Wing) Artfully made for all-around success. All standard patterns. Dozen, \$1.75.



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A lifelike fooler for Rainbow, Browns, Bass, Croppies. 6 Nature colors in leather and bucktail. No. 2 book, 75¢.



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Strictly American - has a killing record. 6 assorted patterns on card. Single hook, \$3.60 card. Double hook, \$4.50 card.

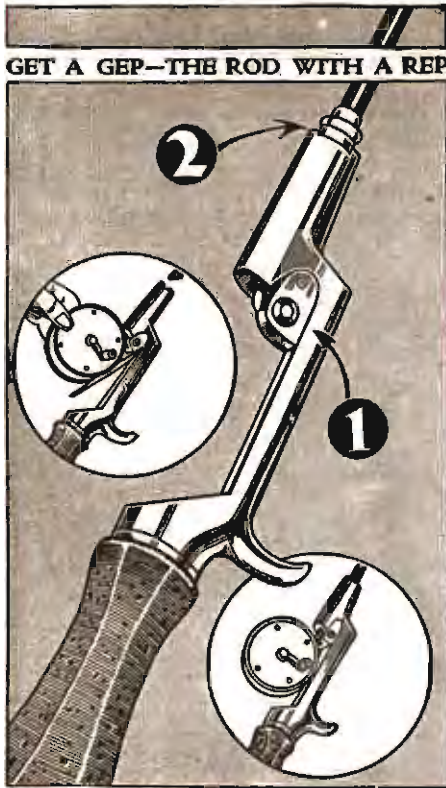


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split shot unfavorably affects casting with a light fly rod. Flies in size eight and larger will generally prove more effective under these conditions than the smaller sizes.

If all of the above methods with the wet fly fail, try a small spinner with fly attached, and fish it as described above in the latter method. Sometimes this lure will take trout when flies fail, but more often the lowly angle worm is apt to save the day, for the failure of the fly is most likely due to high and discolored water. Then the angle worm or small minnow is supreme.

Many confirmed bait fishermen use the worm without sinker of any sort when the water is at normal or below normal stage, but under these conditions the fly should be equally, if not more effective, so we will consider bait fishing only as employed in water that is too high or discolored for the fly. Obviously, the trout are not feeding on or near the surface, or they would have taken the fly if properly presented. Very likely they are lying near the bottom, lazily taking in the abundant bottom feed brought down by the high waters, or if the water is unusually high, they will be seeking shelter in the protected eddies near the bank. In either case, the bait must be fished near the bottom to get their attention, and under the water conditions described, it will not go to the bottom of its own accord. From one to three split shot, depending on the swiftness and depth of the stream, are generally sufficient to sink the bait. Attach them just above the end leader loop rather than to the snell of the hook.

The customary practice with bait is to fish downstream. When the water is high and at least slightly discolored, the danger attending this method, of alarming trout below you, is materially reduced. Another factor worth considering in this method where the bait is travelling along with the current on or near the bottom, is that you are much less likely to snag an underwater obstruction when the bait is worked down with the current and retrieved through practically the same avenue of travel.

Small minnows, either live or of the pickled variety, make very killing bait for large trout on the medium and large size streams. A live minnow will not remain alive for very long when tossed about in the currents of most of our boisterous trout streams, so it hardly seems worth while to bother with live ones unless fishing unusually quiet deep water. As a matter of fact, the pickled variety seems quite as attractive to the fast water trout and is infinitely easier to carry on the stream.

In most states, the legal size limit on trout is six inches. A six inch trout is a very small representative of his tribe and even on the lightest tackle is hardly capable of giving the fisherman a real thrill in his capture, or pride in his taking home. Yet in many of the brooks and small streams of the eastern states one often gets as many or more strikes from trout under this size as over. When using a small hook, such as number six or eight, a large percentage of these undersize fish will be landed, necessitating releasing them.

In fly fishing, it is very seldom that a trout is hooked deeper than in the bony structure of the mouth or in the tongue, and if proper care is taken in releasing them by wetting the hand before touching the fish, or better yet by running the hand down the line and releasing the fish under water, very few of them are any the worse for the encounter. In my own experience, five per cent would be a high average for the mortality of released trout. On a small private stream near my home, I caught and released the same trout four times in ten



A Swift, Lightweight Casting Reel

HERE is the Martin Fly-Wate—an automatic reel so light, so swift, yet so responsive to the touch, that it is ideal for bait and fly casting. Gives a perfect balance to fly rods. Made in three sizes. Prices \$8, \$10 and \$12.

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days, and he was just as active and healthy the last time as the first.

In bait fishing, unfortunately, many trout are hooked deep in the head, in the gills or still deeper in the throat, with a correspondingly higher mortality for released fish. Off hand, I would say that the percentage of injured fish is not far from the twenty mark with careful handling, and doubtless much higher with the careless and inconsiderate handling often accorded these little fellows.

This largely preventable waste of immature fish that might otherwise live and grow to furnish improved sport in our heavily fished streams, merits serious consideration from every trout fisherman. The use of the barbless hook would help a great deal, but the surest way is to use a hook, whether barbed or barbless, too large for the little fellows to get into their mouths. A number one or number two hook will accomplish this purpose, and it will give you an added factor of safety in landing the really worth while trout. Another suggestion that I am aware will meet with about as much approval in some quarters as a rattlesnake at a picnic, is to stay off the headwaters and small side streams where undersize trout predominate—unless extremely high water forces you there, or home.

As I sit here writing before the log fire, I can see in the embers another log fire under the hemlocks and birches beside a secluded trout stream I know. One other fool and I will be stretched out in front of that fire waiting for the dawn of opening day,—and may the gods of Rain, Wind and Cold be holding a convention in some far off land where there are no trout streams.

LABRADOR LURES ME BACK

(Continued from page 18)

roused quickly by horrid dream spectres peopling the circle of darkness. I arose and threw on more wood, and as the blaze flared up, crawled upon hands and knees to peer anxiously into Hubbard's face and listen for his breathing, to assure myself that he was still with us. And so the night passed until gray, somber dawn broke with drizzling rain and trees dripping with moisture. George came out of his blankets and went to the river for a kettle of water. Hubbard sat up and greeted me, rose to his feet and went out to look about. At once he returned, tottering woefully, and sat down upon those boughs. Before George and I left him, he asked me to read to him the XIV. of John and XIII. of First Corinthians. Then the parting, when George and I set out in desperate hope of finding food and rescue, followed by days upon days of vain effort in driving snow.

I called the Judge and Gilbert. They joined me and we stood for a moment with uncovered heads in honor of the heroic, noble spirit of my comrade and partner of the trail who had here passed from earth.

"I never were tellin' you," said Gilbert as we stood there, "that George were sayin' when he gets to our house at Grand Lake that 'twere no use for us to hurry, because both of you were dead before then."

We pitched our tent a hundred yards below the rock. Gilbert wished to camp even farther away, confessing that he was afraid of "ha'nts." No Indian or native, he assured us, had ever been near the place since Hubbard's remains were removed during the winter of his death.

The Judge and I with hammer and chisel tried to face the rock upon the side on which the tent had stood, but it proved too great an undertaking, and as the opposite

IT'S THE LURE THAT GETS THE FISH



Think of the thrill Frank E. Anderson, Oak Park, Illinois, had when he caught this water-whippin', rod-bendin' Great Northern Pike in Teal Lake on the Famous Pikie Minnow, No. 700! It's THE LURE that gets "The Fish."

Regardless of the kind of kit, rod and reel you use—after all is said and done—it's up to that comparatively small, innocent looking lure—out on the end of your line—to "GET THE FISH"!

And it's the lure that's made to look, act, wiggle and swim exactly like the natural, living minnow, frog, crawdad, mouse and other water animals—that tempts, tantalizes and teases 'em to strike—and the kind that gets not only MORE—but BIGGER FISH! That's the reason Creek Chub True-To-Nature Lures are guaranteed to "Catch More Fish."

And—another fact worth knowing—more fishermen buy Creek Chub True-To-Nature Lures than any other baits made today!

The Original Injured Minnow



Weight, 3/4 oz. Length, 8 1/2 in. No. 1505 Price, \$1.00

With slow short jerks this "Bass Getting" wonder represents an injured minnow—lying on its side—just able to make a little fuss on the surface—right up where you get all the fun—where you can see, hear and feel each strike! No other lure like it! Also made in "Silver Flash" finish No. 1518, and new luminous day and night finish No. 1521!

The New Wigl-y-Rind



Nickel Finish Series No. S10 Weight 3/4 oz. Price 85c

The newest development in the ever popular pork rind lure and beyond doubt the most attractive lure of this kind on the market. The body of the lure is weighted brass shell, highly nickeled and polished. Uses any standard pork rind. Single and double hooks interchangeable, making two lures for the price of one. Single hook is rigid and of conventional type, is easily removed and loose double hooks substituted. Can also use standard buck-tail or streamer fly. Big slow motion spinner gives the rind a natural swimming motion, helps prevent fouling in the weeds. A guaranteed killer.

The Famous Pikie Minnow



Weight, 3/4 oz. Length, 4 1/2 in. No. 700 Price, \$1.00

The greatest of all lures—for salt water or fresh! Recognized everywhere as the most deadly killer of all game fish! Even the large old educated fish can't tell it from a live minnow! And boy it gets 'em in nobody's business! Also made in "Silver Flash" finish No. 718!

The New Lucky Mouse



Length 2 1/2 inches Series No. 3600 Weight 3/4 oz. Price \$1.00

Positively the most life-like imitation of a swimming mouse ever produced; in size, appearance and action; strictly a top-water lure. Slow reeling gives it every appearance of a mouse and when retrieved at a moderately fast speed, produces a churning effect in the water due to a vacuum or spray being produced by water striking the ears. By elevating the rod tip and twitching the lure along, it gives the effect of a small mouse frantically struggling to rise from the surface. A most wonderful bait for bass. A very popular bait for night fishing. Guaranteed a Killer.

Jointed Pikie Minnow



Weight, 3/4 oz. Length, 4 1/2 in. No. 2800 Price \$1.25

A real running mate to the Famous Pikie Minnow! With fast swimming, life-like movement—a superior lure for Bass, Pike and Muskie! With Silver Flash Finish it closely resembles a silver side minnow—very flashy and attractive in dark or cloudy water!

FLY-ROD MOUSE

The little brother of our Lucky Mouse—just right for fly rod fishing for bass and large trout. Very light and "lifts" easily, not hard on the rod. Comes in three finishes. F200—Natural Mouse Gray F202—Natural White Mouse F213—All Black Price 75c One in a box



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Hook No. 4—10c
Actual size. (Showing use with grass hoppers)



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"The Little Devil"
2-1/2" long,
#3 or. Price 50c



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Choice of Eight Detachable fins — with hook guard, each 50c



Illustration. 2 1/2 actual size. Shows eye attached.

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Soon the big fellows will be biting. They haven't changed their habits since last year, and you can depend on them going for Dardevle. Nearly a million anglers can't be wrong in choosing this universal lure. Be sure you have the right assortment in your tackle kit when the season opens.

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Where ever you choose to fish this year—you'll find the game ones all go for Dardevle and the Dardevle Family. Every fish with a fighting instinct—Northern Pike, Pickerel, Muskies, Bass, or Trout can't leave "the old boy" alone. You'll never believe what this lure will do until you've put one on your line.



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side offered a good surface for the inscription we scoured the rock on that side clean of moss. Utilizing a tube of white lead, intended for canoe repairs, we mixed it with melted bacon fat in the frying pan to produce a liquid paint. The Judge cut a lock of Gilbert's coarse black hair, tied it to a stick with a piece of fish line, trimmed it to a point, and had an excellent lettering brush, and keeping the paint liquid over a small fire, he lettered this inscription upon the rock:

LEONIDAS HUBBARD, JR.,
INTREPID EXPLORER
AND
PRACTICAL CHRISTIAN
DIED HERE
OCTOBER 18, 1903.
Wither I go ye know
and the way ye know,
John xiv.-4.

I went to work with chisel and hammer, cutting the inscription into the stone. It was a slow and tedious undertaking for a novice, and though I was up and at it at a little after five o'clock the next morning, twilight was falling when I finished. Then, as protection against weather, the Judge filled the letters with white lead.

WE WERE to hold a service at the rock that night. When the Judge and I had finished our work, and had joined Gilbert at our camp fire in a belated supper of fried trout and hot bannocks and tea it was half-past eleven o'clock. When we had finished, we three filed back up the trail, and by the light of two candles set upon the rock, using the same testament from which I had read to Hubbard on the morning of our parting, I read aloud the XIV. of John and the XIII. of First Corinthians. The Judge followed me with the 143 Psalm, and then, standing together, we sang "Nearer My God to Thee," "Shall We Gather at the River," and "Lead Kindly Light," selections of the Judge, Gilbert and myself in the order given. Finally, the singing finished, we three knelt, uncovered, in silent prayer by the side of the withered boughs where Hubbard lay when he died.

We felt that Hubbard was with us. We were all deeply impressed, as in silence we turned back to the tent. When we were in our blankets the Judge said, in a voice of subdued reverence:

"That little service by the rock tonight has paid me well for all the hard work we had in getting here." Many times, in the years that have passed since then, he has repeated that declaration. Gilbert expressed himself in similar manner. Often, as the years multiply, have I lived over again that midnight hour, always with an exultant spirit, for deeply impressed upon my mind was a sense of having been in actual communication with my beloved partner of the trail.

While Gilbert prepared breakfast, the Judge cut a pennant shaped piece from a square of white oilcloth in which he carried his camera, and with charcoal from the fire lettered upon this the word "Michigan." This improvised pennant and a little silk flag were draped above the inscription upon the rock, as substitutes for the pennant and flag we had lost with the tablet in the rapids.

At the base of the rock, below the inscription, we cached our hammer, three steel drills and a cold chisel, and with a last look over the ground shouldered our packs and set out upon our return to the cache on the Beaver. Taking a more direct route than that by which we had come, we reached the cache the following day in mid-afternoon, and at once launched our canoe, not to halt until in late evening we pitched our tent in our former camping

place in the amphitheatre. It was a night of marvelous beauty—such a night as one can find nowhere but in Labrador. The air was crisp and sweet with the perfume of conifers, the sky was lighted with the aurora borealis, the mosquitos were asleep, and we sat late smoking our pipes and talking of our experiences.

When morning came ice was on our tea pail, and the ground white and stiff with frost, and while we breakfasted the sun rose upon a clear sky and sparkling world. It was a morning to fill one with the joy of life. We descended the white rapids of the steep slopes with safety, mile after mile of river bank shooting past us until afternoon, when we approached Roger Newell Falls. Here we portaged our outfit to a point below the rapid where we had lost the tablet.

IN A BAD stretch of water not far below Charles Riley River, we were easing the canoe down with a tracking line, when without warning the line broke, and in an instant the canoe was adrift in white water. A moment later, to our consternation, it struck broadside against a high boulder, the timbers splintered like matches, and the canoe wrapped itself around the boulder like a rag. Luckily the boulder was near shore and within reach, and we succeeded in salvaging the greater part of the cargo, which was lashed securely to the wreckage.

By crossing the river and cutting out its big swing, we were forty miles by direct route from Grand Lake, and there was nothing to do but make the journey afoot with packs. The remainder of the afternoon was devoted to drying outfit and preparing a cache.

Not far from the scene of the wreck, the river split into two branches, the wider and deeper about fifty yards in breadth. Here for a little distance the rapid was so mild that we believed we could make the crossing. Early the next morning we set out with light packs, including blankets, tent, instruments and records, one rifle and one shotgun with ammunition, an ax and six days' rations, as well as our small personal belongings. At the fording place we removed our trousers and lashed them upon the packs, that the pull of water might be reduced upon our legs. The Judge fastened one end of our tracking line to his belt as a life line, Gilbert fastened the middle of it to his belt, and I the other end to mine, and we entered the water, the Judge ahead. Thus if one should be swept from his feet the other might hope to brace and hold him, and indeed at one point the line saved Gilbert from a possible trip into heavy water. We found it unsafe to lift our feet from the bottom, but by shoving them along, inch by inch, finally reached the opposite bank in safety, after twenty minutes in the water.

All that day we kept up a steady gait, stopping but once to boil the kettle, until eight o'clock in the evening, and at seven in the morning were pounding out the miles again until half past one, when we reached the Beaver again near Porcupine Hill. I shall never forget that hike while I live—over naked ridges, through fallen timber or thick brush, and across marshes knee-deep in mire, with swarms of flies and mosquitos always about our heads, and the pack growing no lighter. I never saw the flies worse than in those two days.

THE river, broad and placid here, did not smile at us now. It grinned at us derisively, its victims. We built a raft for our packs and Poppy, piled our clothes on top, and swam across with it, and in a little while reached the cabin. Within, free from flies, we threw ourselves upon the floor to rest before eating.

New! The Reel with "THE MECHANICAL THUMB"



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LIKE YOUR THUMB DOES HERE

A "Watch-Built" Quality Reel at only

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"Chief Dowagiac" Collier, famous Bait Caster, for whom this Reel was named and whose expert demonstrations have been witnessed by thousands at national exhibitions.

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Goodbye "Back-lash Snarls" and "burnt" thumbs. Put this new Heddon Reel on your rod—turn the adjusting knob to get the line play you want, and to suit the weight of your bait—then throw her out. This "Mechanical Thumb" puts just enough tension on the line to prevent back-lash. It relieves you of the necessity of constant thumb-braking on the spool. If you want to troll, just give the adjusting knob a three-quarter turn and you lock your line so it won't pay out. This remarkable feature is yours without extra cost in the New Heddon No. 4—a smooth, silent-running quality reel of watch-like precision with genuine agate-jeweled pivot-bearings—removable and adjustable. Reel can be oiled without taking apart.



(16)

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Division of The General Industries Co.
Elyria, Ohio

"I was all in before we reached the river, and ready to quit for the day," breathed the Judge, "but I saw you going strong, Wallace, and I was ashamed to lay down on the job."

"If you'd peeped one word, Judge," said I, "I'd have dropped in my tracks. For an hour before we reached the river I didn't see how I could make my legs move, but I did because I didn't want to be a quitter."

"I was scragged back there, too," admitted Gilbert. "I were thinkin' about askin' you fellers to camp, but I says-to myself, 'I belongs to the country, and while them fellers keeps goin' I'll try to keep goin' too.'"

That evening in an old rotten one man boat, abandoned two years before by an old trapper who was now dead, and so leaky that one man had to bail constantly to keep afloat, we made the passage to the mouth of the Nascaupe River where Gilbert had a canoe cached, and two days later paddled to the beach in front of the French Post at Northwest River.

Our adventurous voyage was at an end. We had done the thing we had set out to do. An enduring memorial to the bravery of Hubbard had been erected in the wilderness he loved, and at the point where his life was sacrificed.

Now we were to part, the Judge to return home, Gilbert to make ready for long months of trapping in the lonely wilderness, and I to set forth to further adventures and experiences on the coast to the northward.

JUST FOOLIN' AROUND
(Continued from page 19)

to the automobile at noon we picked paw paws in the timber. I found five on one stem, which I broke off and brought in with me.

Lunch in the shade, while the blue jays chattered, the crows cawed and the Bobwhites whistled contentedly off in the distance, was unalloyed pleasure.

After lunch we lounged about an hour or so, resting, talking, sleeping and taking pictures before we loaded up and headed for the Pawnee.

The first hole we visited on the Pawnee was heavily shaded with a clutter of rocks along one side and a snarl of tree roots on the other. Harry chose the rooty bank, I waded toward the rocks and Mark started for the next hole below.

The bottom of the creek was a mass of boulders and the wading was awful. Harry caught an eight incher from the roots, gave it up as too much work and followed Mark.

I gingerly felt my way over the boulders, fishing down my rocky bank toward a fishy looking spot between a big sycamore and a boulder. Half-way to my objective a fish took my fly but escaped almost instantly. Encouraged by a streak that came my way as though the fish had doubled back after my bait, I cast where I had had the strike. I caught a 13 ounce small-mouth.

Announcing my catch to the boys by a whoop I fished slowly along, all by myself without a care in the world. Within easy reach of the pocket between boulder and tree I paused to inspect my tackle. I was attracted to a bird that fluttered and scrambled along a rocky ledge. It proved to be a bee martin pursuing a grasshopper and to judge from rattle of the stones the chase was a lively one. At the edge of the ledge the hopper flew. The martin darted after it. The martin missed and the hopper splattered into the water, a foot from the boulder I had been stalking. The martin

Here's Al's latest!



The Dixie Wiggler

\$1.00

(As used with AL. Foss Bucktail Streamer, with or without pork rind)

IN twelve years in the tackle business, the word today goes, that "Al. Foss has never yet sprung a 'dud'!"

That's some record! And one that I'm proud of—and will go the absolute limit to maintain.

And now that I've won a sort of reputation, I'm not going to be crazy enough to bring out any lure that I don't know is right.

The Dixie is Right!

I know the Dixie is a fish-getter, because I've tried it out myself—and my many friends have given it a thorough work-out—in all kinds of waters and weathers.

Anglers know fish are usually in the weeds and other inaccessible places. So-called "weedless" lures usually have wire guards

to ward off the weeds—and the fish get warded off, too!

In the Dixie, there's a spinner that cuts through the weeds, clearing a passage for the hook—and leaving it free to hook the fish.

The Dixie casts right to the spot like a bullet! All brass, nickel plated, or natural finish if ordered. No. 13—weight 3/8 oz., 3/0 hook; larger or smaller hooks on request. Hook detachable, Red Bucktail standard equipment. Can be had in white, yellow, orange, brown and black.

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swung back and dipped down after its prey. But the martin was too slow. There was a "smack," a swirl and the martin and I were looking only at several rapidly receding circles in the water.

I didn't look long, just long enough to run out my line by a false cast or two before I sent it out to land with a tiny splash beside the boulder.

It is idle to attempt to describe the suspense and the keen anticipation of such moments. It is idle to try to tell of the thrill one has when a ridge in the water rushes upon his lure and a tug announces the hooking of a fish.

I believe now that the grasshopper loving bass I met in that pocket between the boulder and the tree that day had been hooked before. Wasting no time to rear blindly, as bass so often do, it immediately leaped into the air, mouth extended, quiver from end to end.

I delighted in this strategy as I recognized a 2 1/2 pound small-mouth, glad that the spring of my automatic reel had been tight and that no slack had been lost.

Landing that bass in that deep, steep banded pocket was no simple matter and I did it finally after a battle that wet me to my chin, by reaching up to my shoulder into a cavity in which the fish had holed up and from which I could not dislodge it with my line, lifting it out with a finger in its gills.

Down where a fifty ton boulder slanted into the water I saw Mark reel in a splashing two pound large-mouth from a jumble of rocks and watched Harry take two of the same species, only a trifle smaller in two casts from a tree top in the water along his bank.

Wading in I had a perch strike but lost it when I slipped on the slimy slope of the immense boulder and suddenly sat down in water that chilled me to the core.

When he had recovered from laughing at me Mark was for heading toward home. Harry seconded the motion even while he took and released a small-mouth too small to keep.

I begged with chattering teeth for a few minutes in the sun and ran down the bank past Mark toward some sawed off stumps with a litter of brush beyond.

There, while the others sat and looked on I caught a pound and a half line-side, a 14 ounce line-side and a ten inch black-perch fishing fifty feet of water from the bank with that home-made fly.

In no hurry we went back to the automobile, changed clothing and started home.

We arrived to sleep better, I'm sure, and to do more and abler work in the nights and days that followed because we had been out of doors "just fooling around."



NEW AT THE BUSINESS

"Thet reporter feller's new at the business, ain't he?"

"Reckon yes—he wrote up a fishin' trip without sayin' anythin' 'bout the 'wiley trout' and filled a column 'bout a huntin' trip without sayin' 'the elusive deer' or 'the hunter's trusty rifle.' He can't be much of a reporter."



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Inverted Bass Flies. No. 1-0 Ringed Barbless Hook, no snell. Highest quality. 14 patterns. 40c each or \$4.80 per dozen.

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(Made Under J. P. Shannon Patents)
Greatest of all casting or trolling baits. Weedless, but a sure fish getter. If you haven't tried it, get in line and be a lucky fisherman. Also for salt water fishing. Made with red, yellow, white or black leather fly—and natural, frog color, red, yellow, white, red and white or black Bucktail fly and Grey Squirrel tail. Price each, 90c

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A wonderful, new and effective super weedless bait for bass, pike, pickerel, or any game fish. A tailstrip, equal to pork rind, is already attached—can be removed from hook for deep water fishing. Dressed in red, white, yellow or black feather fly, or new lesswind-catching hair fly in same colors or combination of colors. Price each 90c. If your dealer cannot supply you, send direct. Handsome new catalog of Shannon lures mailed on request.

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C-60 1-2



Thru the Wood with a Compass of Course

STEPPING STONES TO TROUT
(Continued from page 13)

always takes trout better than one that is new and perfect lookin'."

I had got over my bashfulness by this time and was thoroughly enjoying my first lesson on the use of the wet fly.

"There; we're all ready now. Stand by that rock there," pointing to a spot some twenty-five feet below the tail of the rifle, "an' cast well up above that first rock, where the current swirls 'round on either side: about six feet above it. That's right. Just let the flies act naturally. That caddis is weighted just enough to cause it to sink at the right speed an' it will reach bottom just about where the water has formed a hole at the side of the rock. Keep strippin' the line in, just about as fast as the flies are movin' and WATCH THAT ROYAL COACHMAN. That's what I put it on for, to act as a sort of indicator or signal to tell you when you've got a strike."

I managed to carry out his instructions in a very creditable manner. I marveled at the clearness with which I could see the white wings of the royal as it floated towards me. Then I saw it make a peculiar, erratic movement and at the same time was conscious of my tutor's cry of "STRIKE!" By the time I awoke to the situation the opportunity was lost. I never even pricked the striking trout.

"That's one thing it's hard to get the knack of," said my friend. "Some fellows never seem to really get the hang of it. It's a hard thing to explain, at best, but if you will keep a fairly taut line at all times an' strike the instant you see the royal act the least bit unnatural, you ought to connect with some of the strikes. Sometimes too, you will be vaguely aware of a flash in the water. The chances are that you will lay it to imagination or to the reflection of some object on land; most folks do, but usually what you see is the flash of a trout who is taking your fly. A very good rule to follow is: strike at anything that seems the least bit out of ordinary, whether you feel that it is a fish or not. If you do that you are bound to get results and after a time you will be able to distinguish strikes that the ordinary angler is never aware of."

"Speaking of this reminds me of an angler who was here last week. He was an excellent caster, could handle a dry fly to perfection and was really an expert in his own line of fishing. But, HE COULDN'T GET A FISH OUT OF THIS STREAM. He simply could not tell when he had a strike an' kept waitin' for the rise, as it were. Believe me boy, if you want to be a good all around angler, never get so infernally good at one branch of the sport that you cannot absorb an' master a new method."

I missed four strikes after this and then I began to hook an occasional trout. By the time evening arrived I had become quite proficient at the art of bottom wet fly fishing and was quite proud of my ability as well as grateful to my teacher.

It is amusing how success will go to one's head. I now thought myself invincible at the art of trout fishing, having as I thought mastered both bait and wet fly fishing, and I began to look for new fields, or rather streams, of endeavor. I found one speedily, one that quickly reduced my swelled head.

Not far from my home was a spring brook which was considered passé by the middle of June. I had spoken of this to a friend who was well up on trout lore and he told me that if I could find the deep waters of the stream, I would no doubt find the fish there and would be able to

The DeLuxe RUSSELL Trout Reel

STRENGTH and Slightness are built into this beautiful reel. Frame and spool are made of a special aluminum alloy; the spool staff bearing is of hard bronze. The adjustable hardened steel click is reversible, doubling the life of this part. Equipped with large patented demountable line guide of genuine agate. Capacity 100 yds. Weight 4-9-10 oz. See it at your dealers. \$7.50.

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take them with a fly. However, he failed to tell me how to fish my flies and therein lies the story.

I found the deep, quiet stretch of water all right. The stream paused a while in its rush to the sea and meandered for about a quarter mile through a bog meadow, a bit of water, by the way, that practically every angler passed by as worthless. Having found this place, I thought that all I had to do was cast my fly and catch the trout. Such colossal egotism, and so entirely unwarranted! I fished it five full days and only took one seven inch trout. However, that was the best thing that could have happened for the successful future of my angling. I began to realize that fishing was a complicated affair, full of contradictions and that one should never get the idea that one was invincible. It started me thinking of ways and means to discover the method needed to catch these trout.

Whether I would have solved the problem unaided remains a moot question. This time an aged man taught me what I wanted to know.

He was a queer character, this old angler, and he looked as if a breath of air would blow him away but he was as tough as an iron-wood sapling, could handle an amazingly long line and knew his trout as well as I know my own name.

The first time I spied him was just at dusk, at the dam hole, the last resting place of the brook before it resumed its turbulent and mad journey to the sea. I had not intended to talk with him but as I passed by I heard the splash of a lusty trout and stopped to see him land a native of at least a pound and a half. We became quite chummy before parting that evening and had made a date to meet at the brook the following morning a half hour before day break.

I followed old Jim the best I could through the inky black. How he knew where he was going I do not know; I'm sure that I did not have the faintest idea where we were. After wallowing through endless mud holes and falling over numerous bogs, besides getting slapped unmercifully with branches we finally came to a halt.

"Now we'll wait 'till day break," said Jim. "We is in jes' the right spot fer ta fish th' twin spring hole."

"Huh?" I queried.

"They's two springs as hubble up in th' bottom an' I calls it th' twin spring hole," he explained.

After a time I saw a faint ribbon of light some distance in front of us and I am sure that I heard a trout splash.

"Now's the time to start," said Jim. "It's jes' about twenty-five feet frum here ta the edge of the brook. A cast o' thirty-five feet will place th' flies almos' ta th' tother bank. Thet's th' reason I uses a ten fut rod, so's I kin handle m' flies wi'out th' line layin' low an' ketchin' in th' grass. How-some-ever I guess ye kin manage wi' yore nine footer here, cause th' grass aint so turrible high yit. Now ye jes' watch th' 'citement."

Off there on that ribbon of light Jim's flies settled soft as thistle down. We could not see them but he knew they were where they should be. Came a tense moment, then a violent splash and Jim was fast to a sure enough he trout.

The dawn had arrived completely by the time the trout was landed and a slight mist was arising from the stream.

"Thet hole is allus good fer a big 'un jest at daybreak," Jim remarked with a chuckle. "The wust o' it is thet th' rumpus spiles it fer th' rest o' the mornin'. Now I is goin' ta show ye how ta fish th' dam hole an' then ye kin go it on yer own hook."

We started for our objective, going along

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Wherever sportsmen gather on lake or stream, you hear tales of a wonderful rod.

They describe its marvelous action in playing large and heavy fish; how it yields to every rush without once relaxing a firm and steady pull. Its softness and delicacy in casting are reported as taking away half the strain and effort of this strenuous sport; and men who have put in three and four years of heavy work with a single rod state it is as straight and true as the day it was first unpacked.

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Write for Catalog P-1

with extreme care as Jim explained that the bogs carried the vibration of our walking down to the brook and for that reason every step had to be made so that the foot eased into position without the slightest jar. The dam pool formed a complete right angle. Jim took as his fishing location a point on the triangle formed by the right angle of the stream. From this point he could cover the entire hole without moving from his tracks (SEE DIAGRAM.)

"The trout, when they is feedin' fast," explained Jim, "lay jest out frum thet Alder bush (A) an' agin jes' above thet dam. Fer the nex' half hour er so ye'll git yer rises at them two spots. When ye don't git no more rises, then let yer flies float 'long pas' the alder bush an' they is jest 'nough current ta carry 'em well down into th' deep part o' the hole. Ef nothin happens thar leave 'em be an' the cross current as is thar will mor'n likely take 'em 'most to them other alders (Y). Sum-times ye will get a trout thar but mos' likely not. Wall, when yer flies git to thet spot they is purty near bottom an' here is whar one o' the fine pints o' wet fly fishin' cums in. Strip 'em in, very very slow like. This will cause yer flies ta work back thru th' deep water an' the chances is ye will git a strike. Ef not, then ye can take them frum th' water about thar. (pointing to Z) Jes' one thing more. Ye're flies mus' drap soft an' sink instanter. After thet ye mus' let 'em go naterel an' keep a purty tight line so's ye kin strike yer fish. Ef ye splash yer flies er jerk em through th' water ye wont git any fish. An' ye musn't git any nearer th' brook an' ye are now. Ef ye do ye'll scare ever' trout fer a hunderd foot."

And so the old fellow left me to my own devices. I'll not say that it was easy to carry out his instructions to the letter but I did my best with the following results. Three strikes and one hooked trout at A. Four strikes and one hooked fish at the dam. Three strikes and three hooked trout while dragging my flies from Y to Z. I was using a campbells fancy as tail fly and quill gordon as dropper, both tied on No. 12 hooks and with very skimpy wings and hackles. The quill gordon took one more trout than the campbells.

It seems rather strange that such small things would make the vast difference they did in the results of fishing this water. In the years that have followed these first pertinent experiences of mine I have added steadily, to my fund of fishing lore, many of such apparently insignificant trifles. The difference between a successful angler and the failure is one consisting of just such small things. If some one is taking fish and you are not, it is time to investigate the reason why. It will be found that the reason is one of trifles. Bad luck is very often a case of not knowing how.

BEFORE starting out on the lake or river via canoe, be sure that everything has a place and is in that place. When needed it can be readily found and without the necessity of going through all the dunnage to get at it. Also, make sure that lashings are securely made on the dunnage so that in case of a capsiz there will be at least a minimum loss of equipment. Axes, firearms, blankets, rations, match-boxes, etc., can with difficulty be spared on the trail and in camp and positive suffering may overtake those who neglect these simple precautions.

GLASS bottles left in old camp sites may be the means, through the sun focusing through them, of starting forest fires. To get rid of them bury or conceal but don't break glass about as it is highly dangerous to newcomers.

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SPRINGFIELD, MASS.

**EPICS OF THE OLD FRONTIER
INDIAN TERRITORY
INCIDENTS**

(Continued from page 15)

appetite would have been satisfied, and that but few would be present on this occasion; but the crowd was as great, if not greater, than at any previous occasion. Since yesterday people have been coming from all quarters, and the road thronged with comers until the town was crowded. Early this morning they hastened to take positions as near the gallows as possible to make sure of being present at the first act of the drama. The number present must have been between six and seven thousand."

The proper course would have been to execute these criminals strictly in private—just let them disappear without a word of comment. No newspaper should have been allowed to make any mention of these executions. With their low mentality and their intense interest in widely known criminals, publicity was a harmful and far-reaching factor throughout the whole of the Indian Territory in making heroes of those who should have been despised.

With all of their viciousness and their disregard of human life there was still a sort of sense of honor or of loyalty that made these criminals stick together. No matter how hardened the criminal he had a contempt for the man who would squeal on his pal—and let it be known that every murderer had his pals. The first execution at Fort Smith was that of John Childers, a half breed Cherokee Indian who had committed an especially brutal and cold blooded murder. Childers was arrested more than once, and every time he would make his escape—being aided by his pals or confederates—for all of these outlaws ran in "gangs". Every man in the gang owed a loyalty to every other member of his own gang. Finally he was arrested for the last time, tried, convicted, and sentenced to be hanged. When he was brought to the gallows Childers kept up a cool indifference, and smoked his cigar with as much nonchalance as if he had no concern in what was going on. Childers was given an opportunity to talk. Looking out upon the crowd he said that he saw among those assembled there a dozen of his pals, all of whom had sworn eternal loyalty to one another, no matter what the conditions. Then he added, "But they seem to be doing nothing for me now." At once the marshal in charge of the execution said: "If you will give me their names I pledge you my word not to hang you now. What is your answer?" "Didn't you say you were going to hang me?" asked Childers. "Yes", said the marshal. "Then, why in hell don't you do it?" coldly responded Childers. This murderer with the heart of a hardened criminal had a contempt for any man who would squeal on his pals. He might kill a babe in its mother's arms, and still retain his self-respect—but not if he proved false to his pals. There was an incident connected with the hanging of John Childers that made a great impression on the crowd of two thousand spectators who attended the hanging. A storm had been coming up. Just as the trap was sprung a bolt of lightning shot through the frame work of the gallows accompanied by a loud clap of thunder. The ignorant and the superstitious in the large crowd were filled with awe. One negro woman in the crowd shouted out: "John Childers' soul done gone to hell. I done heer'd the chains a clanking." As we look back upon those days so filled with crime and with super-

(Continued on page 42)

E. P. Rohrer and his Prize-winning 12 3-4 lb. Bass, Caught in Blackwater Lake, Florida.

Mr. Rohrer writes that this OLD MAMA got pretty wise after being hooked up on a lot of other baits.

This is the one
She finally
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Supt. Boat Division,
Mullins Boat Co.
Salem, Ohio.

Dear Sir:

I own one of your 19½ ft. Mullins steel boats. I bought it for junk, as it has lain on the bottom of a river for six years. I thought that all I would have would be a pile of iron and a lot of rotten wood, and to my surprise, when I raised it, I found the hull was as sound as the day it left the factory, with the exception of about three small rust spots and these were on the surface, and were stopped from doing any further damage by wiping with an oily rag. As to the wood-work, it must be of the best material obtainable, for it was not hurt.

It was no fault of the boat that it sank, as it had been lashed bow and stern between two trees. We had a big storm, and the river rose about ten feet, and the boat, not being able to rise, filled with water. I found the boat still chained to the trees . . .

After I saw the condition of the boat, and how well preserved it was after six years under water, and so little damage was done to it, I will always boast your boats . . .

Max G. Goodland,
San Antonio, Texas.

This letter came to us without any previous correspondence or solicitation. We have never seen the writer. We reproduce his letter because it tells in dramatic fashion how Mullins Boats stand up under the most gruelling punishment. The boat Mr. Goodland speaks of was built about 1912. It is still sound and seaworthy, after six years at the bottom of the river!

The new Mullins Outboard Boats have all the stamina and all the speed that have made them famous for 35 years . . . plus newer, snappier lines that make them leaders in their class. They are puncture-proof, non-stakable and carefree. Send the coupon for descriptive material on the new 1929 models.

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BOATS AND BOATING

A DEPARTMENT FOR THE FOLLOWERS OF THE WATER TRAILS



Boat Building 'Mysteries' Explained

By ARTHUR E. DOANE

THOUSANDS of fellows every year get into the boating game by building their first boat at home. And who says that first ride in that first boat which was built with their own hands, was not the best ride ever? And now, more than ever before, boat building at home is being taken up, and everyone is becoming interested in boats. The outboard motor is probably the main reason, because at small expense and with little or no engine experience, a real classy runabout can be built, or a race winning hydroplane. There are no shafts, struts, rudders, tanks, engine beds, exhausts, water connections, etc., to fit and adjust. Just a simple hull to build, bang the motor on the stern and with a flip of the flywheel you're off. Also boat designs have been simplified almost to the limit and yet the finished boat need in no wise be considered a make-shift. Rather, it can be a fine looking and fine performing little outfit anyone would be proud to own.

Many of you have built from the designs that appear from time to time on these pages. Many others who write me about the designs would build, I believe, but feel there may be some 'mysteries' about the work that they could not get by. Although each piece goes together logically enough, once you get started, it would no doubt help if these so called 'mysterious' methods and 'mysterious' names were explained more in detail than space permits included with each design. So I will go into the main points of building any of the designs that have been or will be published here, and if there are any other detailed questions, I'll be glad to take them up with you personally.

First let me ask you to release from your mind any thoughts you may have about small boat building such as this, being difficult or impossible for you to

undertake. Thinking of all the details at once is confusing, but by taking the work step by step, there is nothing to it, and I mean just that.

Right here, suppose I explain some of the boat terms that you may not understand fully, so that the following description will be more clear.

Form—The support or stand upon which frames, stem, and stern are held in place during construction. Usually made of two heavy planks (about two by eight inches) slightly shorter than hull, supported side by side, level and on edge at a convenient height, with ends at the bow of the boat fastened together, and the stern ends of the form planks two to three feet apart to carry the stern. (Accompanying photo shows planks supporting bottom frames.)



Base Line

—The level or plane from which hull dimensions are taken. Usually the inner edges of frames—except the first one or two—are on the base line, so if the top edges of the form planks are straight and level they can be used as the base line for supporting the bottom frames.

Table of Offsets

—The dimensions of the outside shape of the hull. The vertical measurements are taken from the Base Line, and

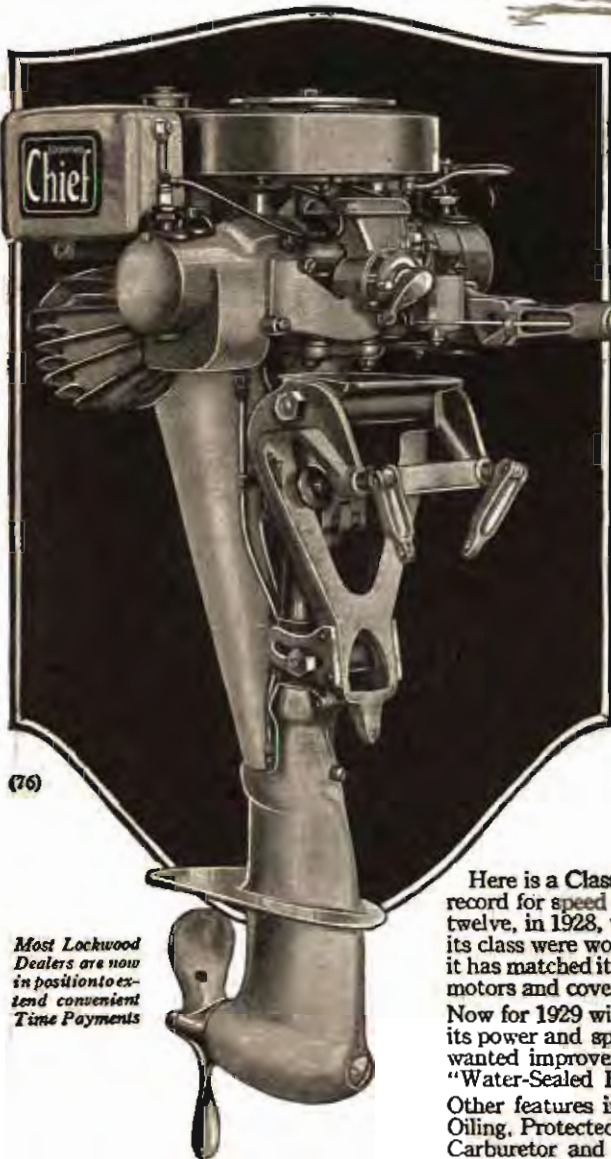
the horizontal measurements from the center line.

The dimensions are usually given to the outside of the planking, and are in feet, inches and eighths, hence 1-7-6 on the offset table would be one foot, seven inches, and six eighths or three quarters. From these figures, all the main frames can be drawn full size; frames being located at each station.

Chine—The point or line where the side and bottom of a vee or flat bottom boat intersect.

Sheer—The point or line where the side and deck or rail cap intersect.

RACING SPEED



(76)

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WHITE'S SPECIAL STEPPER—12 Feet Long

Clamps—Chine or sheer clamps are frame strips or stringers running fore and aft of the hull. They are notched into the frames and carry the planking between frames.

Knee—A frame member used to strengthen a joint.

Rail Cap—The narrow side decking along the cockpit, between forward and stern deck.

Cockpit—The open or undecked part of the boat for the use of passengers.

To Fair Up—Making the curve of the fore and aft stringers even. To take out the humps.

Step—Usually a cross-wise break in the hull bottom, with the after planking higher than the forward planking at the step. A speed feature for reducing the surface of the bottom in contact with the water.

Freeboard—The height of the sides from the water to the deck.

Flare—The outward slant or curve of the sides—usually forward.

Tumble Home—The inward slant or curve of the sides—usually aft.

Runabout—A fast pleasure boat with automobile type seats, steering wheel, etc. Between a launch and a race boat.

Hydroplane—A light speed hull that slides over the surface of the water. Usually used for racing, and may have one or more steps in its bottom or none.

Punt—A boat without a pointed stem; usually with a wide square bow.

Sloop—A sail boat with one mast, and usually two sails; the jib forward of the mast, and the mainsail aft.

Outboard Motor Classes—Alphabetical classifications given to the cubic piston displacement of the motors. Class A, 10 cubic inch or less developing from 3 to 7 horse power depending upon make and speed at which run. Class B, 20 cu. in. or less and 10 to 16 h.p. Class C, 30 cu. in. or less and 16 to 20 h.p. Class D, 40 cu. in. or less and 25 to 30 h.p. Class E, 50 cu. in. or less and 30 to 35 h.p.

The accompanying photograph will show you more clearly than any drawings, the several operations in building your own boat. Look at it closely. It is one of the Hydroboats being built from the plans that were published in this department last month. You can see the two heavy form planks that support the bottom frames.

The first two bottom frames are notched into these planks, but the rest set flush with blocks on each side to keep them square. You can see where the side frames are bolted to the bottom frame ends at the chine, and the chine clamps that are notched into these frame joints and to which the side planking is fastened. Fastenings, by the way, along the edges of all planks should be spaced about two inches apart. The ends of the chine clamps are cut at an angle to meet the stem evenly and screwed to it. The stem is beveled to the same angle as the continuation of the chine, battens and sheer clamps, the bevel being sharper at the chine than at the sheer.

The side planking is as simple as shingling a roof. The only seam that must be fitted is at the seam batten, and the plank's shape can quickly be found by clamping it in place and marking from the inside along the batten. Both the sheer and chine edges of the battens can be left full and trimmed off later as the bottom and deck planks run out by the side planking on a plain chine and sheer bevel, and are also trimmed off with no seams to fit anywhere. Even at the stem, there is no difficult fitting, as the planks on one side are put on first and allowed to extend by the stem. They are then trimmed off to allow the planks on the opposite side to extend by them and these latter planks are cut and trimmed to the stem curve, and finished with a half-round brass stem band.

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Will outlast several ordinary boats
9 models—31 sizes
Non-sinkable—safe—sturdy
Low in price—high in quality
Real proposition for dealers

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626 Perry Street Middlebury, Indiana

There isn't a single operation so far that a fifteen year old school boy couldn't do successfully, and the worst part is over.

Look at the photo again, and you can see how the keel is notched into all bottom frames, and the bevel at each frame is the same as the angle of the vee. Therefore the bevel varies from less at the step or stern to more at the stem, where the keel is notched into the stem and fastened directly to it. So in giving this keel its variable bevel, continually sight along the keel edges to see where your humps are so you can smooth them out with your plane, making the finished bevel fair and even for the planking to lay against. The same practice should be used in working out the chine bevel, which is done after the side planking is on.

When the bottom is planked smooth with battens under seams, the planks are shaped in the same manner as I have described for the side plank seam. When the bottom is lap planked, the planks at the chine are put in place first, and you work toward the keel. Your plank edges do not have to be to an exact curve as with regular planking, but can make a lap from one inch to one and one-quarter inch for a tight seam and that is all that is important. Up at the bow ends though, the under planks are cut away to allow the top planks to drop into them, so that they are flush and even when they reach the stem. The cut in the under plank starts about eighteen inches from the stem end and gradually deepens to the full thickness at the stem. Many difficult warps and twists are eliminated by not curving all the planks around to end at the stem, but to allow two or three of the outside planks to end near the stem end of the chine.

I assume that any one who can build the hull this far, can lay straight decks and floor, and build simple seats, so rather than waste space by explaining this work, I think perhaps many would like to know the kind of tools they would need in building their own little ship. Two hand saws will be needed, preferably with fine teeth. See that they are sharp and properly set before you start work. In fact, get all your tools in shape before you start work, as the tendency is to slight them once you get interested in the work. Two chisels, three-quarters and one and one-half inch, are about the right widths, and for boat building, I like the short stud type. One screwdriver—the kind with the ratchet will save much time and sore arms. A good selection of drills, and a brace of the gear type—we call them 'hurdy-gurdies'—will be much used. The only others that are necessary are two planes—one of the small block type and about a fifteen inch joiner—three or four boat clamps and a convenient bench with a vise.

So go to it with the determination to do a fine job and finish it—and you will. And your first ride in your own, home-built ship, will be the greatest ride you have ever had on the water, and I'll bet it won't be the last.

IT IS a waste of time and worse to blaze a trail indiscriminately. A few well defined and conspicuous markings on trees will be sufficient. It will take less time to make them and they will be seen easier and much quicker than numerous poorly made ones. Make all marks high enough to be easily seen by one on the trail afoot. Blazes should mean something.

IT IS a good plan to put in the pack a tube of some kind of ointment for possible use in case of sprains, strains and when our friend (?) lumbago comes into camp. The most hardy woodsman has to reckon with these things once in a while. "Be prepared."



For Your Family—
The New MERCURY

THE original design of the 1929 Mercury introduces a new trend in V-type boats. Beautiful lines give it an individual gracefulness — yet safety under any condition is the keynote of its success. For it is truly a family boat — for every member of the family to use and enjoy. 16 feet long, built of genuine African mahogany and has a 59-inch fore deck. Capable of speed up to 30 m. p. h.

There are other Boyd-Martin family boats, runabouts, speed boats, from which to select the boat you want. Each has its distinct advantages. The World's Champion — the fastest step-plane, the BULLET, is a Boyd-Martin. Write for the 1929 catalog. Boyd-Martins are illustrated and described in detail. Write now.

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556 Lee St. Delphi, Ind.

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The Fastest Time Made by
Any Outboard — Any Class
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EPICS OF THE OLD FRONTIER INDIAN TERRITORY INCIDENTS
(Continued from page 37)

stitution can anybody doubt that these public hangings were a mistake?

At the time I was at Fort Gibson there was a sort of consensus of opinion that the Creek half breeds were the worst of all criminals. There were many desperate and despicable gangs who roamed at large in the Indian Territory. None of them were worse than the infamous "Buck Gang" consisting of five half breed Creeks. This gang was in existence but thirteen days. It was organized for just one purpose—to make for itself the worst criminal record ever made on the American soil. They had an ambition to make the Dalton gang, the Starr gang, and all other gangs seem mere pikers. They succeeded in that ambition. The more heinous the crime the greater was their zest for it. This gang sprang up suddenly near Okmulgee in the Creek nation under the leadership of Rufus Buck. They began by killing in cold blood the deputy U. S. marshal at Okmulgee for the express purpose of giving them a wider and more unobstructed field for the villainies they proposed to commit. For thirteen days this infamous gang pursued its carnival of crime so that it might be handed down to posterity as America's all star gang of criminals. Robbery, murder, arson, every crime they could devise was committed. Calling at the house of an American farmer living on Snake Creek they forced his wife to prepare dinner for them. Standing the farmer off with their Winchester they brutally assaulted his wife. They wound up their orgy of fiendishness by requiring the farmer to dance, making him step lively by shooting around his feet with their revolvers.

At last just thirteen days after they started out they made a fatal mistake. The gang had made an unusually successful raid on a store, and were busy dividing up the loot. Such a bunch of cut throats could not trust one another. While the spoil was being divided not one of the bunch would volunteer to keep watch—he feared his companions would not give him a square deal. The deputy marshals and their posse came upon the band while they were dividing up the loot. The whole gang was captured and hanged, but they had succeeded in their ambition. For pure fiendishness, and a desire to commit crime for crime's sake the Buck gang stands easily at the top of the list.

If the infamous "Buck Gang" is entitled to the palm for the worst of all bands of criminals, then undoubtedly the individual palm must go to one man, Crawford Goldsby, alias "Cherokee Bill." This notorious outlaw was born at Fort Concho, Texas, in 1876. Of course no outlaw, whatever his viciousness, nor however heinous his crimes, can pay with his own life more than once. But for this limitation Cherokee Bill might have been hanged once for each of the cold blooded murders that he committed. The turbulent career of Cherokee Bill lasted less than two years. But within that period he established a record for pure human fiendishness that we hope may last for all time.

If the infamous Buck Gang, and the notorious Cherokee Bill held the spot light as far as the male sex was concerned. They were closely pressed for a place in the hall of infamy by Belle Starr, a bandit and murderer who died with her boots on. The life of Belle Starr has always seemed to me a peculiarly tragic one. She



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AXE is 13 1/2 inches long, 3 1/2 inch edge in leather belt sheath, delivered \$2.00.
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BURLINGTON BASKET COMPANY
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was born in Carthage, Missouri, February 3, 1846, the daughter of cultured parents, Judge and Mrs. John Shirley. One can never tell the effect of the hidden forces of life, nor estimate at its proper value the influences of environment. In her girlhood she was frequently with Cole Younger and the notorious Jesse and Frank James. The glamour of their deeds started Belle Starr on her career of crime, just as her own hectic career gave false ideals to the youth of an unfortunate land. To a large number of Indian youth and half breeds Cherokee Bill and Belle Starr stood on the pinnacle of fame. They worshipped them. I once saw Belle Starr when she was at the very climax of her fame. A deadly shot with rifle or revolver, a fearless rider, but an outlaw of the worst kind it seems a tragedy that such a woman should become the most widely known woman of a great section of our country. Belle Starr died on her 43rd birthday, February 3, 1889. With all of her courage she had the unfortunate weakness of her sex—she couldn't hold her tongue. Among her confederates in crime was a man who had committed murder in the state of Florida, and had then made the long jump to the safety of the Indian Territory. The wife of the fugitive in a moment of confidence told Belle Starr about her husband's crime. In an altercation with this man a short time afterward Belle Starr made some insinuations that led the man to feel that she knew his story. A little later he made up his mind to get rid of one who was in possession of such dangerous knowledge. Awaiting his opportunity he shot her in the back, and thus passed from the stage America's most dangerous female criminal. Those who live by the sword must perish by the sword.

GAME RESTORATION

(Continued from page 8)

attention to your local cover which it must have if it is going to provide you with satisfactory sport. Natural increase cannot be depended upon to do more than maintain the existing supply and that only if it is aided by a systematic control of vermin. So the job comes back to you and fortunately you can easily raise your quota of pheasants, twenty-five or more, with little expense. You may be able to secure eggs from your state department, but if not, you can purchase them from a commercial game breeder. Set the eggs under a clean domestic hen and handle the eggs and chicks much as you would domestic chickens.

As an example of what some sportsmen have done, showing what can be accomplished and also giving perfectly good, simple instructions on how to do it, we are pleased to print a letter recently received from a thirteen-year-old boy, Morton E. Davis III, of Green Bay, Wisconsin.

February 6, 1929.

National Sportsman Magazine, Boston, Mass.

Dear Sirs:

Because I am very interested in game restoration, I am inclosing this snapshot of one of my pheasants and a little story on my experiences.

I have always been interested in birds and animals, so when I found out that our Conservation Commissioner had pheasants' eggs I got twenty. I bought a Rhode Island Red hen and set the twenty eggs under her. Twenty eggs are too much for one hen, I think, but it turned out all right. I had a nesting box made like the game farms



The Ashaway Extra Strength Bait Casting Line is hard braided best Japan black silk. It has Ashaway's exclusive soft water-proofing. This completely protects it from mildew and rot. List prices, 50-yd. spool: Size I \$1.00, H \$1.35, G \$1.50, F \$1.75, E \$2.00, D \$2.50, C \$2.95.

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Write today for folders and two-quart camp water carriers—**FREE**



Turn in on the hardest bunk or cot ever discovered, or on ground that's petrified or soaking wet. You're sure of soft comfort and full protection on your Airubber Camp Mattress. No humps, hollows or hardspots. No bone chilling underdraft or ground moisture.

Special one-piece Airubber "Light Six" shown is newest of our complete line of sectional and one-piece air beds and speed-boat pads. Patented. Improved fast valve with interchangeable caps. Khaki jeans, rubber inside, full vulcanized. Size 25 inches by 75 inches; weight only 5 1/2 lbs. No. 550—price \$16.00. Sold by best dealers. **Our best Airubber Pillow, No. 381, \$2.50**

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Ideal for Trapsnooting,
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use. For the nest I cut a square piece of sod, made a depression in the middle and lined it with straw.

While the hen was setting, I gave her fresh corn, grit, and water every morning. If the day was clear and warm, I took her off the nest and made her exercise for about fifteen minutes. I turned the eggs every day, every two days I moistened the sod and eggs, and once a week I squirted the hen, nest, and eggs with pyrethrum powder to kill lice and other bugs.

On the morning of the twenty-fourth day, I went out to see how the hen was, and when I saw four young pheasants I was very much excited. By the end of that day fifteen of the eggs had hatched. I opened the other eggs and found that four had dead pheasants in them and the fifth was not fertile. The next day the hen stepped on one chick and killed it, and later while they were out at our cottage four of the chicks took to the woods. None of those left got any disease or died, so now I have ten full grown healthy birds left.

I fed them the usual egg custard and fresh greens until they were about two weeks old. Then I began to mix in chick grain and two weeks later gave up using egg and fed them mostly on mixed grain chicken food. Of course, I gave them fresh water, grit and charcoal, and they got lots of insects themselves. I moved the coop every day to give them fresh clean ground and frequently let them run with the hen.

After I liberate these birds next spring I am going to start again hatching and raising a dozen Mongolian Pheasant eggs that I have ordered from a very reliable game farm. The eggs that I will get from these birds a year from this spring, I am going to give to people in this town that are interested in Game Restoration.

Yours for more and better GAME RESTORATION.

Sincerely,
MORTON DAVIS.
(13 years).

Another example, in this case of game keeping is found in the following letter from Ralph E. Williams, Round Lake, N. Y.:

There will be a lot more rabbits, partridges and pheasants in the vicinity of Round Lake, N. Y., now that one of their worst enemies has disappeared.

The last day of the bunny season, Edward DeGarmo of that village, commonly called "Jake", with L. P. "Bud" McKean, were hunting in the swamps near the lake shore. They had bagged three cotton-tails and were on their way home when they saw a flock of crows, madly excited, making for them with loud cawings.

Ahead and below them silently drifting through the air like a huge dirigible harassed by scout planes swept a big owl and far in advance, wildly beating the air with silent wings, was its mate.

Bud claims that the first one came so near him he dodged behind a tree. Although he is an experienced hunter, he had forgotten to throw out the empty shell after shooting his last rabbit so the hammer of his pump-gun fell on empty brass as he pulled the trigger, and Mr. Owl slipped into the safety of some big pines.

Jake was luckier. His second shot brought down the largest great-horned owl ever taken in this vicinity. When nailed to the shed door, the

wings spread fifty-six inches, and he weighed nearly ten pounds. The claws were like great strong fingers pointed like needles and seemed capable of grasping a young lamb which the huge wings easily would have supported in the air. A rabbit or a big game bird such as is found in that region would have been easy meat for that fellow. They may eat in peace at night now, however, because the owl is being stuffed and soon will stand beside the big cock pheasant on the old-fashioned sideboard under the buck's head in my home.

RALPH E. WILLIAMS.

Information on raising game can be secured free of charge by addressing the Bureau of Biological Survey, Washington, D. C., or a booklet entitled "The Game Restoration Program", containing practical information on the restoration of both fish and game will be sent to you on receipt of ten cents by NATIONAL SPORTSMAN MAGAZINE, 108 Massachusetts Avenue, Boston, Mass.

Subsequent articles in this magazine will also give information and suggestions on how to raise and liberate pheasants, quail, and other game birds, how to improve covers and to protect game from vermin. They will also include similar information on the rearing of game fishes from small to adult size for restocking local waters.

With reliable information on fish and game breeding and game keeping so easily available and when the results of your efforts are so direct and sure, why not take up this program for more and better sport in your home covers and local streams? Can you afford not to take up this work? If you want better hunting conditions in your local covers, better fishing in your streams and ponds you have got to make it so yourself. Even if you are satisfied to keep conditions as they are, you must do most of the work yourself. Start now, select some cover to receive your special attention, develop it, restock it, and take care of it. The Game Restoration Program shows you how. The results will be yours to enjoy.

HIS MAJESTY, THE RUFFED GROUSE
(Continued from page 14)

heavens. Frantically I endeavored to untangle my Lefever from three little birches that impeded my swing, but my shot was just a fraction slow, and that woodcock got away too. Hells bells!

We worked around to the left and flushed a partridge from a big apple-tree, but she got up wild and neither of us shot her. Then we went back to the car and rolled across country to another cover. This was an old cow-pasture, grown up to little alder clumps, and very wet underfoot. Gyp waded into the alders, and immediately scented game . . . she went ahead with little, crouching steps, the last three inches of her plumed tail twitching spasmodically. Then she stopped . . . one foot up and her head bent around sharply. George walked in, and I got a nice picture . . . then swung my twenty-gauge up and fired . . . a split-second behind George's shot. That woodcock scaled and twittered up through the small alders, poised against the sky . . . then darted off in an erratic course that was laid for the Atlantic coast. We stood and watched her go . . . getting smaller and smaller in the distance until she disappeared altogether. Usually a woodcock will pitch down within a hundred yards or so, often less. Not



New 32-Page Year Book



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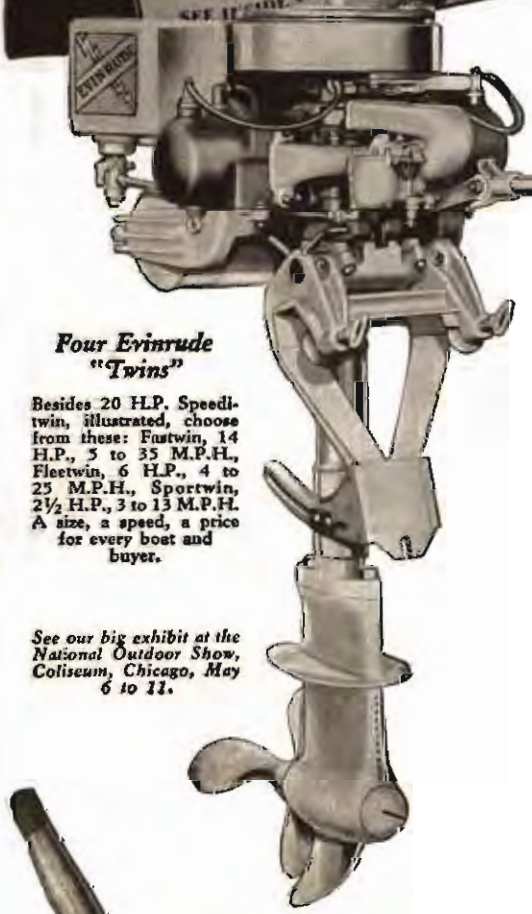
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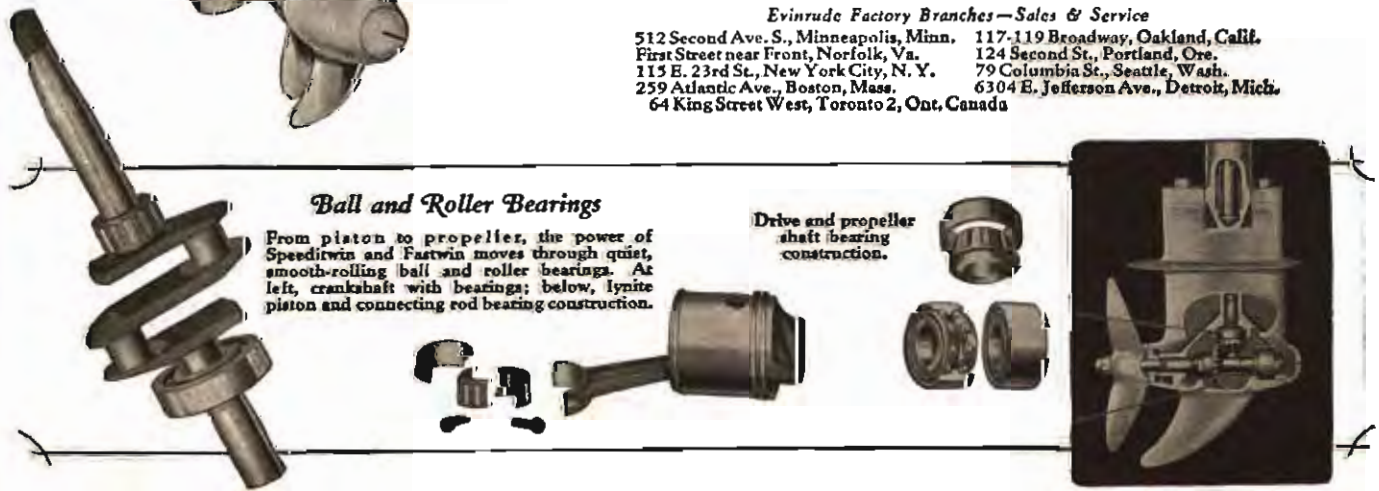
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Such an enviable reputation does not come from a mediocre product. There are and perhaps always will be imitations of this famous lure. But, they're not *Bass-Orenos* in action or results by a long ways.

There's only one *Bass-Oreno*. Made in 12 standard colors to sell at \$1.00.

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Guaranteed by insurance policy to catch fish or your money refunded. Flashy metal grooved head sinks bait to any desired depth where it has *Bass-Oreno* action and effectiveness. Great hot weather bait when they're down deep. 8 colors. Sells at \$1.25.

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LITTLE WONDER POCKET STOVE

Our **LITTLE WONDER POCKET STOVE** will keep your hands warm, no matter how cold the weather. It's a great comfort when you are Hunting, Duck Shooting, Auto-mobiling, Snowshoeing, etc., and your hands get numb with cold, to be able to warm them with this little stove.

This pocket stove is made of metal, covered with cloth, and curved to fit contour of body. A single taste of slow burning, bladeless and smokeless fuel will keep the stove warm for about three hours, and will be found superior in many ways to a hot-water bottle. Great to tuck under your belt if you have a "tummy" ache in camp.

Complete outfit, consisting of a stove and 40 tubes of fuel. Price, postage prepaid, \$1.00.
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Here is our "get-acquainted" offer for April—the Hood "Ike Walton" Sporting Boot—just the thing for trout fishing—special price only \$6.50—Postpaid

This is an extremely light weight, extra quality black boot, pliable as kid, wears like pigskin. Special strap adjustments prevent all slipping, sagging and chafing. Combed yarn lining insures warmth.

Save money on your fishing boots this year. Our special price of only \$6.50 is a substantial reduction from the regular price of the Hood "Ike Walton" Sporting Boot.

Satisfaction absolutely guaranteed or your money gladly refunded.

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No C. O. D.s—no catalogs. Satisfaction or money back.
ESSEX ARMS CO. 18 Stockton Pl., East Orange, N. J.

this baby, tho! She's going yet, for all I know.

"I think that bird was hit", opined George. I grinned. "She should have been . . . getting right up in plain sight like that," was my reply. "Guess I'm gettin' old . . . that makes five clean misses for me so far." Pretty dusty shootin', for a fact.

Well, we crossed a road and walked up through a stubby, barren field till we came to a birch run, in the upper end of which was an old deserted orchard, brambly and brushy and birdy as sin. George took the brush, while I followed along the edge. He had not gone fifty yards when two birds flushed and he made a sweet double . . . both big cock grouse.

A third biddy flushed ahead of me and again I drew a complete miss. It was commencing to get my goat . . . and I didn't care who knew it. Looking around for an alibi . . . any alibi, I decided that maybe the shoulder strap on my camera was slowing up my swing, for I'd been shooting behind every bird we'd raised.

Working down toward the road, Gyp located another woodcock and George nailed him center when he jumped, a pretty shot, too.

"Let's go back to Augusta. You have dinner with me and then we'll try a cover near home. I want to find out what's the matter with my form" I told him. George agreed, good sport that he is. "I ought to go to Belfast this afternoon, but we can't let business interfere with this sort of sport" he said smilingly.

We rolled back to town and got outside of a couple of hot lobster stews . . . then resumed the day's sport in a combination grouse and woodcock cover west of the city. And this time I left the camera in the car . . . I was out for a come back.

We walked down a muddy little cow-path, entering an alder swale. Gyp found a woodcock, which promptly flushed and came twisting out of the alders right at my head, zigzagging crazily. I put the muzzle of the little Lefever on her, changed my mind and spun on my heel, watching the bird with uplifted face and gun at shoulder. She passed . . . and I cut down on her at a safe thirty yards. "Dead Bird!" called George as the twenty spoke, and a moment later Gyp brought her in.

A few minutes later another woodcock got up wild, and we marked her down when she pitched in a little clump some distance away. Gyp found this one quickly. "You take her, George!" I said, but he would have none of it. "I've had my fun today, take her yourself" he said, and I knew I had to make good on this one.

Gyp nosed her out, and the foolish cock darted into the open field at my left, flipping down in a burst of feathers as the chilled nine's intercepted her flight.

Then we started down a little woods-path through the alders, and suddenly Gyp stopped, nose lined on a sitting partridge right beside her. The bird smashed upward instantly, swerving sharply to the left, and my shot-charge reached her a scant twenty yards away. George grinned . . . "Commencing to hit your stride again, eh!" he said.

We went into the dense alders, and flushed a bird from beneath a thorn-plum bush. This one swung up and bored through a little pine, and again I managed to center my charge where it would do damage. The grouse thudded down. "You pulled about the right time on that one" said George. "In a second more I'd have taken her out from under your gun." He would have, too.

"What do you say? Let's call that good for today" I suggested. George was

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willin', for we had both covered a lot of ground since morning, and poor Gyp, scratched by blackberry bushes, covered with mud and water, had covered five miles to our one and was commencing to feel the strain. But she'd never quit, so long as birds were to be found.

Then I discovered that I had pulled the prize boner of the entire season. In some way, while we were tearing around the brush during the latter part of the forenoon, my film-pack adapter had come open, and I had lost the pack, with eight splendid pictures of Gyp doing her stuff. Of all the stunts!

But there was no help for it. In the car I had a plate-holder with a couple of plates unexposed. We used these to photograph the day's bag; and a picture of Gyp with the birds... but those did not console me for the ones we had lost.

However, as George expressed it, "You can't have everything... and we sure did have one good day's shooting, so let's not kick about the film-pack."

And that's the way it goes. When one gets to thinking he can't miss, he'll have a regular epidemic of misses... to take the conceit out of him. That adds pep to the game and keeps us from getting swelled-headed about our shootin', besides giving the birds a break.

In two days the 1928 season on woodcock closed, but believe me, business couldn't keep me out of the covers. A sweet little gamester, Bre'r Timber-Doodle!



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AMATEUR MOVIES FOR THE OUTDOORS MAN.

THERE is no better way that we know of to work up a compelling feeling for fishing or hunting than to see movies actually showing these sports. There is no better way to provide appropriate entertainment at meetings of sportsmen's clubs than by showing movies of hunting and fishing. An increased interest among the members in these sports means greater interest and enthusiasm for the club and its activities. There is no less expensive form of entertainment, provided of course that an amateur moving picture machine is available. Fortunately there are so many people interested in taking their own movies that one or more projectors as well as cameras may be found in almost every locality. Sportsmen's clubs are especially fortunate because the idea of taking motion pictures has had a particular appeal to sportsmen and cameras are now commonly included in a complete equipment. The projector is kept at home and even taken to camp on occasion. Sportsmen's clubs which have taken advantage of the Plan of Cooperation offered by NATIONAL SPORTSMAN are familiar with the films in the collection which carry the trade mark of the Canadian National Railways. Most of these pictures, especially the newer ones were taken by W. H. Robinson, official photographer of the Canadian National Railways. Mr. Robinson offers a few suggestions to those who plan to bring a movie camera with them on their trip to Canada this year. But first of all we must announce the addition of five new films bearing the Canadian National seal to our collection which brings the total to fifty-one full reel subjects carefully selected for their interest to sportsmen. The new addition are as follows:

- 43. Battles of the Pools. A salmon fishing story on the Margaree River, Cape Breton, Nova Scotia, with a combination of good scenic and action shots. Plenty of fish and fishing action.
- 44. Salmon Rivers of New Brunswick. Showing salmon and grise fishing on the Tobique, the Mirimachi and the famous Restigouche Rivers of this province. Personalities in this film include Rex Beach, noted author, and Gene Byrnes, cartoonist and creator of

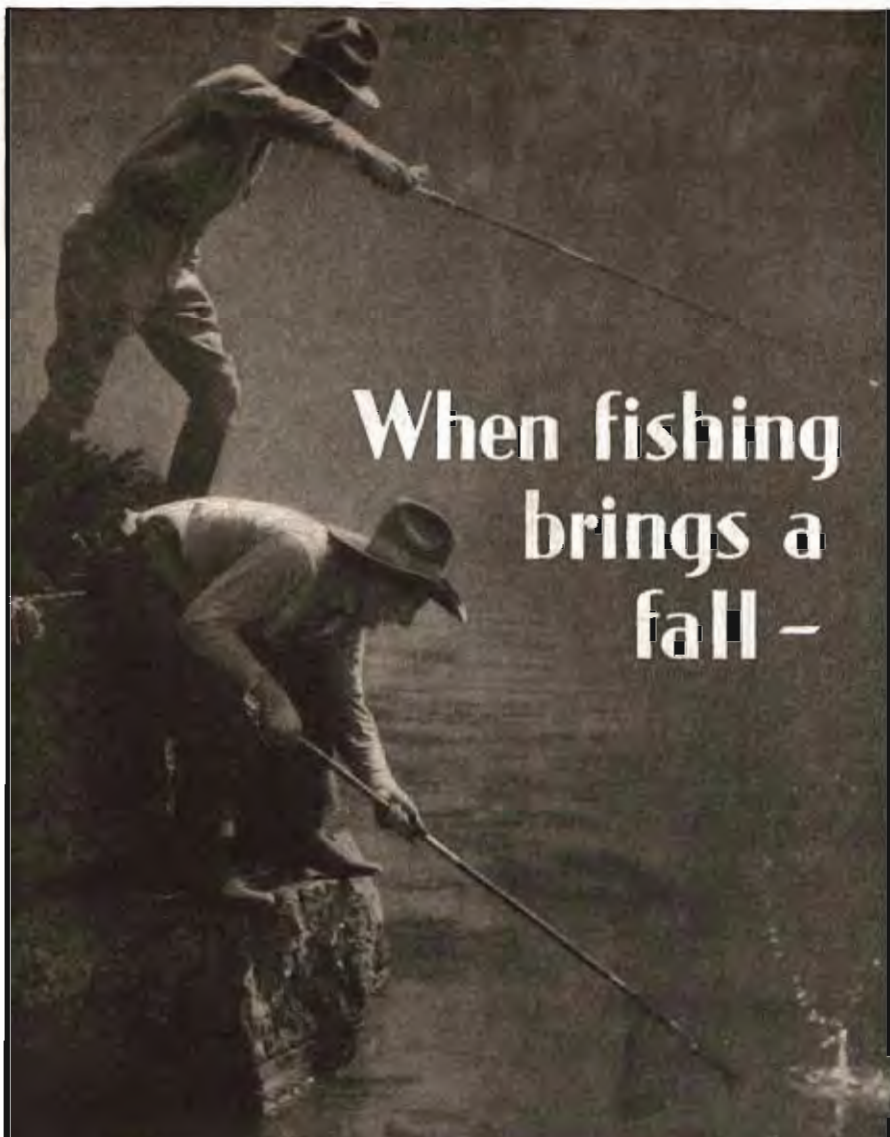
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Write for circular. No. 1 Price \$4.00 for 3 eggs with grid—Any 1 burn flame. No. 2—Price \$7.50 for 6 eggs with grid—Any 2 burn flame. If not yet on sale in your city will send C.O.D. \$1.00 to accompany order. Inspection allowed. Burt, Bergren Mfg. Co. 307 5th Av. S. Room 115 Minneapolis, Minn.



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brings a
fall -

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 46. *When Winter Comes.* Winter sports of skiing, snow-shoeing, tobogganing, etc., in and adjacent to the cities of Montreal, Ottawa, and Quebec, Canada. This film shows some of the Dominion championship ski-jumpers in action at Rockliffe jump, Ottawa, and at the famous Cote des Neiges jump in Montreal. World-famous dog drivers with their teams are also featured.
 47. *Big Game Trails.* This includes many remarkable pictures of big game animals of the Canadian Rockies taken in the beautiful Jasper National Park.

BY ALL MEANS, BRING A CAMERA.

By W. H. ROBINSON

TO the man or woman planning an out-of-doors holiday in Canada, I would say: By all means bring along a motion picture camera if such is available. The picture territory and the subjects are here in profusion.

Whether the location of the proposed holiday is on the salmon streams or along the seashore of New Brunswick, Nova Scotia or Prince Edward Island; on the lakes or in the forests of Quebec or Ontario or on the broad prairies or in the Rocky Mountains which lie to the westward, by all means bring along a motion picture camera. First familiarize yourself with its operation by making a hundred feet or so of film and having it tested, and then, on reaching the territory where it is proposed to use the camera, do not hesitate to ask questions of some one who is using a motion picture camera regularly in the territory. Canadians as a rule do not mind answering questions; in fact, as a general rule, they are more than glad to pass along helpful information.

It may surprise readers to know this, but I think it would be safe to say that nearly ninety per cent of the amateur film exposed in the Rocky Mountains during the course of a tourist season is over-exposed. If the camera-user comes from, say, the New England States into the Rocky Mountains of Canada to Jasper National Park, and regulates his exposure on the same basis as at home, he is almost certain to over-expose. On the other hand, in the Maritime Provinces, in Quebec or in Ontario, he will find the conditions practically the same as at home, and he will find that the exposure meter which he received with his machine is a good guide for his operations. In the Rocky Mountains, where increased altitude above sea-level brings greater light intensity, the amateur is very liable to over-expose.

In our own work, which ranges from the Atlantic provinces on the east to British Columbia on the west, it is necessary to warn every camera man, on his first trip to Jasper National Park and the Rocky Mountains in particular, to cut down on exposures. Light intensity differs considerably as one journeys westward in Canada and as the altitude increases, and the amateur must remember this if he is to avoid disappointment at the end of his trip.

Another thing it is well to do if possible, is to have a test made during "field operations." I have seen amateurs in Jasper National Park, come in from a lengthy trail trip with ten or twelve thousand feet of film, exposed before they had made any check-up on light and altitude conditions, all of which was badly over-exposed. To secure a test of a film is not always easy, but it is not impossible. There are photographers in every city who will test a few feet of the first rolls, and those tests offer the safeguards between good and bad results.

TIDE TABLES FOR SPORTSMEN.

THE United States Coast and Geodetic Survey, Washington, D. C., has published tide tables annually since 1853. These tables give for each day of the year the predicted times of high and low water, the phases of the moon, and the times of sunrise, sunset, moonrise and moonset. The publications are issued in convenient pocket size and prepared primarily for the use of watermen, yachtsmen, fishermen and hunters as well as the general public.

In addition to complete tide tables (price 75c) giving daily predictions of the tides for eighty-eight ports throughout the world and tidal differences from which predictions can be obtained for over 3500 other places, there are smaller tide tables for the Atlantic Coast and the Pacific Coast (each 10c in pocket size), tide tables for New York and Boston Harbor (each 5c), and current tables for the Atlantic and Pacific Coasts (each 10c), which latter contain daily predictions of times of slack water and velocities of maximum current for eleven places on the coast and differences for about 500 other places.

Sportsmen wishing to secure copies of these tables should apply to the Director, U. S. Coast and Geodetic Survey, Washington, D. C., or to field stations of that service at Boston, New York, New Orleans, Seattle or San Francisco.

PRIZE FOR SOLUTION OF FORESTRY PROBLEM.

THE Society of American Foresters has recently announced that a first prize of \$1000 and a second prize of \$250.00 will be given for the two best essays describing the present forestry situation in the United States and proposing a practical nation-wide remedy for its solution. The purpose of the prize contest is to stimulate the study of the national problem of forestry and to bring out constructive suggestions for meeting it in an effective way.

Essays submitted in the contest which cover the actual forestry situation in the United States today offering a nation-wide remedy applicable in actual practice which can be applied in time to meet the nation's needs and which if applied will solve the problem of a permanent and adequate supply of forest productions and secure other benefits of forests essential to the public welfare.

The essays must be typed and should not exceed three thousand words exclusive of a summary of conclusions which should be presented at the beginning of the paper. The contest is open to any individual who desires to compete. Further information about the details of this contest may be secured by addressing Mr. S. T. Dana, School of Forestry, Univ. of Michigan, Ann Arbor, Mich.

WISCONSIN FISHING RESORTS

L. W., CENTRALIA, ILL. I am planning a fishing trip to Wisconsin this summer and hope that you can help solve my problem as to where to go. Every place there I write to is some sort of a resort with all meals served at hotel, etc., and no cottages for light housekeeping as I would like to do.

If possible, our party of four would like to get away from the crowds at these popular resorts. I would like to be on a lake where fishing is fairly good, do light housekeeping in a little cottage and be off by myself as much as possible.

If you help me out on this in any way, I would surely appreciate it. Also when would be best time to go and how much do non-resident fishing licenses cost in Wisconsin?

Have been a subscriber to NATIONAL

SPORTSMAN for several years and it suits me 100 per cent.

There are so many resorts in Wisconsin it is impossible for me to recommend any particular ones. I believe the three most popular places for anglers are Spooner, Rhinelander and Three Rivers. There are more than a dozen resorts out from each one of these towns and I am sure you could find a place to suit you by making inquiries after you arrive.

Out from Three Rivers are Butternut-Franklin Lodge, 1 to 4 room cabins, \$25 to \$28 a week. Deer Lodge \$21 to \$25 a week. Dreamland Camp, one small cottage \$10 a week. Beach at both places. Griswold's Camp Butternut Lake \$25 a week.

Birchwood Lodge, Rhinelander, on peninsula between Moon and Third Lakes, rates \$22.50. Kraner's Point housekeeping cottages, \$25 to \$35 per week. Pinewood Lodge, same rate, gas stoves, gas lights, ice, beach, etc.

The non-resident fishing license fee, without shipping coupons, is \$3.00—with three coupons—\$2.00 additional.

The Milwaukee Journal Tour Club publishes, for 25c a copy, a Fish and Game Guide book which lists hundreds of resorts in Wisconsin.

TWO-MAN OUTFIT FOR FISHING TRIPS.

R. B. S., Harrisburg, Pa. My pal and I contemplate, this summer, spending two weeks vacation in motor camping and fishing, in Pennsylvania, Maryland or Virginia. We may move from place to place every few days or we may spend the entire time in one locality. We expect to travel in one of Mr. Ford's new coupes.

I would very much appreciate your suggestion as to the proper equipment such as tent, (style) cooking, sleeping and camp necessities to make ourselves comfortable.

Answer:—I have fished in all the states you mentioned and believe I would prefer Virginia, altho there are many excellent trout streams in Pennsylvania, especially Young Woman's Creek, and other nearby streams. The chief game warden of your city will advise you regarding fishing waters in your state. For data on Virginia fishing, write Chamber of Commerce, Richmond, Va. and Conservation Commission, same city.

A regulation hiking outfit would suffice for two men, who desired to hike back away from the rail and auto roads. However, a compact auto outfit would be more comfortable and nowadays a Ford car will be taken almost everywhere regardless of the lack of good roads. Johnson Mfg. Co., Beatrice, Nebr. make a tent-bed-mattress outfit occupying 48 inches on the runningboard and weighing only 69 lbs. It costs \$49.50. It is the most convenient outfit for two I know about, since it eliminates use of poles, stakes, etc. Separate auto tent and bed outfits would cost about one hundred dollars, if umbrella or quick erecting tent, and weigh about one hundred pounds, and would take more time to set up. You will need a camp refrigerator or food cabinet, cook kit, No. 3 Kampkook stove (smallest on the market) water bags and a few other accessories that any outfitter's catalog will suggest. Secure catalog from Jones & Van Doran, 800 Eight Ave., New York City. Blankets or sleeping bags may be used. Kapo bags are cheapest, and excepting bulk, are entirely satisfactory.

IT IS always "good dope" to drink sparingly of water in a strange country. Dysentery or constipation may result. Be sparing and careful until you get used to new waters.



Tom Mix



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DRY FLIES AND HIGH WATER

(Continued from page 21)

darker as the stream rises and lighter as it falls. Just the same, it was very deceptive as to depth as I soon found when I waded across an apparently shallow eddy where the stream spread out at the foot of a broad riffle. I heartily despise rubber boots for trout fishing and generally wear hobnailed shoes over heavy woolen socks and get wet to start with, rather than as a chilling surprise later. But this morning, with the clouds gathered overhead again and a cold drizzle falling, I simply couldn't enthuse over the idea of deliberately wading into the icy stream, so risked the rubber boots. Besides, I really didn't expect to catch any trout from the swollen stream and didn't relish getting wet for nothing.

My first casts were over the eddies near the bank, for under such water conditions the trout might be expected to hug the shore in comparatively quite water. But the number ten fan wing Royal Coachman floated serenely along without interruption after each cast. Then I cast out in the middle at the foot of the riffle and was surprised to see an underwater flash of a small fish that missed the fly. Several more casts and I landed this fish, an eight inch brookie. Just as a token of his foolishness in rising to a dry fly that day, I creeded him. Two yards farther toward the opposite bank, I hooked and landed another, a nine inch rainbow. By this time I began to shake off my misgivings and even forgot the rain, which necessitated tilting my head every few minutes to let the pools of water run off my hat brim without going down my neck.

I floundered around in the Devil's own invention, otherwise known as hip rubber boots, until I could reach a narrow rift between two barely submerged boulders directly upstream. The fly bobbed down between them over the rough water with wings cocked prettily, and as I retrieved it only a few feet above me, a good rainbow turned under it and disappeared upstream. He had evidently let the fly pass over him, then turned downstream after it a moment too late.

I was afraid that he had seen me, for I had looked right into his eyes, but I stood motionless for a few minutes and then cast again. This time the fly disappeared in a swirl after floating a bare yard, and I was fast in a good fish that gave me plenty of action before I slipped the landing net under him a few minutes later.

In the next few pools I landed two more good rainbows, and then came to a place where the stream spread out, forming an

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immense shallow pool that is really a miniature lake. With its border of dark spruce framing its placid bosom, it looked for all the world like a wilderness pond of eastern Canada. Toward the upper end, the shore lines closed in gradually and the current increased perceptibly, terminating in a long rapid at the head. Below the foot of the rapid the water deepened into an eddy with many submerged boulders on my side, and the main current swerved toward the far bank, which made casting difficult with a solid bank of trees behind me. I took one fair rainbow from mid stream, and then picked my way cautiously from one underwater boulder to another until I could reach the far side of the main current with my fly. It was necessary to cast almost directly across the current, which made it a difficult problem to overcome drag, but by employing a right curve cast, the fly was enabled to float naturally for about two yards.

But it never got that far, for with a splash it disappeared as the tail of a good rainbow smashed the surface. I had the exquisite pleasure of seeing him make two beautiful leaps down the current before it was all over, and I reeled in the slack line to examine the fly.

My next cast, in practically the same spot, caused another explosion, and again I was fast in a leaping, tearing rainbow. This time the book held in spite of the spectacular leaps and stubborn rushes, and some minutes later the net rose around a fourteen inch rainbow. Several more casts over the same current brought another stubborn rainbow, a shade larger, to net. Then the rises ceased.

By this time my creel felt comfortably heavy and my stomach uncomfortably empty, so I started up the track toward the car and home. Several hundred yards farther up the river I stopped to examine the current of an inviting rapid, and a minute later was back in the water.

In the chute at the head of this rapid, a pyramid shaped boulder split the current forming a long narrow eddy below it with fast water on either side. Some yards below, as the currents began to merge again tending to eliminate the eddy, another submerged boulder arrested them forming a deep pocket just above where the water swelled over it.

My first cast to this spot was short and was speedily whisked downstream. The next one was little better, for the fly had scarcely floated a foot before the line started dragging it away. Almost in the same instant, a rainbow so large that my heart nearly stopped beating at the sight of him, stuck his head and back out of the water missing the fly.

I had thought fourteen inch rainbows very creditable fish for this stream, but compared to this one, they were small trout. Marking the spot carefully, I retired to the shore, sat down and lighted my pipe to help pass the several minutes of suspense before again daring to cast for this fish. Then I carefully waded back to a more advantageous position from where I could float the fly over him for a longer period by employing the "loose cast." The fly floated prettily for perhaps a yard and then disappeared in a mighty swirl. My heart rose as I felt the hook snub on the strike, and then fell as the line came in slack a moment later. For a few moments I stood in a daze. Then a trickle of water down the back of my neck reminded me that the rain was coming down in sheets.

Reluctantly I climbed up the bank and walked back to the car. But the vision of this monster rainbow remained with me as a pleasant memory on the long drive home. To-day, months later, I need only close my eyes to see every current in the glorious rapid above them.

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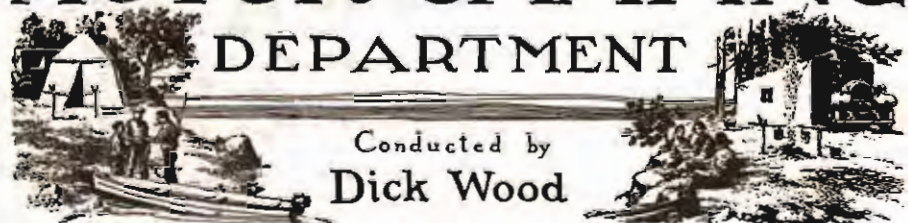
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Into the West

By Dick Wood

EVERY confirmed motor camper and tourist sooner or later succumbs to the lure of the Far West. Since the days of the gold rush of '49, and the long covered wagon treks across the Plains, this scenic play-ground has beckoned to hundreds of thousands of outdoor lovers, and in most instances the call has been heeded.

Now it is no longer necessary to suffer the hardships of desert travel, and touring over roadless country to reach this sportsmen's mecca. There are several all-year transcontinental highways that are maintained in good shape by state highway departments friendly to the rolling army of tourists. The past year or two has seen many missing links in these ocean-to-ocean highways connected.

When the East decides to meet the West, so far away, and yet so near—by auto—there is usually much planning, outfitting and anticipation. Even though fast drivers have crossed the continent by auto in less than a week's time, few of us are Cannonball Bakers, and we prefer to loaf along, taking two or three weeks for the trip across. To most of us this means a long time from home, so that more than ordinary care should be taken in equipping for the entourage, and in planning the itinerary, to insure a successful trip.

In deciding on the route to take to reach the golden Far West, a glance at any reliable automobile highway map will show that there are five or six possible

to the possibility of snow-filled passes in the mountains. Generally, snow plows keep most of these transcontinental routes open the year round, but there is always the possibility of getting snowed in by a sudden blizzard.

The southernmost route, The Old Spanish Trail, extends from St. Augustine, Florida, to San Diego, California, a distance of nearly three thousand miles. Only a few years ago there were many miles of toll bridges and ferries on this route, so that the combined toll amounted to almost as much as the gasoline bill for the entire trip. However, these ferries are being rapidly replaced by bridges, fills and alternate routes, so that the Old Spanish Trail is now an all-year route, with most of the distance surfaced.

The next nearest southern route is the Lee Highway from New York to San Diego by way of the Shenandoah Valley of Virginia, Chattanooga and Memphis, Tennessee, Little Rock and the Southwest.

The National Old Trails, starting at Baltimore, Maryland, might be classified as a central route as far as Kansas City, as it deviates little from a straight line between these cities, but at this metropolis of the Central West, the N. O. T. takes a dive southwesterly for Trinidad, Flagstaff and other southwestern towns, terminating at Los Angeles. It is also in good condition the year round, being paved practically all the way to Kansas City and



On Two-Medicine Lake, Glacier National Park.

transcontinental trails. The Theodore Roosevelt International Highway closely parallels the Canadian border much of its distance between Portland, Maine, and Portland, Oregon. No experienced motor tripper would attempt to negotiate this highway before June or after August due

gravelled or paved the rest of the distance.

The most direct route across the continent is the Lincoln Highway, extending from New York to San Francisco, a distance of 3,323 miles. Most of this highway is now in excellent condition, and the tourist is not apt to encounter road trouble

except during the mid winter months.

Between the Lincoln and the northernmost highways is the Yellowstone Trail, leading from Plymouth, Mass., to Seattle, via Albany, Utica, Rochester, Erie, Cleveland, Chicago, Milwaukee, St. Paul, Billings, Butte and Spokane, a distance of 3,594 miles.

While these are the major motor trails leading to the glorious Far West, there are other enticing parallel roads, and I doubt that any motorist follows exactly the highway he starts out to traverse. In fact, I advise supplementing Blue Book or other printed road data with frequent inquiries enroute, as by so doing many uncomfortable detours, and pieces of road temporarily out of order may be avoided. Most tourists will elect to go by a northern route and return over a southern highway, or vice versa, depending on the season the trip is started. While I believe the two most northern routes hold out more inducements to sportsmen and scenery loving tourists, it would not be advisable to tackle these trails before May or June.

Outfitting the car or camp trailer for a trip to the Far West is in itself an adventure. Obviously the motor camper should check over his equipment to obviate the chance of becoming stranded on one of the long stretches between ranches in the West. Whatever dunnage has been found adequate for trips in the East will suffice for the long tour, perhaps, with a few additions. One must reckon on the cool nights in the high altitudes. Featherdown or kapo sleeping bags will be mighty welcome at higher altitudes than five thousand feet. If blankets are used, they should be of the soft, fluffy all-wool sort, and allow four to six for each bed. Some campers convert blankets into sleeping bags by pinning them together with the large horse-blanket safety pins, procurable from outfitters.

A gasoline cook stove is one of the necessities. Many camp grounds do not afford wood for outdoor fires, and there are places on the plains and deserts where wood is never obtainable. Of course, there are many places in the National Parks and Forests and open spaces in the West where fire wood is abundant, and the camper can give his gas vapor stove a rest, if he must resort to outdoor cooking.

In the well watered East, water containers are often considered superfluous by motor campers. In the West, good water is not only far apart, but both car and tourists will require twice the quantity per day consumed any day on an Eastern tour. So be sure to include water containers and plenty of them in your outfit. To supplement a gallon size thermos jug or kitchenette tank, nothing is so convenient as the desert water bags. They are in universal use in the West. These bags may be procured from outfitters, and in various sizes from 1½ gallons to 5 gallons. Two or three two gallon bags are, perhaps, the handiest to carry as they can be tied to car door handles. By all means carry a thermos jug for keeping cold a day's supply of drinking water. An additional jug or two quart bottles are worth taking for keeping milk fresh and cool on the road.

Tourists owning camp trailers need not hesitate about starting to the Far West with them. The heaviest makes of trailers have been hauled from coast to coast and back again by the old style Ford car. Since most cars are now of the six cylinder type, stepped up considerably in power over previous models, and equipped with four wheel brakes, the camp trailer does not present any problem at all. Of course, due care will have to be used in traversing some of the by-trails in the National Parks, and if caught in a rain on a gumho mud road, it is a matter of discretion to

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wait for a day of sunshine, when one can proceed in safety.

Most easterners trekking westward for the first time will be tempted to tarry along the way. There are the "ten thousand" lakes of Minnesota, teeming with gamey fish, and bordered by a sloping shore, affording ideal camp-sites. A few miles farther west are the many attractions of the scenic Black Hills, not least of which are numerous trout-streams of Coolidge fame.

Thus directly in the trail looms the Yellowstone Park—an attraction that no tourist will willingly pass up, or should. By all means plan to include this spot in your itinerary. The entrance fee lately has been reduced to a negligible sum, and the place once known as "Colter's Hell" will keep one interested for a week or a month. The streams are well stocked with trout, and fishing is permitted. The park roads are generally in good condition but narrow in places and some of them are one way trails. There are a few simple Park regulations to observe, such as giving the right-o'-way to cars coming down hill, leaving no refuse on the camp grounds, and camping only on designated sites.

Motorists carrying guns and entering Yellowstone Park will get the arms sealed by Park officials, and it is an offense to break the seal before leaving the Park. In this connection, it is well to remember that California has a law prohibiting the carrying of fire-arms in a car, except for protection, when a permit is secured from a sheriff or chief of police, by showing the proper credentials. The writer dares to venture that this law is violated almost as much as the Volstead act in the same state, since hunters have a right to travel by motor car, and to hunt they must have arms.

There are other laws in the various states that motorists should familiarize themselves with before starting on the trip west. Since I cannot give a digest of the laws affecting motorists in all states, I will say this information can be secured from the state motor vehicle commissioners, addressed at the state capitols.

In general, the tourist who has on his car two headlights, bright and dim, a tail light, up to date license plates, and trailer license (if required by his home state) and observes the speed laws, will get by anywhere. Some of the states require the non-resident to register his car on entering the state. Minnesota is one of them and a 60 day permit is given. The tourist entering California must register within ten days, and he may remain in the state six months before it becomes necessary to purchase a California license. Oregon requires registration within 72 hours after entering the state, and a permit for 90 days is given. Washington state does not require non-residents to register. There is no charge in connection with these permits.

It is well to remember that California has a law prohibiting the tourist from carrying camp duffel protruding more than six inches on the right runningboard, and beyond the hub caps on the left runningboard. The motor camper who starts out to do the Far West with a trunk or kitchenette violating this regulation will either be barred from the state of California, or will be inconvenienced by having to re-pack his equipment. In many cases it might be necessary to have to discard a much needed article, so get your duffel packed right on the car before leaving home. The tourist must be on the right side of the law in case of an accident on the road among strangers.

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know of a single highway in the East which offers half so many attractions as this Pacific route. Starting at the historic city of San Diego, where the mission of De Alcala was founded in 1769, the tourist will find the forty-three miles to Ocean-side extremely interesting. Between La Jolla and Del Mar are the Torrey Pines located on the rugged Pacific coast, and adding so much to the picturesque landscapes.

The highway continues to skirt the shore of the blue Pacific as far as Serra, where it turns inland to the San Juan mission, dedicated in 1798, and said to be the richest of all the missions. The highway now traverses a rich farming and citrus fruit country, paralleling the Santa Fe railway all the way to Santa Ana. This distance of fifty-four miles, all macadam will be clipped off in less than two hours. The remaining thirty-five miles to Los Angeles is also macadam. At Whittier is located the old home of Governor Pio Pico, a Spanish ruler when the state was under Mexican control. It is a relic of the past of interest to most tourists.

The sportsmen should not hasten through Southern California. Between Los Angeles and San Diego there are wonderful bathing beaches, fishing resorts and camp sites. Cottages may be rented by those who wish to locate on a beach for the winter months.

Between Los Angeles and Ventura there are three alternative routes, and as all are paved all the way, with no difficult grades to encounter, it is up to the tourist to choose his route. All are scenic highways. The one by Piru is eleven miles the longest but it passes the ranch home of Ramona, one of the country's most famous heroines, as an inducement for making this extra mileage.

In Ventura is the mission of San Buena Ventura, now in a good state of preservation. Here the highway again flanks the Pacific for the next 58 miles to Gaviota, amid scenery that baffles description. There is another interesting mission at Santa Barbara, the town celebrated by Dana's "Two Years Before A Mast." Vasquez, the notorious bandit, once roamed this territory, hiding out on the summit of Gaviota Pass.

From Buellton north the route traverses mountain and valley, passing several other missions, more or less in decay. At Pismo Beach is one of the three longest and finest bathing beaches in the country, which is thronged during the summer season.

The next 130 miles takes one to Salinas through a varied scenic country of mountains, valleys, by ranches, ancient missions, and modern farms, dairies and orchards. The tourist who makes this trip when the trees are in bloom will never forget the ride through such a land of enchantment. The next fifty-seven and one-half miles to San Jose continues to be pavement in excellent condition, with another mission the attraction at this burg. Here the highway again branches in leading to San Francisco, and pavement continues both ways.

San Francisco is undoubtedly one of the three most interesting cities in the United States, and while the tourist may motor around it if he desires, I believe the majority will prefer to "do" the town. Every one has heard of the Golden Gate, the great harbor, China town, and knows that Bret Harte, Ambrose Bierce, John Muir and other famous authors lived in this historical city. In leaving the city, one can ferry across the bay to Oakland or take the steamer to Valle Jo, and he can pass up San Francisco by taking the short cut between San Jose and Stockton and proceed to Sacramento and thence northward.

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the day should find himself around Yreka by night, after covering a distance of 311 miles. The highway continues to be pavement, bisecting scenic mountainous and rolling country. Many of the towns passed sprang up during the gold rush days of '49. Just south of Weed, Mt. Shasta, 14,380 feet above sea level will be passed. This huge volcanic mountain seventeen miles in diameter is alone worth a trip west.

From Yreka it is only twenty-four and one-half miles to the Oregon line, and soon after crossing, the motorist tops the Siskiyou Mts. at an elevation of 4,516 feet above sea level. At the next town, Ashland, there is a model camp ground for motor campers. In fact all along this highway are located well equipped public camp grounds, most of them operating on a fifty cent fee basis.

The rest of the trip to Seattle, a distance of 562½ miles, I shall not describe in detail. The Pacific Highway is practically all pavement, and this section traversing Oregon and Washington is scenic all the way, the road being bordered by towering mountains, long slopes of forests, or immense orchards. Most of this country is of historic interest, having been visited by such intrepid explorers as Lewis and Clark, Jedediah S. Smith, who discovered the Rogue River in 1828, and Gen. John C. Fremont.

The tourist entering the Pacific Highway in the Northwest will likely come through Spokane or Walla Walla. The sportsman should route himself through the wilds of Idaho, claimed by many hunters to be the best big game state in the Union at the present time. By all means, try to make the big Pendleton, Oregon, Round-Up the third week in every September. In 1925 this famous rodeo was attended by 92,000 persons.

As many readers will recall, the first two white women to cross the continent, the wife of missionary Whitman, and Mrs. Spalding, settled six miles west of Walla Walla, where they were massacred by Indians in 1847. Between Bend and The Dalles, the motorist tops a ridge and views at one time the snow-clad peaks of Mt. Hood, Washington, Adams, Jefferson, Diamond Peak. The Three Sisters and Maiden Peak, as well as three other snow-capped peaks not named—in all twelve massive rock, snow and glacier spires keeping watch over the Pacific.

Between Portland and The Dalles is the ninety mile scenic Columbia River Highway, following the south bank of this historic stream. The highway is not only a remarkable piece of construction work, admired by eminent engineers, but the scenery rivals anything in the Alps, Switzerland, or Italy.

The Pacific coast tourist has the opportunity to visit six National parks, in addition to Lake Tahoe, which is an attraction worth the time to see. No visitor to Tacoma should miss seeing Mt. Ranier National Park, which is seventy-two and one-half miles distant, and is open from June 15th to Sept. 15th. This park has an area of 324 square miles and there are 48 square miles of ice formation ranging from 50 to 500 feet thick. The scenic features are enhanced by a profusion of wild flowers said to rival any similar display in the world. The road to this park is macadam. Crater Lake National Park is reached by turning east on a gravelled road seven miles south of Ashland or northeast from Medford if coming north. Its greatest attraction is Crater Lake, occupying the crater of an extinct volcano. The depth is 2,000 feet, the diameter six miles, and the lava rim is sculptured into many fantastic shapes. There is an auto road around the rim. Persons can take the trail down to the water. During the summer season, a

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boat takes passengers around the lake for sight-seeing purposes. There is an entrance fee of \$2.50 per car, and the season usually lasts only between July 1st and Sept. 30th.

OUR FIRST WHITE WATER

By H. S. PARKER

GRANDPA was keeping out of mischief by sawing up some extra hard seasoned oak from a blow-down of a year before—and then splitting it—and the "missus" was amusing herself loading a kitchen stove that we had just sold, onto a truck—and I too was hard at work trying to think up something in the way of "real sport"—when a bright idea hit me in the head.

It had rained steadily for four days—not a letup during all that time. April is "weezy" we all know but this was just a "pilin' of it on" and the brooks were getting out of bounds and noisy. The ponds must be plumb full by this time, I thought, and then the "idea" hit me. Why not take my 14-ft. birch canoe up to Lily Pond and make a trip via the big cedar swamp down the river to salt water? If the thing could be done it was right now. So far as I knew nobody had ever accomplished this and I was ambitious to be the first one to go through. I stepped to the 'phone and called up A. P. He thought well of the scheme too. We would put the birch on a wagon, team up to the pond, launch it and then trust to luck to see us through safely. The actual canoe trip would mean a distance of a trifle less than five miles but if the river was in flood (and it surely was) it would mean some "white water" to navigate before we finished or the river "finished" us.

"I'm with you," said A. P. "If we can't get through on this water we never can, that's sure." He had a good deal of faith in my ability as a riverman and canoeist—more than was justified under the circumstances I felt. If we came to grief in the rapids—well, I presumed I would just naturally have to find an excuse for the misfortune (if we survived) and blame it on the canoe or to a misunderstanding of signals—anything constituting an alibi would answer providing anybody cared to listen. As we drove down to the shores on the pond A. P. remarked that it was "some full pond" and he was right. The fourth day of downpour had raised the water level to an unprecedented height and we both had a presentment that, barring an accident on the river on the other side of the swamp, we would yet make the trip.

We took the canoe from the wagon and launched it. Aside from our paddles and about ten yards of mooring rope A. P. and I constituted the entire cargo. If we met with a disaster in the rapids it would mean only the loss of the canoe and paddles and possibly our lives and nothing much else. Anyhow, it was worth the attempt, we thought.

Paddling quickly across the pond we entered on the South side the great cedar swamp ordinarily at this time of the year quite impassable on account of treacherous underfooting and mud holes. The freshet had overflowed this area to a depth of fully three or four feet and there was a pronounced current towards the South or meadows beyond. On emerging from the swamp what a sight met our view. The meadows looked like a vast lake and stone walls and fences on the distant hillsides were merged in the flood and disappeared under the waters. Here again the current was plainly to our left (East) and we paddled without hindrance over fences and stone walls plainly to be seen beneath us. The narrow river was somewhere ahead that we knew, but on a flood like this it was a question of "where do we hit it?"

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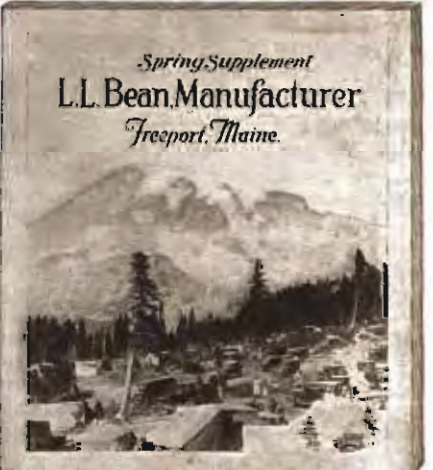
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The alders and swamp maples bending to the current indicated where it might be found and a little exploration soon located the faster water—the river itself. Down the foam streaked surface we went dipping our paddles only enough to maintain direction. This was an unknown canoeing water to us and we were in no hurry to round successive bends—they would be alongside soon enough. And what was that? A muffled roar ahead that rose and fell on the air! The water was faster now and it was high time to get to the bank, go ashore and see what the river below looked like.

A. P. got out, made the canoe fast and disappeared among the trees lining the bank. Thinking that I would prefer first-hand information concerning the rapids, if we were to run through them, I followed him. Clinging to the alders and maples I made my way carefully along the bank and finally overtook A. P. He was gazing at the crest of the rapids and did not hear my approach. "Some fast water there" I yelled to him, and he nodded assent. The spectacle was not exactly reassuring to amateur canoeists and the uproar was deafening. The stream here was about fifty feet wide, the banks steep and densely bushed with alders and willows. The water swirled past in a torrent to the crest of the falls where it broke into white spray in its descent of about one-hundred yards to a large deep pool below. The declination of these falls was fully thirty degrees and the spume flew high in the air from some submerged rocks of which we made careful note.

We "had come and we had seen"—it remained only for us to "conquer"—we had come for that purpose. Into the canoe we got and shoved off into the stream above the rapids. We had removed hats, shoes, stockings and coats—an upset in the fast water would be no joke but we were now in the grasp of the swift current and there was no turning back or getting to the bank had we wanted to do so.

The saying "It won't be long now" hadn't been coined at that time but I inwardly had a presentment that a very few moments would develop success or failure for us and our trip. Over the brink and down into the maelstrom of foam and waves we plunged. I held the stern paddle but it was of little use excepting to keep the canoe on its course or as nearly as possible in the middle of the falls. It was soon over—we emerged from the descent with one grand plunge which "hogged" the bow well under water and deluged A. P. as it nearly filled the birch. Thankful to have come through safely we at once started for the shore of the pool to empty the canoe of water shipped and to wring out our wet clothing. Standing on the banks of the pool, viewing the white waters above us and listening to the roar of the torrent, we surely felt proud that we had been the first ever known to have come through these waters in a canoe or craft of any kind.

IF YOU are an amateur at the game and are ambitious to climb mountains, make it a point to go with somebody who knows the sport and who is acquainted with the particular terrain you wish to ascend. Mountain climbing to some persons seems to be simple enough but the experienced mountaineer knows that emergencies are apt to arise and that they call for quick and accurate solution. In the East, within the last few years we have chronicled the death of at least two young men (college students) who perished on the mountains, victims of their own inexperience at the game. Inclement weather on the heights should be anticipated always in order to prevent unnecessary hardship and perhaps even death.

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The Cutts Compensator

BY WILLIS O. C. ELLIS

BY THIS time a great many NATIONAL SPORTSMAN readers have no doubt heard about the Cutts Compensator; doubtless many more have never heard of such a device; so I believe that an article devoted to this really remarkable firearms auxiliary will prove both interesting and instructive.

Colonel Richard M. Cutts, of the U. S. Marine Corps, invented the new device. I spent many pleasant and profitable hours with him at the Skeet Field at Camp Perry, Ohio, last fall (1928), and had the pleasure of examining the compensator and firing the Colonel's No. 7 Ithaca trap gun to which the Compensator was fitted. I also saw several rifles fitted with the Compensator.

Colonel Cutts is one of the most affable men I have ever met. Large of stature, kindly, warm-hearted, always ready to answer any questions asked him, he has a frankness of expression that impresses you with his sincerity. I do not believe that he is barking up the wrong tree. He believes in his invention with all his heart. He will make it go. He asks no one to believe anything about his Compensator that he cannot prove. And during the National Rifle Matches last fall he demonstrated to a great many army men, civilian rifle shooters and shotgun devotees, that the Compensator would do all he claimed for it.

Up to the present time the Compensator has been tried out on hand operated and automatic firearms, up to and including the 105 MM howitzer. Where its field of usefulness will stop is not yet known.

The Compensator Was originally de-

signed of its wild retreat. However, since I have first-hand information only on the Compensator as applied to shotguns, I shall confine myself to this arm.

To make a long story short there has been no great advancement in shotgun boring for a great many years. New shot shells of great merit have been brought out, but the boring of the shotgun barrel remains where it has been for a long time. But with the compensated shotgun we are going to get results that have been heretofore thought impossible. With the Compensator all will be changed.

Briefly, the Compensator, as applied to shotguns, is a steel tube 6 or 7 inches long, the body of which is somewhat larger in diameter than the barrel of the gun. The new device is attached to the barrel at the factory, and much better results will be obtained by buying a new barrel equipped with the Compensator than by having the Compensator attached to an old barrel. Before fitting the Compensator the barrel is cut down to 24 inches so that the normal length is around 30 inches as usual. The Compensator does not increase the weight or disturb the balance of the gun.

On either side of the Compensator are a number of vertical slots through which the powder gases escape when the shot emerge from the barrel of the gun. The action of the powder gases when passing through these slots, or ports (sometimes called counter-recoil ports), tends to lift the gun away from the shoulder with the result that recoil is reduced to a negligible degree. The gases escaping through the Compensator also eliminate the disturbing muzzle jump. Firing the compensated gun



The Cutts Compensator mounted on a high grade Ithaca trap gun.

signed and developed for military firearms. It is claimed that a compensated new Springfield rifle (Springfield fitted with Compensator), has about the same recoil as a .25-20, and there is little if any jump to the barrel at the moment of firing. This means that infantry equipped with compensated rifles will have an increased speed of firing with much better accuracy, with practically the elimination of recoil fatigue.

The same is true of hunters using powerful rifles. With recoil and jump reduced to a negligible degree, it is possible to repeat shots instantly and with great accuracy, which often means the bagging of game that might otherwise escape for the time to die a terrible death in the fastness

at the Camp Perry Skeet field, I was able to call every shot, due to the absence of jump, and I broke every target at which I fired. The usual muzzle "bounce" simply was not there. Also the recoil was so slight that I did not notice it.

To prove to me how very much the recoil was actually reduced, Colonel Cutts loaded the gun with a standard trap load, laid the fore-end of the gun in his left hand, and lightly grasping the stock with his right hand pressed the trigger, while I place my hand (back to the gun) between the stock and his shoulder. The sharp recoil was gone; only a mere push was felt.

The reduction of recoil is of great importance to the Skeet shooter who must

call for the target before placing the gun to his shoulder. This form of shooting, like civil service post office examinations, calls for speedy, accurate work. The gun is thrown to the shoulder and fired quickly. Shooting under these conditions recoil is more noticeable than in regular trap shooting which permits the bedding of the gun to the shoulder before calling for the bird. The reduction in recoil fatigue is of great importance to all shotgun shooters who are often called upon to fire long series of shots.

The end of the Compensator is threaded to receive the Pattern Tubes of which there are five. It is the tube secured to the Compensator, and not the boring of the barrel, that controls the pattern. Any tube may be screwed into place giving the correct degree of choke for the shooting at hand. Roughly speaking, these pattern tubes correspond to super-choke (a closeness of pattern that cannot be obtained with known systems of boring), choke, modified, improved cylinder, and super-cylinder which is here meant an opening up of the pattern for close work that is not possible with present barrel-boring methods.

Of course, the Colonel told me about these Pattern Tubes, how they worked, etc., but he did not ask me to take his word. We went over to the Erie Proving Ground fence, pinned up large sheets of paper and shot the tubes for pattern. They did all the inventor claimed and more. But Colonel Cutts was not going to leave me with theory and demonstrated patterns. We went back to the Skeet traps and here was given an actual demonstration how the Compensated shotgun would perform on clay birds.

I was particularly interested in the short range demonstration. A high grade double gun with right barrel improved cylinder bore was used at 15 yards, admittedly close for a shotgun, and the pattern noticed. The most open pattern tube was affixed to the Compensator and patterns made at 15 yards. The patterns made with the compensated gun were several inches larger in diameter than those made with the uncompensated double gun, and the shot mightily evenly distributed. In fact at all the different ranges at which the compensated gun was fired, the pattern sheets showed a wonderfully even spread of shot—no bunching of shot or holes that game might slip through. And the pattern percentage was considerably higher than patterns made with the ordinary shotgun.

Briefly, the actions of the full choked shotgun and the compensated shotgun are as follows. When a shell is fired in an ordinary shotgun, some of the powder gases escape past the wads and take refuge in the spaces between the shot. Naturally, this gas is under pressure but is held in check by the shot and walls of the barrel. When the shot clear the muzzle of the gun, this gas suddenly expands and imparts small outward velocity to some of the shot, many of which fly off at a tangent and never reach the target. Naturally, the heavier the powder charge the greater the amount of gas that escapes past the wads and mixes with the shot. This is why excessive powder charges and poorly balanced loads often give *blown* patterns, the patterns being spoiled by the expansive action of the gases among the shot and the action of the wads against the shot column, when the shot clear the muzzle of the gun. In addition to this there must be also added the disturbing effect caused by the upward movement (jump) of the gun.

In the compensated shotgun all is changed. The higher the velocity of the shot the denser the pattern. This is just opposite to the action of the ordinary shotgun where heavy powder charges often lead to blown, patchy and reduced patterns,



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(3) (a) Which do you prefer, a sheath knife or a knife with folding blade. (b) How about the handle, should it be stag or leather?

(4) For all-round use which do you prefer on a .22-caliber rifle, a tang sight or a receiver sight?

ANSWERS

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(3) (a) This is largely a matter of personal preference. I use both, but most of the time I carry a heavy knife with two blades, there being a hole through the handle for tying it to the trousers. Either type is good. (b) Handles of checked wood or stag are usually preferred to those of leather.

(4) The tang sight.

QUESTIONS

(1) When hunting in rough mountainous country and using a rifle equipped with a telescope sight, should the sight be attached to the rifle all the time, or removed when climbing and then replaced on the gun when one is about to shoot?

(2) What kind of reticule should a target scope have? A hunting scope?

(3) What does a good hunting scope cost?

(4) Can the hunting scope be used in foggy weather?

(5) Will the recoil of a high power rifle injure a scope?

ANSWERS

(1) Nearly all agree that the scope sight should be so mounted that it may be detached and attached quickly to the gun, and that it should be carried in a strong leather case when stalking game, and then slipped on the rifle when in shooting distance. When hunting in rough country, one is nearly certain to injure any scope sight if it is kept on the gun all the time.

(2) A post with narrow pointed top for game, a wider post with flat top for target shooting.

(3) From \$25 to \$40, mounts extra.

(4) No. A scope sight is no good in a fog. It is at its best in fine clear weather. It is due largely to this reason that the hunting scope is so effective in the clear rare air of the mountains.

(5) No. Both scope and mounts are made to withstand the jar of recoil. Modern scopes and mounts are much stronger than formerly.

QUESTIONS

(1) I wish to purchase a gun sling. This will not be used to steady the gun when aiming, but solely for carrying the rifle. What kind of a sling should I get?

(2) Is the .250-3000 cartridge a good one for reloading with either both full power and reduced loads?

(3) Which would be the better for deer and black bear, the .22 Hi-Power or the .250-3000?

ANSWERS

(1) I have always thought that the regulation gun sling was unnecessarily heavy for merely carrying the rifle. For this purpose I use a tan leather strap 3/4-inch wide, with a buckle for adjusting the length. It carries two swivel-hooks that connect with screw-eyes on the gun. The weight is only 3 ounces.

(2) Yes. One of the best.

(3) The .250-3000.

QUESTIONS

(1) Kindly give me some data on the .270 Winchester cartridge. Is this a good cartridge on big game and does it have a flat trajectory?

(2) If the bore of a rifle is cleaned after being used with non-corrosive cartridges, will it rust if not protected with grease or oil?

(3) What is the cause of excessive headspace in high power bolt guns?

(4) What is the best way to remove a stuck patch in the bore of a .22-caliber rifle?

ANSWERS

(1) The .270 Winchester is a very fine big game cartridge, particularly where long shots are taken over unknown ranges. The bullet, though weighing only 130 grains, holds together well and gives deep penetration. The muzzle velocity is 3,100 feet, seconds, and the muzzle energy 2,880 ft. pounds. It boasts of only a 2-inch trajectory at 200 yards, 4.5 inches at 300 yards. It is fine for wolf and coyote shooting, and for big game. It is a very accurate cartridge and will make from 2 to 2 1/2 inch groups at 100 yards.

(2) Yes. In order to get the benefit of the non-corrosive priming, no cleaning whatever should be done. If you wipe out the protective coating these cartridges leave in the bore, the barrel will rust. When cleaning is done, be sure to protect the bore with a good oil solvent or grease.

(3) The continuous backward thrust of the shells against the bolt at the time of firing. In time, this will set back the lugs, increasing the headspace and causing the lugs to become brit-

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tie (crystallize) and maybe break off, stirring up a lot of trouble in the immediate vicinity of the shooter's face.

The trouble caused by excessive headspace is rare, and if the rifle has the correct headspace when new, and all good guns have, the average shooter will never fire his gun enough to cause headspace trouble. Always use the bolt that came with your gun. Never trade it for another. Bolts are ground to fit the particular rifles in which they are used.

(4) Soak the patch for 3 or 4 hours with kerosene. Then get a piece of drill rod that will just enter the bore. File one end perfectly flat. This end goes against the patch and there will be no tendency for the rod to wedge between the obstruction and the barrel. Drive the patch out at the end of the barrel to which it is nearest. Strike the rod with quick, sharp blows.

DUCKS, PHEASANTS, SOUTH DAKOTA

Editor, National Sportsman:

I WISH some of the brother South Dakotans would send in a story or two.

It isn't that we don't have anything to write about 'cause we have.

For fish we have Trout (found in the Black Hills) Pickerel, Bass, Crappie and Perch. In the fall we have very good duck shooting unless it is unusually cold and snowy. But those old Greenhead daddy mallards will find the corn fields where there is a little shelled corn and believe it or not you sure can get mallards when the wind's going south with a little snow mixed in for company.

And pheasants; say, they are sure plentiful. The more you shoot the thicker they get. In a few more years if they continue increasing as they have in the past we won't know what to do with them. We have all the way from three days to two weeks' season to hunt them in allowing 3 cock pheasants to one person a day.

Well I must close and wish the best magazine the best of luck.

Sincerely yours,
J. ERVIN BOYD.
Lake County, S. Dakota.

A SPORTSMAN IN THE MAKING

Dear Uncle Jed:

I AM sending my application for membership in the Junior Camp as I am anxious to become a member. My Daddy takes the NATIONAL SPORTSMAN and HUNTING AND FISHING and I enjoy reading them.

I am just eight years old but will be nine next November. My Dad is teaching me to be a sportsman. He has lots of shotguns and rifles and we have four pointers. When I get a little older he is going to take me quail hunting with him and also to hunt wild geese and ducks. He has already given me a Winchester Model 02 twenty-two rifle and this Summer I have been shooting at targets.

Daddy, mother and my two little sisters went in our auto to Vandermere, N. C., about three weeks ago and hired a gasoline boat and guide and went fishing in Bay River. It is a right big river, two or three miles wide at some places. We caught 40 or 50 fish. I caught the first fish that was caught and this made me feel good. Your friend,

R. K. ADAMS, JR.
Raleigh, N. C.

TROUT AND SALMON—BIG—BIGGER—BIGGEST!

Editor, National Sportsman:

I DON'T know if you are the same one who was editor of NATIONAL SPORTSMAN 23 or 24 years ago. If you are you may remember that it is a long time since I wrote an article for NATIONAL SPORTSMAN, 1904 or 1905, from the Flathead country of Montana, and while I have enjoyed some wonderful hunting and fishing since

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then, I have never taken the trouble to write of it. So here goes:

First I want to make the statement that for the last year and a half I have and still am located in some of the finest fishing country in the U. S. today.

Did you ever hook into a Royal Chinook salmon, from 20 lbs. up on a casting outfit in stream fishing and have him hit for swift water? Or a silverside? Or a fresh water tiger, commonly called the Steelhead of from 10 to 20 lbs.? All these kinds of fish in the same stream and four such streams within a radius of three or four miles from Tillamook. These fish start running later part of September. First come the Jack's or male salmon, in both the Silverside and Chinook, then come the big run of larger fish both sexes up to 50 or 60 lbs. caught on spinners and salmon eggs, and along about November comes the Steelhead taken on eggs and once in a while on spinners. The fall run of Chinook and Silverside ends about Dec. 1 and the Steelhead about first of March or middle of February in the Trask, Wilson and Tillamook rivers. With a spring run of Steelhead in the Kilchies river about first of or middle of March. Then there is a spring run of Chinook in Trask and Wilson, about May taken on spinner and eggs. As for trout in all four streams they can be taken all the year around in tidewater, and above tidewater from April 15 to Dec. 1.

The common and mostly used tackle here is a one piece rod about 5 to 7 ounces of bamboo, average 5½ feet long, reel that will hold 75 yards of 24 lb. test line or 50 yards of 30 to 38 lbs.-test, gut leader several pounds lighter than line. The largest one I caught this year lacked 2 ounces of weighing 39 lbs., a Chinook, took me about 45 minutes to land to gaff, using a Marhoff reel, 38 lb.-test line and 26 lb.-test leader with a Mustad No. 1 double hook, rod, reel and line were Shakespeare. How would you like to try some of this fishing? The Steelhead is called by some a sea-going-rainbow, and he sure battles and acts like a rainbow, too, all fight. We have a world's famous Steelhead stream here called the Rogue River farther south, where they catch Steelhead on a fly and spinner, but the

Steelhead here are a fall and winter fish, and run very much larger than there, and will not take a fly. The trout fishing is wonderful in the summer and fall months. Guess I had better ring off.

Yours for hunting and fishing,
HARRY MOORE.

Tillamook, Oregon.

HERE'S A STRANGE ONE!

GAINESVILLE, Florida (Special)— Boy, page Mr. Robert Louis Stevenson! The University of Florida, located here, has his twentieth century counterpart, Professor A. M. Skellett, who seeks buried treasure by radio!

A short time ago, Charles R. Enlow, a colleague of Professor Skellett in the college of engineering at the University, lost a Johnson outboard motor in Orange Lake, 18 miles south of here.

Professor Skellett, who is also an electrical engineer for radio station WRUF, devised a strictly scientific scheme for recovering the lost outboard. He decided to use radio waves, and contrived an electrical apparatus somewhat similar to an amateur's radio sending set.

Armed with their "treasure hunter" they motored to Orange Lake and took a boat to the approximate spot where the motor took its plunge.

The apparatus was lowered into the lake and the electric current turned on. A meter was also lowered to record the strength of the current. As soon as the hunters neared the submerged motor, the meter reading dropped off, due to the fact that the motor absorbed more of the electric current than did the sandy bottom. The motor was recovered and was soon running again, none the worse for its bath.

Since word of Professor Skellett's invention has spread about, he has had numerous offers from individuals asking him to help them seek buried treasure!

IN BOTH summer and winter camping be sure to lay in a supply of fire-wood at night in preparation for tomorrow's breakfast. A rain or snowfall may interfere seriously with the morning's cooking and make everything disagreeable for the one who has to sally forth to cut firewood in the "gray morning."

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Address Skeet Editor, *National Sportsman*, 108 Massachusetts Ave., Boston, Mass.

SKEET RULE, No. 5

By W. H. FOSTER

The First of a Series of Skeet Problem Discussions by the President of the National Skeet Shooter's Association.

OF all the questions that come to the National Skeet Shooting Association regarding the sport of Skeet, the one bearing on the proper position for the shooter to take in Skeet shooting is the most common. This is, perhaps, because the proper position is hard to describe, there being a certain latitude that must be recognized in the shooting positions of different men. So many questions have come to the association asking for a more complete analysis of this question that a few words at this time may not be amiss.

Rule No. 5 as it appears in the rules and regulations of Skeet reads as follows:

"The shooter shall not raise his gun to his shoulder until after calling 'Mark.' While it is understood that the field positions may vary, the referee shall disqualify any shot where the shooter raises his gun before ordering the target or assumes a position before ordering the target that, in the judgment of the referee, appears to be nearer the shooting position than the informal field position."

It is obviously difficult to define what the "informal" position is, and this rule leaves a great deal to the judgment of the referee, and quite often, a question in the minds of the contestants.

In order to aid referees and to help contestants to determine on this point, we can best take the situation and



The writer, on the left, and Dr. James S. Goodwin, on the right, ready for a flock of Hungarian partridges to jump. There is a slight difference in position indicated in this picture, but nothing that would suggest a desire to raise the gun to the shoulder under these conditions.

handle it in terms of field shooting. Skeet is designed to furnish practice for the field shooter, and since it favors the field gun the handling of such a gun in the field position is obviously the only practical way to shoot Skeet. The question then arises as to what position the shooter would take if he were in the field under certain conditions. There have been those who question this point by saying that a man does not walk through the woods or fields hunting with his gun up to his shoulder ready to shoot. This is quite true. However, those who put it that way are missing the point.

The Skeet shooter, when he stands at a station and is ready to call for the target, is assuming exactly the same role that he would if he were standing

over a very reliable bird dog. He would know by the dog that a bird was sure to rise at a command from him that would make the dog step ahead and flush. The position of that bird, owing to the reliability of this dog, would also be known. The Skeet shooter is in exactly the same relative position. At Skeet he knows that there is a target and that it will appear at his command. He knows where it is coming from and where it is going. The conditions are similar to these where a reliable dog is pointing to the location of the bird, and the shooter knows that he can flush the bird when he wants it.

What position, then, would the shooter take under such conditions? Would he hold his gun up to his shoulder in the manner of the trap-shot? Would he cover up the foreground with his arms by holding the gun close to his shoulder? The answer as is worked out through the style naturally adopted by some of the best wingshots and proves that none of these things would be done. The shooter, even though he knew there was a live bird to be produced at his command and could even see it on the ground, would not raise his gun above an easy position where he could swing it up into line readily, and yet have the foreground clear for observation.

If the reader will study the two accompanying photographs carefully he will see exactly how this is. Neither of these photographs is posed. They are of three reliable field shots, in exactly the attitude they have taken naturally with the anticipation of birds rising at any instant. The first photograph shows Dr. J. S. Goodwin, the dog editor of *HUNTING & FISHING*, and the writer, standing behind two



The late Charles E. Davies, a wing-shot of extraordinary ability, waiting for a covey rise. Note the easy posture and the entire lack of inclination to raise the gun until the birds are seen. Mr. Davies' stance on the Skeet field was precisely the same as when game shooting.



SKEET

is the new, fascinating, all-year-round sport for shotgun shooters that has taken the country by storm.

There's a thrill in SKEET shooting, an element of uncertainty, a sporting risk that exists for the "champ" as well as the beginner. There's a newness that never wears off and the difference between the veterans and the dub is less noticeable than in other forms of clay pigeon shooting. SKEET gets you. It keeps you on your toes and as a training school, for field shooting it has no peer.

Henry E. Ahlin, President of the Everett, (Mass.) Gun Club says:—

"I have been interested in the gun clubs around Boston for 19 years and never have I seen so much interest and co-operation as has been the case since the inauguration of SKEET at our club. I have seen more shooters at our club in the last six months since we started Skeet shooting than I ever saw in the 18 years previous."

In shooting Skeet no special guns or shells are necessary.

Just get your favorite shotgun out of the closet and any odds and ends of shells you happen to have on hand, and with a few pals you can have an afternoon of real sport and fun.

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We will send two of these traps as a prize to anyone sending us 20 One-Year subscriptions to NATIONAL SPORTSMAN at \$1.00 each. Get busy to-day. Tell your pals about SKEET and ask them to subscribe for NATIONAL SPORTSMAN. In a few hours you can secure enough subscriptions to win these traps so that you can start Skeet shooting right away and have some fun.

Subscription Department

NATIONAL SPORTSMAN MAGAZINE

108 Massachusetts Ave. BOSTON, MASS.

pointing dogs on the Alberta prairies with a covey of Hungarians just ahead of the dogs. Dr. Goodwin holds his gun barrel nearly parallel with the ground, while the muzzle of the writer's gun is slightly elevated. However, neither shows any tendency to raise his gun to a shooting position, although both are aware that birds will take wing if one step more is taken in the direction of the pointing.

The second photograph shows the late Charles E. Davies, who was probably one of the smoothest and most finished field shots in the country, also as the Skeet booklet mentions, one of the pioneers of Skeet and a superior shot at that sport. Mr. Davies is standing behind three pointing dogs on quail in North Carolina. There is no indication of the idea that to raise the gun higher would facilitate getting on to a flying mark quickly. It should be borne in mind that various men will take different positions in what we call the "informal" shooting position, but there should be no great confusion between the variations of this position and the inclination to get the gun to the shoulder before the target is seen.

As a matter of fact, we strongly believe that to raise the gun to the shoulder, as does the trapshot, is an actual handicap in Skeet shooting. If this were not so, men such as you see in the photographs would have their guns almost at their eye level. To hear this statement out further, we would say that we have not yet seen a really good Skeet shot who raised his gun close to his eye level or to his shoulder before ordering the target. All the best shots keep their guns down fairly well, in the natural position, when the target is first seen they raise it in a sweeping curve to their eye level, aligning it as it comes up, and continuing the swing until after the target is shot at.

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Dec. 25, 1928—Fred Hollingshead, 19; Roy Hill, 18; Floyd Bly, 20; Lawrence Johns, 20; Everett Webb, 21; N. A. Lewin, 21; Wm. Gregory, Jr., 19; Geo. Murray, 17.

EVERETT SKEET CLUB, EVERETT, MASS.
Jan. 1, 1929—Dr. Merrill, 17, 16, 21; Bishop, 15, 13, 15, 10, 17, 12; Sneverly, 17, 17, 13; Miss Sneverly, 8, 7, 10; Carr, 13, 13, 12; Miss Carr, 8; Weeks, 12; J. Murphy, 3; Morse, 15, 13, 13, 17; Cushman, 21, 21, 16, 21, 21, 20; Guiles, 14, 12, 11; S. S. Smith, 18, 20, 20; W. B. White, 15; Wallace, 10, 19, 9; Savage, 13, 13, 16; Niblo, 18, 19; Baird, 19, 18, 22; M. Johnson, 24, 20, 23, 18, 22, 19, 21, 24, 19; Peterson, 24, 22, 23, 22, 23, 19, 20, 24; Hart, 11, 12; Sullivan, 10, 11; Kirkwood, 13, 12; White, 20, 13, 18, 18, 20; Greenwood, 18, 20, 12, 18, 15; Jones, 22, 20, 18; Jawson, 9, 8, 7, 6, 10, 12; Arling, 22, 20; Lynch, 18, 17, 20, 19; Patterson, 16, 19, 15, 19, 18, 18; Beebe, 20; Dr. Judkins, 17, 15; Sandy, 8, 7; E. Mahoney, 14, 18; Dr. Clark,

(Continued on page 68)



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Smoke-Talks Around the Camp-fire

LONGER AND COLDER WINTERS

Editor, National Sportsman:

I HAVE read your magazine for a num-
ber of years and certainly enjoy it.
However, I should like to register a
complaint against ice fishermen in gen-
eral. Are they all so engrossed in the
pursuit of red flags that they haven't time
to bring their adventures before the eyes
of the world? Perhaps this will serve as
a starter.

Early Sunday morning, I concealed my-
self under a mountain of fishing para-
phernalia and shivered out into the darkness
of the garage. The car started; so I
gathered up Waldon, Wheat and Dave and
headed for Farm Pond, which is located a
short distance from Wareham on Cape
Cod. It took us a good two hours to reach
the side road leading to the pond—i. e. it
is called a side road but is nothing more nor
less than an ordinary and 'ornery cartpath
trying to imitate a roller coaster.

We were to meet two more ardent fish-
ermen from Foxboro at the pond and as
we were not sure of our way, they had
marked it for us with pieces of cloth.

They certainly did
their duty and when
we bounced up to
our destination
twenty minutes later,
we half expected to
see them tripping
about in their B. V.
D's. They were just
setting in (fully
clothed) and we fol-
lowed suit. Wheat,
the big boy of the
party, chopped the
holes, forty of them.
Forty holes which
seemed like eighty
before we had the
reels set in.

A flag went up
and Dave rushed
half the length of
the pond only to find
it was a false alarm.
Fate was kind after
that and endowed us
with four, flopping
pickereel. How those
fish did take the bait
and run for parts
unknown and what a
thrill it was to bring
their flight to a standstill!

At eleven o'clock we took time off for
appetizing bacon and egg sandwiches and
coffee, fit for the gods. Here's a helpful
hint for you fellows who want a good
meal and want it quick. It always seems
as though just at the time you are ready
to inject your molars into a sandwich,
one or two flags go up and it's part of
the game to drop everything and run to the
"up".

Only one thing prevented our day from
being perfect and that was the invasion of
an army of snow fleas (a native told us
what they were—we had been calling them

a variety of names). We had to keep the
food on top of a box and were indeed
glad that climbing is not included in a
snow flea's category.

During the afternoon we had very good
luck and when we pulled up stakes had
fifteen fish, ranging from 1½ lbs. to 4
lbs. Our arrival home at eight o'clock,
red-eared and feeling on top of the world,
was heralded with watering mouths by
all the neighbors. We were bringing home
their breakfast.

Three cheers for longer and colder win-
ters, when the ice fisherman can come
into his own!

Sincerely yours,

E. H. SHORTISS, JR.

Treasurer of the Framingham Fish and
Game Club.

Framingham, Mass.

AN IDAHO ENTHUSIAST

WE'VE just started taking your
magazine and if it's any use to
say it now—we wouldn't be with-
out it hereafter. I don't hear much from

Idaho anglers and
although I am a
mere woman and an
amateur in the art
of fishing, I've got
a few things to say
on the subject.

I love to wade out
into the middle of
a nice stream, not
too swift, where
there are a lot of
deep dark holes and
just "have at it".
From my dad I in-
herit my love for
fishing but he did
most of his in Mis-
souri around the
Ozarks and he likes
to fish for bass in
preference to trout.
As we still have a
lote of snow here we
haven't been fishing
as yet but my hands
are sure itching to
get that rod out and



E. H. Shortiss, Treas., of the Framing-
ham, Mass., Fish and Game Club.

try my luck. My mouth is watering
for a nice eight-inch trout rolled in
cornmeal and fried to a golden brown—
um-m-m—BOY—I'm not saying how many
I could eat. I get more thrills from catch-
ing a fish than I do from wearing a new
hat and you'll have to admit that's saying
a lot—don't forget I am a woman. Hope
that you will print this and that it will
"break the ice" for a lot more women
anglers to relate their experiences. Wish-
ing you the best of success to your maga-
zine.

Very truly yours,
JOSEPHINE JORDAN LINTICUM.

Burke, Idaho.

SKEET SCORES
(Continued from page 67)

12; Dr. Williams, 12, 10, 18; Dr. Ladd, 16, 11, 13, 12, 14; W. Ladd, 10, 11, 10, 11, 12; Dr. Mixer, 19, 15, 21; C. Mixer, 11, 13, 13; R. Mixer, 6, 8, 7; F. S. Smith, 20, 20, 19; Foster, 21, 22; Davies, 21, 15; M. G. Hobbs, 18, 14, 18; Dr. Tobey, 18, 13, 15; Langshaw, 15, 15, 16; Read, 7, 13, 16; Dr. Starrett, 13.

WESTON ROD AND GUN CLUB, WESTON, MASS.

Merrill, 22, 19, 18, 20, 20; Riley, 20, 18, 18, 22, 21; Mulock, 19, 17, 15, 20; Temple, 23, 22, 23, 21, 24; Bulger, 23, 22; Baird, 22, 23, 21; Goodwin, 21, 21, 20, 21, 20; Porter, 18, 20, 18, 19, 21; Adams, 15, 14, 17, 14, 15; Blaney, 19, 20, 17, 17, 16; Bentley, 12, 17, 9, 18.

WICHITA SKEET CLUB, WICHITA, KAN.

Dec. 9, 1928—Moss, 14; Slevoer, 12; S. Mardock, 12; Rutherford, 17; Siles, 16; Murry, 19; J. Mardock, 22; T. Marlin, 18.
Dec. 23, 1928—J. Mardock, 20; T. Holl, 15; L. Mardock, 5; E. Rutherford, 17; T. Martin, 17; Parker, 8.
Dec. 25, 1928—E. Rutherford, 16; J. Mardock, 16; L. Mardock, 18; B. Mardock, 10; L. Martin, 17; L. White, 10; D. Wehrmy, 11; J. Mardock, 21; E. Rutherford, 19; T. Holl, 14.

SKEET CLUB, OMAHA, NEBR.

Dec. 16, 1928—A. Swanson, 25; Vliet, 15; Condon, 14; Christensen, 17; Dykert, 18.

THOMAS'S (ELMIRA, N. Y.) SKEET TEAM VS. ITHACA (N. Y.) SKEET CLUB

First Round

Jan. 12, 1929—ITHACA: Seeley, 18; Merriam, 19; Sheeley, 21; E. Courtright, 15; A. Courtright, 21. Total, 94.
ELMIRA: Woodward, 20; Allen, 20; Starr, 18; Barnard, 17; Wheeler, 18. Total, 93.

Second Round

ITHACA: Seeley, 22; Merriam, 16; Sheeley, 20; E. Courtright, 17; A. Courtright, 22. Total, 97.
ELMIRA: Woodward, 18; Allen, 22; Starr, 19; Barnard, 16; Wheeler, 15. Total, 90.

Third Round

ITHACA: Seeley, 17; Merriam, 14; Sheeley, 23; E. Courtright, 13; A. Courtright, 18. Total, 85.
ELMIRA: Woodward, 20; Allen, 22; Starr, 17; Barnard, 14; Wheeler, 19. Total, 92.

VALHALLA (N. Y.) SKEET CLUB

Jan. 27, 1929—R. Swan, (20-ga.) 15, 17; Dimond, (20-ga.) 18, 20; Ellenberg, (20-ga.) 18, 23; Van Wagenon, (16-ga.) 15, 22; Mezger, (20-ga.) 18, 13; Nubert, (20-ga.) 17, 20; Campbell, (20-ga.) 16, 10; Rozelle, (12-ga.) 20, 20; Thompson, (12-ga.) 12, 13; Abel, (12-ga.) 11, 13; Becker, (12-ga.) 7, 9; Lud, (12-ga.) 13.

FAIRVIEW GUN AND GAME CLUB, WEIR-TON, WEST VA.

Jan. 19, 1929—Ray Altenberg, 20; P. Connors, 18; Henchee, 16; R. Altenberg, 25; P. Connors, 19; E. Gorrell, 18; B. Will, 18; R. Altenberg, 22; E. Gorrell, 18; P. Connors, 18; R. Altenberg, 25; B. Will, 16.

WILDWOOD GROVE CLUB, PINEBROOK, N. J.

Jan. 27, 1929—Marsans, 16; Lucas, 17; Jacklitch, 17; Barrett, 20; G. Koeck, 16; Al. Koeck, 9; Barrett, 20; Jacklitch, 22; Lucas, 18; G. Koeck, 17; J. Egan, 22; G. Graf, 7; A. Scheren, 8; Sysma, 7; Meester, 16; Trett, 5; Dreiser, 16; C. Scheren, 13; Deiser, 22; Lucas, 21; Scheren, 19; Trott, 8; Mosley, 15; Hill, 22; Momberger, 17; Thummel, 18; E. Delpino, 21; Mosley, 12; Marsans, 14; Hill, 17; Momberger, 16; Thummel, 14; E. Delpino, 22; Marsans, 18; Egan, 22; Jacklitch, 20; Barrett, 18; G. Koeck, 11; Graf, 12; Lucas, 23; Whiting, 18; Jacklitch, 18; Barrett, 19; Graf, 11; Egan, 17; Lucas, 14; Whiting, 9; G. Koeck, 19; Deiser, 17; C. Scheren, 14; Mosley, 13; Egan, 22; Hill, 19; Marsans, 14; Deiser, 16; Momberger, 16; Thummel, 15; Hill, 19; Mosley, 17; Marsans, 14; Delpino, 19; Lucas, 21; Jacklitch, 21; C. Whitney, 13; Graf, 15; Barrett, 14; Delpino, 21; Deiser, 17; Mosley, 17; Jacklitch, 20; Whiting, 12; Barrett, 20; Egan, 17; Harrison, 14; Creighton, 5; Thummel, 19; Trazor, 4; Williams, 8; Jacklitch, 13; Thummel, 17; Barrett, 18; Graf, 15; Whiting, 13; Delpino, 14; Speer, 20; Van Dunne, 6; Egan, 15; Trager, 9; Creighton, 8; Williams, 10; Momberger, 19; Deiser, 20; Egan, 22; Whiting, 12; Thummel, 18; Mosley, 17; Barrett, 22; Deiser, 16; Egan, 18; Whiting, 16; Thummel, 16; Momberger, 16; Graf, 9; Barrett, 15.



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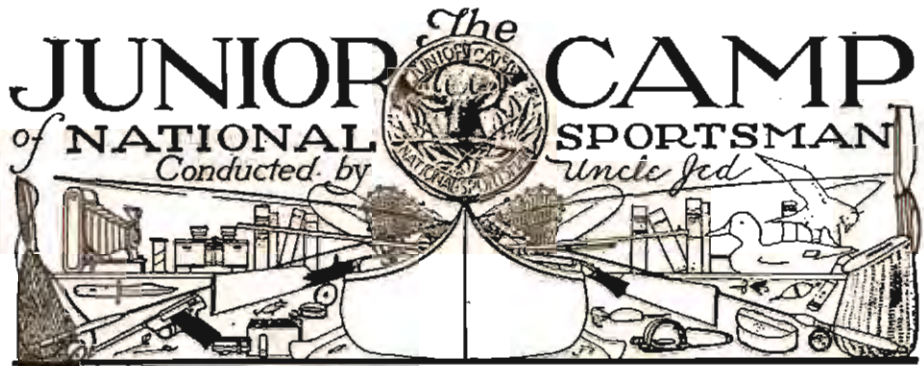
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UNCLE JED, Junior Camp
National Sportsman Magazine
103 Massachusetts Ave., Boston, Mass.

WELL boys, as they say, here we are again. And to use another one of those sayings that get around, "it won't be long now" until school is over and done with for the summer months, and that spells vacation in capital letters.

While the fire is waking up, and while the sparks are filtering up to vanish in the night above us, let's see what we're going to do during vacation. There's never so much fun as planning what to do with spare time, and while we're still young is the time we get the most of that. What about a fishing trip? Shall it be a fishing trip for trout or bass or salmon? How about a camping trip? Shall it be a camping trip in the mountains?

How about a canoe trip? Shall it be a canoe trip on a big lake, or on a river or stream? Any single one of these ideas is bound to appeal strongly to you fellows, since you're all Junior Campers, but it's possible to take a trip which combines the whole works in one, and thus we can get that much more enjoyment.

Let's take a canoe trip, or at least let's ask Dad what he thinks of the idea of taking a canoe trip in some state such as Minnesota where there are both lakes and rivers, and where there are portages, and where there are trout and bass and pike and pickerel. On such a trip we get the combined pleasure of hiking, or canoeing, of camping and of fishing.

Loaded with duffle for two of us, the canoe is drawn up to the beach on a little inland lake all bordered with spruce and pine growth. We slide the canoe off, and when it is in the shallow water along the beach, we step in and take up our paddles. Bow and stern man paddle together, and there is just a little ruffle on the surface of the water. This ought to be a good bass country. We look up the fish laws and find that the season will not open for a couple of days, so we begin to think of taking a few pickerel. Pickerel make nice eating. Using a steel rod, the bow man strips a hundred feet of line from his reel and attaches a plug lure. If we catch a bass, of course we have to put him back.

We paddle along slowly, when zing-o! the tip of the rod jerks suddenly backward, and we have a pickerel on. A short fight, and some quick winding on the reel and he is ours. He weighs about two pounds, which means a meal supplemented with potatoes and bacon from the pack. So we take down the rod and look around for a camping spot for noon meal. We'll save the pickerel for supper—unless—No! we'll fry some of that nice white flaky meat this noon on the beach, and make an early camp near where a little stream comes into the lake.

So, building a fire-stick, by shaving with our knives on a piece of dry cedar, we start our noon fire and put on the tea to boil and fry some bacon. Into the hot bacon fat go six round slices of the pickerel taken just an hour before, and with the potatoes on to boil we sit back and watch the smoke rise, watch the sunlight sparkling on the water, and perhaps follow the deer tracks on the beach a little way. Boy, oh, boy, what a meal. It's the first one on the trip and one we won't forget!

After dinner we wash the dishes in the clean sand, dry them very carefully and pack all our duffle neatly so that we will always know just what things are where. This little care in packing will literally save hours of hunting during a two week's canoe trip.

During the afternoon we drift lazily along looking for the stream that tumbles into the lake. Sometimes stream inlets are very hard to see, so we listen as well, and when we are close to shore we watch the bottom of the lake to see which way the weeds are waving, since this might indicate a current and give us a hint that the inlet is handy by.

Well, as so often happens, we are plumb opposite the stream before we know it's there, and, listening, we hear the soft sound of a little rapids above. On the right bank of the stream is a nice high knoll covered with a thin growth of Norway pines. Here we'll camp. There's no undergrowth and the wind will always blow through the pines and keep the mosquitoes and black flies away. However, we'll use the insect-netting that we've brought along and don't forget it.

Now the tent is pitched. We pitch it carefully, and see to proper drainage, and stretch the canvas taut, so that it will shed water better in case of rain. We have taken it easy, and it isn't yet time for supper so we start upstream in the canoe on a little exploring trip. Up around the bend the stream is swifter. Here are the little rapids we heard. Here again are rocks and now and then a deep black pool flecked with foam. Then without a bit of warning—"Smack!" And on the surface of the black pool we see a widening circle. Know what that means? Well, good for you. A smack like that in such water means trout and nothing else.

Try a cast right over there just where the currents meet. That's always a place for trout to lie. No, nothing doing. Not even a rise from the little fellows—which means—often enough, that there is a BIG ONE there. Keep casting—easily, carefully. Gosh! There he comes! Strike!

And of course for supper, we had what we'll claim, and what no one can ever dispute, was the finest meal of trout broiled over the coals that any woods traveler ever had.

And with dreams of to-morrow we crawl under the blankets and watch the embers of the fire die down. This is a good place to end, fellows, and I'll see you all next month. How about this trip? Did you like it?

UNCLE JED.

CAMPING By Horace Kephart

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HELPFUL KNOWLEDGE

Editor, National Sportsman:

THE subscription which has just expired was my first, though I have bought the magazine from the news stand for several years. I have learned many new ideas from reading it and my knowledge has been greatly enlarged on the question of outdoor sports. Your articles are always presented in such manner as to make them readily understood which makes them very helpful to the novice, to which class I belong. The outdoor stories or experiences which appear each month are also very helpful. I read every one of them and have gained much knowledge through them. They certainly keep the fire of enthusiasm burning and more than once they have caused me to take up my gun and go hunting when I probably would not have gone otherwise.

Here's hoping for the continued success of the NATIONAL SPORTSMAN and that I will not miss my next copy.

Yours very truly,
LONNIE EDDINGS.

Lufkin, Texas.

OWING to unusual severity of the weather and snow depth in the Okanagan (British Columbia) country, it is said that deer herds driven to the valleys for forage have browsed on different varieties of tobacco that had not been harvested and left sticking up above the snow, from Mild Virginia to Burley chewing.

THE Caribou doe of Newfoundland is known to naturalists as one of the few female of the deer species that carry antlers. These are small and sometimes well developed but never of the fine proportions of those of the stags.

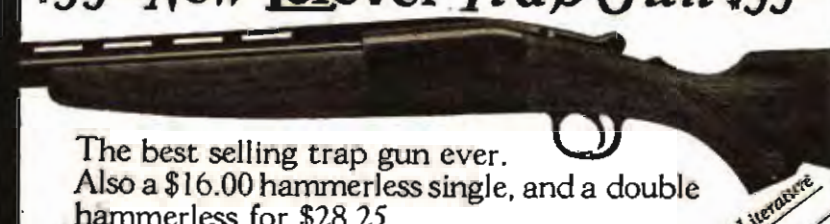
CARRYING CRATES FOR DOGS

CARRYING crates which fit on the running board are now on the market which serve the purpose yet with such a crate clamped in position it is impossible to use but one side of the car for entrance or exit. Many of the present closed and open models are equipped with trunk racks at the rear. In most cases, the space provided is large enough to hold a fair sized ordinary dog crate which will comfortably accommodate at least a pair of dogs. In very cold weather a canvas covering may be made to snap over the crate and adding to the occupant's comfort.

With roadsters and coupes having the usual covered space in the rear the following suggestion will work out nicely. Open the compartment to a height of about sixteen inches holding the lid open by means of a stick of that length. Take measurements necessary to make a wooden frame that will exactly fit the space left between the lid and body.

This contrivance is simple to make, light in weight and is held in place by cleats at the bottom of the frame and the weight of the lid which rests on top of it when closed. An armful of straw in the compartment so formed with a small wire door in the back panel of the frame allows the dog to ride comfortably, well protected from the weather.

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The American Sporting Dog Department.

By R. A. JENKINS



Conformation and Performance Versus Pedigrees

BY R. A. JENKINS

THE more I see of the various sporting dog field trials the more firm my belief becomes that the conformation of a hunting dog should be considered equally with the breeding. By breeding I do not mean just a pedigree for no dog has ever won a field trial on the strength of a pedigree alone. I can name off-hand a dozen dogs of the different sporting breeds: setters, pointers, beagles and coon and fox hounds, that possess wonderful pedigrees but fail to show any real class in the field. In studying this fact the writer has found that the greater number of such well-bred dogs are lacking in conformation, or if the pedigrees of these dogs are studied carefully, there can be found the reason for such failure in performance as the pedigrees would lead one to believe the animal in question should inherit. Crosses of certain strains or families of a breed sometimes do not "nich". Occasionally it is a hereditary or strain fault that refuses to "breed out" even with repeated crossing with strains or families that are strong where the opposite strain is weak.

The writer has often bought an unbroken, untried dog upon his "good looks" and in all but a few cases these dogs have developed into good field dogs. Conformation does not often lead one astray in a search for raw material to train. In the majority of cases an outstanding field dog possesses a like conformation. This is not a cut and dried rule, for there are exceptions, but by far the larger percentage of top-notch performers of any of the sporting dog breeds, of championship or near-championship calibre, are dogs that run very close to the breed standard in conformation.

This is not by any means happenstance. Competition is keen at the trials and breeders are paying more and more attention every year to developing a dog that possesses both ability in the field and at

the same time, conformation that runs closer to the standard of the particular breed.

There is perhaps no infallible rule to be strictly adhered to in the breeding of any breed of sporting dogs. There is a tendency we know, for like to beget like, therefore in studying the problems of breeding and of producing a better working dog than the other fellows we must first look for and use only the blood of the best performers; dogs that have proved their ability in the field, not on a pedigree blank. It is the opinion of the writer that conformation and performance should receive equal consideration with breeding. If the reader is not in sympathy with the above opinion I only point to the field ability of the majority, not all mind you, of the dogs bred strictly for pedigrees. In nine cases out of ten such dogs are useless in the field.

To Be Continued in an Early Issue

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About seventy per cent of each year's crop of sporting dog puppies are whelped during the four months following the month of February. This is because the average breeder realizes that the earlier in the spring the puppies arrive, the better chance they will have of developing before the next hunting season rolls around. A March litter will be eight months old the following November and if

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on by exposure will nearly always result in a undersized, backward pup.

It has been the experience of the writer that as a safety measure against the chilling of the early arriving litter, nothing can equal the kennel, the features and construction of which has been described in the March issue of NATIONAL SPORTSMAN. If the kennel can be placed in a shed or out-building (don't use your garage as the poisonous gas-exhaust fumes have been known to wipe out a whole litter) out of the cold winds the puppies will be safe from exposure and, if all other conditions are right should thrive just as well as tho born during warm weather.

During extremely cold weather a soap stone or a few bricks can be heated and placed under the straw in the nest. These should be wrapped well in heavy paper not only to retain the heat but to protect the puppies from injuring themselves from laying directly up on the hot stone.

QUESTIONS AND ANSWERS

C. C. J., LaPorte Ind.

I have recently bought at a long price a female bound pup of the best of fox bound breeding. This pup is now 4 months old. When will she be due and should I allow service at the first opportunity. This pup has 20-inch earage now. Do you consider that good? Her sire had 25-inch earage and her mother 24-inch earage.

ANSWER:—Your pup should be in season during her eighth or ninth month. Unless a dog is exceptionally well developed and matured I would not allow service at this time but wait until the second season which should follow the first in about six months. It is well to take all precautions to guard against a mesalliance or accident during the first period. It is a good plan to shut the female in a barn loft or other such place where she cannot be reached and spray the immediate premises with a strong creolin or kresol solution to kill air scents which will attract unwelcome visitors. Your pups earage is very good for her age and she should mature with at least 24-inch earspread.

G. F. Vicksburg, Miss.

My two year old pointer dog has developed a trouble or disease that the local veterinary here does not seem to know what it is or what to do for it. His mouth is sore and breaks out inside with sore spots. Sometimes a pus or matter comes from these sores. I have taken and read NATIONAL SPORTSMAN a long time and have noticed the recent enlargement and improvement of the dog department.

ANSWER:—Your pointer's sore mouth could be caused by bad teeth or a bad stomach. I would suggest that you give a dose of physic (epsom salt) and keep in mind that it is important to keep the bowels open. Feed soft foods such as bread soaked in milk, broth from fresh boiled beef with vegetables mashed. Raw fresh beef can be ground at any butcher shop and should be fed in this form. Treat the sore mouth by bathing entire cavity with a solution of boric acid (one teaspoonful of powder to glass of warm water). Treatment should be applied four or five times daily. Procure a pair of rubber gloves for your hands and open the sores inside the mouth. Care should be taken that your pointer doesn't bite you. Paint all sores with tincture of iodine (full strength). There are other treatments but I have found this the most successful.

E. L. M., Washington, Pa.

1. Is the spaniel as good as the beagle on rabbits? 2. How about the Walker? 3. I am told the spaniel makes a very good utility dog on quail and rabbits?

ANSWER:—1 and 3, I am assuming that you mean the Springer spaniel. While the Springer spaniel is a wonderful dual purpose dog he is not the equal of the beagle for rabbit hunting. The beagle has been bred for years with this one purpose in view and in this respect he stands alone and unsurpassed. The Springer is a silent trailer and works rather close. Personally, I would rather hear a pack of beagles running one wise old buck cotton-tail than to shoot a dozen rabbits. If, however, it was intended to use a dog upon quail and rabbits then the Springer spaniel is the dog. 2. The Walker fox bound will almost always develop into a good rabbit dog when properly trained. However, I wouldn't care to go rabbit hunting with a Walker in fox country and depend upon him sticking to rabbits. Heredity and instinct are sometimes stronger than all the training for obedience, horns and dog whistles and it should be remembered that the Walker is bred for fox hunting. From your letter I believe that a registered beagle should suit your purpose exactly. I would choose one from a reliable kennel and would suggest one of 15 inches in height. The advertising of many very reliable beagle breeders will be found in our classified business pages.

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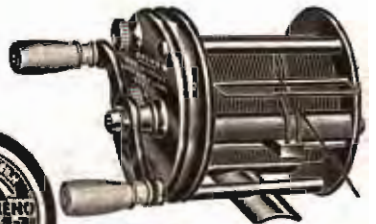
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Random Notes for Sportsman's Clubs

NEW BRITAIN FISH AND GAME ASSOCIATION

LEGISLATION PRESENTED

THE present session of the legislature of the state of Connecticut has brought the usual flood of bills of all kinds which prohibit this or allow that. Doubtless most of it will be rejected when it comes to a vote.

Two of the bills wish to close the season for ruffed grouse, one by Mr. Cramer of Wethersfield calling for a closed season to Oct. 8, 1929, the other presented by Mrs. Alsop of Avon calling for the season to be closed until October, 1930. The dogs that "roam" are liable to be lost to their owners if a bill that is being considered now passes; it calls for a provision that roaming dogs may be impounded by land-owner. There are several other "choice" bits of legislation now in committee, but it is expected that most of the more radical ones will be rejected, such as one that would repeal all laws against suares and snaring and another repealing all laws protecting wild quadrupeds in indiscriminate feeding. What an orgy of killing that would provoke!

Once again—Come to the annual meeting. Find out what the Association has done—what it expects to do. Also elect officers, keeping in mind the best interests of the association.

THE ANNUAL MEETING OF THE NEW BRITAIN FISH AND GAME ASSOCIATION WILL BE HELD FRIDAY EVENING, MARCH 15, 1929, AT JR. O. U. A. M. HALL ON GLEN ST. REPORTS OF ALL THE COMMITTEES FOR THE YEAR WILL BE HEARD AND OFFICERS WILL BE ELECTED. EVERY MEMBER SHOULD BE PRESENT.

BROCKTON SPORTSMEN'S CLUB, BROCKTON, MASS.

THE Brockton Sportsmen's Club is composed mostly of men interested in good bird dogs and in our native Bobwhite Quail. We believe in the Game Restoration Program and are concentrating our efforts on Bobwhite Quail because we believe that those birds need and deserve more attention than they are now receiving in this state. We have previously reported in our club news that we have a refuge where, for several years previous just four coveys of quail were known to range. The conditions on the refuge are similar to those in many other areas frequently recorded where the quail population remains at a constant level year after year. One or two coveys, never more, never less.

To test a theory we secured five surplus cock quail which the state had trapped for use in its experiments in quail breeding. These were liberated on the refuge last spring and the increase was apparent at once. Now there are eight distinct coveys definitely located. We believe that our experience proves the theory that natural breeding will be stimulated and an increase accomplished by exchanging cock birds between unrelated coveys. That applies to conditions as in Massachusetts where quail are scarce and coveys so scattered that they do not come together and mix naturally.

We are anxious to go ahead with this program, but we can get no more quail from the State Game Farm. The efforts to breed quail there have not been successful. We would be glad to trap a few cock quail from each of the coveys on our refuge and exchange them with quail trapped in other sections of our state. But that requires a permit from the Division of Fisheries and Game which we cannot get.

The strangest part of this situation is that any one can buy a license for \$2.25 which gives him the right to kill twenty quail during the season. But no one has as yet been able to persuade the Director to issue him a permit to trap quail for the purpose of exchanging coveys between coveys or of trying to raise more quail.

The state of Virginia raises thousands of quail each year. So does the state of Maryland. The fact that this state has failed is no proof that individuals may not succeed. In fact in the year 1927 official records of individual sportsmen raising pheasants from eggs received from the state show an average production of 19% at no cost to the state as against 11.4% average production at all the State Game Farms from the same eggs, and at considerable cost, estimated between \$4.00 and \$5.00 per bird. So it would seem quite possible that sportsmen could raise quail more successfully than this State. In fact at the recent Sportsmen's Show hand-reared Bobwhite Quail were on exhibition raised successfully from eggs by the only commercial game breeder in the state, Emil H. Whitman, of Walpole.

We do not want to import Southern or Mexican quail on the theory that they are not winter hardy. These birds will breed readily with our own Bobwhite Quail and the offspring will be less winter hardy, probably by 50%. Then along comes one of our unusually severe winters and practically all the quail are wiped out. The theory seems to be supported by past experience in this state, and we don't want to go through that again.

Now, brother sportsmen, especially upland gunners, and those who would like to see Bobwhite Quail restored in this state, we appeal to you for help in this matter. We have made good progress with quail on our game refuge. But we are now seriously handicapped and unable to make progress as rapidly as we might. All roads to Game Restoration, as applied to Bobwhite Quail seem to be closed. They can be opened only by the sportsmen themselves.

We believe that the only thing to do is for each one of you to write the Director requesting a permit to trap quail under the supervision of a local warden, if desired. The permit might be restricted to a certain number of birds. It might restrict its use to trapping quail to be used only for exchanging birds with other sportsmen or for breeding purposes. Records could be kept by banding each bird with a number registered with the Director.

We feel quite confident that should the clubs or many individuals show a willingness to take up this method of quail restoration in a systematic manner, there would be little difficulty in securing the sanction of Director Adams as well as the aid of the game wardens. The Brockton Sportsmen's Club has taken up this question with the Division of Fisheries and Game, but in order to carry out the plan we hope that other clubs will follow suit.

If you receive the permit, write to the Brockton Sportsmen's Club. We will be glad to exchange birds with you. If you do not get the permit, write to us also about that, sending copies of the correspondence. Then we will suggest the next step which we have in mind. We can have plenty of quail to provide reasonable shooting and the best of training for our dogs if we will stir ourselves to action. It will require only a few letters, and we would like to hear from every sportsman in Massachusetts interested in more Bobwhite Quail for better sport and better dogs in this state.

RUSSELL C. STEVENS, President,
Box 743, Camphello, Mass.

BEAVER POND FISH AND GAME CLUB, MILFORD, MASS.

THE fifth meeting of the Beaver Pond Fish and Game Club was held in Red Men's Hall Tuesday evening, Jan. 29. A banquet was served by Caterer Holman of Norwood, Community Song sheets were given out and while the caterer was picking up the dishes the crowd sang, music being furnished by Peter Revolti and James Cervone. The following speakers were then introduced: Mr. Walling, Bird Commissioner of Rhode Island; Joseph Gould, director of Evening Schools in the city of Boston; Emil W. Zepp, secretary of the Dedham Hunting and Fishing Association; William Ollendorff, president of the Norfolk County Sportsman's Clubs and H. H. Cooke of the Massachusetts Fish and Game Association. Four reels of motion pictures from NATIONAL SPORTSMAN MAGAZINE were shown by Mr. Cooke. Guests were Wardens Chase, Bemis, Macker and George Grayson, president of the Nipmuc Rod and Gun Club. Two hundred and fifty sportsmen attended the smoker.

The club has received twenty-eight pheasants which are being wintered by the members and eight hundred trout which were planted in Stahl Brook, Bellingham.

LEO J. BURNS, Secretary.

MIDDLEBORO FISH AND GAME ASSOCIATION, Middleboro, Mass.

The Annual Bench Show for dogs of all breeds under the auspices of the Middleboro Fish and Game Association will be held in the Town Hall at Middleboro on Saturday, March 23, afternoon and evening. The bench shows held by this club have always attracted dog fanciers and last year there were 294 entries. There was the largest entry of beagles, 45, of any show held in New England for many years. The Dog Show Committee has been at work for several months and all indications point to a larger and more successful show than ever.

CARL S. OAKES, Secretary.

DEDHAM HUNTING & FISHING ASSOCIATION, DEDHAM, MASS.

THE Dedham Hunting and Fishing Association had a booth at the New England Sportsmen's Show which was very popular with sportsmen visitors from far and near. It consisted of a log hut decorated as a hunters' cabin where members of the club were on hand at all times during the show to welcome visiting sportsmen. Great credit is due the committee of workers composed of Carl Schultz, Archie Lewis, Jim Leonard, Joe Masserelli, Fritz Shortman, Harry Webber, William Stafford, and other members of the club (which includes this humble secretary) for the time and labor devoted to putting up the attractive exhibit.

Our guest register shows the names of sportsmen from nearly every sportsmen's club in Massachusetts and a great many from other states. This offered a wonderful opportunity for the exchange of plans and ideas about fish and game restoration. Our methods of fish distribution were explained by our Chairman Fred Dornau. Dr. Grauman and other members of the Welcome Committee frequently conducted visitors through the show introducing them to the representatives of the manufacturers having exhibits of sportsmen's equipment.

The club is again sponsoring legislation to establish a Sportsmen's Fund and to create an Advisory Committee of twelve members representing each county in the state to meet at least every three months, thus keeping in close touch with the Division of Fisheries and Game and reporting back to the clubs in their district. The members of the advisory board are to serve without pay, their travelling and other actual expenses only being paid by the state. The most important feature of the bill, however, is the establishment of a Sportsmen's Fund to receive all money from license fees and fines and to be used only to improve conditions for the sportsmen. All we want is to have our license fee money spent as efficiently as possible to restore better hunting and fishing in this state. The sportsmen's license fee is a special tax in addition to the regular taxes which all of us pay. Consequently we believe that whatever funds are needed for the conservation of marine fisheries and other things not connected with sport should be appropriated from the general tax funds, and not taken from funds contributed by sportsmen.

Our legislative committee through its chairman, Dr. Frederick E. Grant, now our president, took the count at the Golden Dome on a technical knock-out for this legislation last year. However, we are back again stronger than ever and hope to get a square deal this time. That is all we ask. All in the spirit of good sportsmanship.

EMIL W. ZEPF, Secretary.

HAVERHILL SPORTSMEN'S CLUB, HAVERHILL, MASS.

THE Haverhill Sportsmen's Club has been active in efforts to prevent the Water Board from closing the only pond in Haverhill left open to fishing which they voted to do on April 1. A bill to transfer Lake Saltonstall or Plug Pond to the municipal council for recreational purposes has been presented to the General Court and also a bill to have the County Commissioners of Haverhill elected by popular vote. We are anxious to have the cooperation of other clubs in getting these bills passed.

The February meeting of the club was well attended and moving pictures provided by NATIONAL SPORTSMAN MAGAZINE were shown and greatly appreciated. Past President Dr. R. B. Larkin was presented with a hunting coat as a token of his services to the club. The headquarters have been remodelled and painted.

F. H. FERNALD, Secretary.

LEAGUE OF ESSEX COUNTY SPORTSMEN'S CLUB, MASS.

AT the January meeting of the League it was voted to buy 50 pheasants for the Bird Dog Field Trials and a committee was appointed to look up permanent grounds in anticipation of a larger entry this year.

A number of legislative bills were acted upon and Frank C. Henry, president of the Lynn Club, was appointed Chairman of a Legislative Committee to represent the league at the state house. The league was prominent in writing to congressmen from this district urging the passage of the Norbek-Andresen Game Refuge Bill, and the sportsmen of this section were glad to learn that the bill had finally been passed.

The next meeting of the league will be held at French's Hall, Peabody, on Friday, April 5, at 8 p. m. All sportsmen's clubs in the state are invited to send representatives to see how this league functions. We believe it would be a fine thing if similar leagues were established in every other county in the state.

F. H. FERNALD, Secretary.

RHODE ISLAND FISH AND GAME PROTECTIVE ASSOCIATION RHODE ISLAND.

THE annual get-together dinner was held in December and about 250 members and guests enjoyed a pleasant evening, with music, speaking, comic skits, and the award of prizes in the vermin control and fishing contests.

The Vermin Reduction Contest was won by John R. Clark, of Hope Valley, with a score of 1,318 points. Another contest is on the slate for 1929 and many members not contesting in 1928 have declared their intention of giving Clark a run for the honor of first place next year.

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A committee has been appointed to look up the Associated Clubs of this State, stocking it with trout and allowing fishing only to members of clubs affiliated with the central organization. If the scheme proves feasible, it is planned to take up other waters from time to time and thus place at the disposal of sportsmen waters that will guarantee good fishing. We believe that every sportsman should be an active member of the sportsmen's club in his locality and that club should be affiliated with the State Association of Clubs. Consequently these streams will be open to all sportsmen.

The Fishing Contest will be continued this year with prizes for the two largest fish of each of the following species caught in Rhode Island waters during the open season of 1929 with rod and line by a member of the association: Small Mouth Black Bass, Large Mouth Black Bass, Brook Trout, White Perch, Yellow Perch, Pickerel, Bullhead, Tautog, Squiteague, and Striped Bass.

At the annual meeting held on Jan. 25, Everett L. Barrus was re-elected president, Frank A. Card, Walter H. Hildreth, William J. Stanton were elected vice-presidents, H. L. Palmer was re-elected secretary-treasurer. The executive committee for 1929 is as follows: Frank A. Card, Walter H. Hildreth, Francis Davies, Frank L. Hanley, Daniel R. James, Harry R. Angell, and William E. Watjen. At an executive committee meeting the following chairmen of committees were appointed: Albert T. Sisson, Legislative; Henry R. Mayer, Game; George W. Jones, Fish; Walter A. Angell, Vermin.

On Friday, Feb. 22, the members enjoyed a lecture by William L. Finley, illustrated with reels of moving pictures taken in the Northwest. H. L. PALMER, Secretary.

UNITED SPORTSMEN, SUGAR NOTCH CAMP, NO. 205, SUGAR NOTCH, PA.

THE February meeting of Camp No. 205 was held at the Town Hall in Sugar Notch on Thursday, Feb. 7. Thomas Bradshaw and President Roy Wootten told the members about the condition in the woods last doe season.

Roy Wootten was instructed to attend the meeting of all Sportsmen's Camps from Pennsylvania held at Harrisburg. At this meeting Mr. Mootten was to see that the law which would allow the training of dogs on Sunday got proper attention. This law was offered to the legislature through the Sugar Notch Camp.

It was reported that the State Game Commissioner was going to send three hundred pheasant eggs to our camp to distribute to nearby farms. The farmers have offered to hatch and raise the birds without charge. It was also reported that camp members caught five weasels and one mink since last meeting, making a total of fifteen weasels since the winter set in. All camp members are urged to get their traps out and catch the weasel and grey fox which are roaming our woods.

The president announced that hereafter members who are back three months with their dues will be re-instated on the payment of \$1.00. Our next banquet will be held on March 18, 1929, in the Sugar Notch high school auditorium. Every member is urged to attend and to bring his friends.

RICHARD BRADSHAW, Assistant Secretary.

DUTCH RUN GAME, FISH & FOREST ASSOCIATION, DUTCH RUN, PA.

THE Dutch Run Game, Fish and Forest Association held its annual meeting and oyster supper in the club rooms at Dutch Run, on January 19, 1929. Officers elected for the new year were: president, A. H. Allison; vice president, S. W. Miller; treasurer, J. O. Akens; secretary, J. A. Templeton; publicity officer, L. A. Johnston.

The club has received six crates of cottontail rabbits. They have been liberated and close tab kept on them by Game Warden Gordon Johnston and other club members. They are reported as doing fine. All sportsmen and farmers in the vicinity are cordially invited and urged to join the club and take part in its effort to improve the hunting and fishing in this locality.

L. A. JOHNSTON, Publicity Officer.

BRANCH NO. 7, BERGEN COUNTY SPORTSMEN'S FISH & GAME PROTECTIVE ASSN., NEW JERSEY.

THE fifth annual venison dinner and entertainment of Branch No. 7 Bergen County Sportsmen's Fish and Game Protective Association was held in the Park Club, Park Ridge, N. J., on Thursday, Feb. 7, 1929. Over 200 sportsmen from all parts of Bergen County attended this dinner and it was declared a huge success. The welcome address was given by Mayor Alexander of Park Ridge, followed by short talks by President A. Blakeney, Senator Ralph Chandless, Motor Chief Peter Siccardi, Mayor Ruckner of Westwood, Warden W. Small, Surrogate B. Hopper, and Freehold Edwards, Knox and Mable.

Over 300 wild cottontail rabbits were liberated by Branch No. 7 during the month of February and some English ringneck pheasants will be purchased for stocking purposes.

The year just completed has been so successful that the members unanimously re-elected the same officers for another year, as follows: President, A. Blakeney; vice president, John H. Schuiz; treasurer, W. Hayden; secretary, W. Washer; sergeant-at-arms, N. Stalter, and trustee for three years, Alvis Ochs. The other trustees are J. H. Blauvelt and W. Files.

W. HAYDEN, Treasurer.

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ANGLERS ASSOCIATION OF ONONDAGA, SYRACUSE, N. Y.

THE president's report of the activities of this association for the past year shows that our Propagation Committee planted 43,000 brown trout, 10,000 native trout, 20 cans of pike-perch fry, and 8 cans of small mouth black bass, besides placing 850 pheasant eggs for hatching.

The club's special protectors took from Oneida Lake 67 trap nets and 4 gill nets of herring, a total valuation of over \$4600 and the fish liberated from these nets would more than double that amount. They have also patrolled many miles afield and apprehended 17 violators. This work is all voluntary service although the association pays the expenses of these men, such as, boat hire, gasoline, etc.

In cooperation with the New York State Fish Game and Forest League we are endeavoring to amend the game laws that they successfully function. The league is again asking the legislature to empower the conservation commissioner to make all rules and regulations pertaining to the taking of fish and game such as bag limits, open seasons, etc. We believe that it will be better to have men with a technical knowledge of facts to direct the day to day problems of conservation. We also believe that it is our right to know how and for what purpose the conservation fund is being used.

According to the reports of our county clerk approximately 30,000 combination licenses are issued to Onondaga County annually, and according to this should we not have a substantial increase in our membership? More members means more funds. More funds means more work for the conservation of fish and game for your pleasure and for that of future generations. We must do this ourselves for no other agency will do it for us.

That is just one of the reasons why every one of the 30,000 sportsmen in this county should join this association.

H. C. JENNINGS, Secretary.

ELLENBURGH FISH AND GAME CLUB, ELLENBURGH DEPOT, N. Y.

AT its annual meeting, Jan. 28, 1929, the Ellenburgh Fish and Game Club effected a reorganization which is expected to lead to a year of accomplishment. Regular meetings will be held on the first Monday evening of each month, and the annual meeting will be held in the month of October.

The regular meeting of Feb. 4 was a happy event. Business of importance was transacted, after which seven amateur boxing bouts were staged and proved to be interesting features of entertainment. The officers of the club hope that members will plan to attend many future meetings.

WAYNE COUNTY, INDIANA.

THE sportsmen of Wayne County are doing everything possible to increase the stock of native bobwhite quail. There are not many quail left in Wayne County, but there are thousands of crows, and this year the hunters with the cooperation of the farmers determined to kill as many as possible. The most effective way to control crows is to find their roosting places and net or shoot them at night. Under the leadership of Captain A. Martin, Paul Kennedy, Ira Jackson, E. Van Landingham, Herb Cook, Guy Davis and Lester Meadows, sportsmen in the vicinity have made many night raids which have been successful in disposing of a great many crows. The day time shoots average about 50 to 75 crows, but at night several hundred are taken in nets and by shooting. The first attack was made at the farm of Omar Young and many other farmers have requested the sportsmen to come to their farms for crow shoots.

We have heard of the farmer of Vinita, Oklahoma, Harve Dennis by name, who was bothered by several large "swarms" of crows. According to reports, ordinary shotgun methods failed to reduce the numbers materially. He was ordered to dynamite and bagged 1492 crows with one shot. We think that this beats Jack Miner's record with his crow net, but to date at least we have not resorted to this method.

H. C. Cook, Richmond, Indiana.

MASSACHUSETTS FISH & GAME ASSOCIATION

THE annual meeting and dinner of the Massachusetts Fish and Game Association was held on Jan. 9, 1929. A new feature of this occasion was a conference on fish and game matters open to all. The meeting, conference and dinner were all held at the Hotel Statler in quarters well adapted for the purpose.

The following formal papers were presented. In the morning, J. C. Phillips, "Rambling Thoughts on Fish and Game Matters." J. L. Peters of the Museum of Comparative Zoology, Cambridge, next gave a talk on "Rare Massachusetts Birds of Interest to Shooters," illustrated by a large number of birdskins, chiefly rails, ducks and geese. Dr. G. M. Allen, also of the Museum staff read a paper on "The History of the Virginia Deer in New England," covering very carefully all the period of the early decline in numbers and the subsequent recovery and extension of range.

In the afternoon, Dr. A. O. Gross gave an illustrated talk on the work of the New England Grouse Investigation, explaining fully the scope of the work as planned, and the chief points which remain to be worked out.

Prof. S. C. Prescott, head of the Department of Biology and Public Health of the Massachusetts Institute of Technology, presented a most interesting paper on "Pollution," with reports on the various effects of chemical and sewage waste on different species of fish, as well as the lack of oxygen on plant and animal life.

This was followed by a paper from Dr. A. D. Pierce on the actual condition of the Deerfield River today, together with some notes on its fishing history. This was followed by a long discussion on the present pollution of that stream by the waste of the Glassine Company. Director Adams and others brought out the duties and powers of his division and of the State Board of Health in these matters, while Secretary Brooks told just what steps the association had taken in respect to this matter. It was felt that here was a clear-cut test case and that fishermen should find out once and for all just where they stood.

The annual meeting was held just before this last paper, and the following state of officers was elected for the year 1929:

President, Dr. John C. Phillips; vice-presidents, Edward H. Forbush, Hon. W. Tudor Gardiner, Joseph T. Herrick, Dr. W. W. Mann, Dr. William J. Mixer, Dudley L. Pickman, William P. Wharton; secretary-treasurer, Edward Brooks; fund committee, Frederick J. Bradley, Edward M. Howland, Clifford L. Lyall; I. W. Adams, fund committee, Ivers S. Adams, James Clemens, Dr. Charles H. Tozier; executive committee, David A. Aylward, Lincoln Baylies, William H. Claffin, Jr., George E. Clement, John W. Farley, George R. Fearing, 3rd., Frank W. Hollowell, Clarence L. Hawthaway, Lawrence Hemenway, Robert A. Leeson, Dr. A. D. Pierce, John L. Saltonstall, James J. Storrow, Jr., John E. Thayer, A. Van Allen Thomason; nominating committee, Roger S. Warner, chairman, Henry H. Fay, Dr. S. A. Ellis; auditing committee, Edward N. Goding, chairman, C. C. Butters, Ellis Spear, Jr.

A new set of by-laws was passed which conforms more to the present work and aims of the association. After the meeting there was a discussion of the proposed changes in fish and game laws, as evidenced by new bills filed in this session of the legislature.

At the annual dinner, which was attended by about 150 people, Mr. William A. L. Bazeley talked on Sportsmen in Relation to Forest Fires. Mr. William L. Finley gave us his marvelous series of Rocky Mountain motion pictures, by far the finest views of North American big game we have ever seen.

We have to record with regret Col. H. P. Sheldon's inability at the last moment to come to the dinner and talk to us on the woodcock situation. Also the absence of W. B. Coleman of Virginia, who was to tell us of his great work with bobwhites at the Virginia State Game Farm.

FOXBORO FISH & GAME ASSOCIATION, MASSACHUSETTS

In the handicap skeet shoot of Thanksgiving Day, Herbert Bonney, of Walpole, and Elbridge H. Brown made scores of 50 and in the shoot-off without handicap Mr. Bonney made a perfect 25, thus qualifying for membership in the famous Twenty-Fivers Club, and was awarded a turkey. Mr. Brown secured a goose. Other scores and prizes follow: Dr. Oselin of Wrentham, 48, duck; K. Baker of Attleboro, 45, duck; Clinton Rockwood of Norfolk, 45, duck; Eric Anderson of Mansfield, 44, duck.

In the Christmas Handicap skeet shooting contest, Carl Anderson of Mansfield was high man with score of 50 and carried home a goose. Other scores and prizes follow: Roy Potter, 47, goose; George Knowles of South Attleboro, 46, chicken; Fred Wilmarth of Attleboro, 46, chicken; K. Baker of Attleboro, 45, chicken. Benjamin H. Bristol was runner-up with score of 43.

So much enthusiasm has been manifested and the weather has been so propitious that the association plans to continue the skeet shoots every Saturday afternoon during the winter if the weather permits.

WHEN pitching the tent for the night or for a prolonged stay, don't overlook ditching it. This consists of digging or scraping a trough in the ground directly under the tent walls so that rain and moisture may be conducted into it and absorbed into the ground instead of running into the tent itself and creating discomfort and inconvenience. A good job of ditching is appreciated most when the rain is "pelted down" and the ditching is working right.

SNOWSHOEING in a bright sunlight is apt to produce great discomfort unless one is provided with glasses of amber or some tinted glass. The symptoms of eye distress are gradual but progressive and those who have gone through a "siege" of it seldom care to "demonstrate" it a second time. Snowblindness is a positive peril to one alone on the trail as many a hardy woodsman can testify.

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Goodrich "Lite-n-tufs" Rubber Boot for fishermen. You'll be delighted with the feather weight, the flexibility and the sturdiness of this Goodrich "Lite-n-tuf." It's as easily packed in the duffel as a shoe. Its lightness is due to a special rubber compound invented by Goodrich. "Lite-n-tufs" come in snappy buff with swagger red line 'round the top. Also in stock black. All lengths knee to hip. Corrugated, firm-gripping soles; lug-o-war heels. Given as a prize for 10 new subscriptions at \$7.00 each.



Shaanun Twin Splinter Feather Fly with 8-0 with barbless hook—a real sportsman's bait that is a fish-getter. Given as a prize for 1 new subscription at \$1.00.

One-piece steel Gop-Rod No. 850 Solid Chrome Vanadium Spring Steel Tip forged and ground in Hexagon shape in one-piece. Highly tempered. Trimmed with genuine agate guides and top tip. Guides always kept in proper alignment through patented non-twisting feature. Cork grip drop handle with Automatic Reel Lock and Automatic Rod Lock. High grade cloth case. Lengths: 3, 3 1/2, 4, 4 1/2 and 5 ft. Given as a prize for 12 new subscriptions at \$1.00 each.



One-Piece Steel Gop-Rod No. 550D. Solid Chrome Vanadium Spring Steel Tip forged and ground in one piece. Hardened and tempered by latest heat treating methods. Finished with two coats of rubber tough black enamel. Trimmed with genuine guides sound on with nickel silver wire. Solid nickel silver top tip with agate insert. Cork grip detachable drop handle with Automatic Reel Lock and Automatic Rod Lock. High grade cloth case. Lengths: 3, 3 1/2, 4, 4 1/2 and 5 ft. Given as a prize for 8 new subscriptions at \$1.00 each.



Air-Fed New, Full Floating Minnow Bucket Keeps Minnows Alive and Fresh for Days in Hottest Weather and When Carried over Rough Roads. No Other Duck Can Supply Air Automatically. Given as a prize for 6 new subscriptions at \$1.00 each.



Creek Chub Wiggler—A splendid lure for all kinds of fish. Given as a prize for 1 new subscription at \$1.00.



1516 Angle Prize One-piece "Never-Leak" Top and Bottom.

Hedden 1500—Prize Angler Tackle Box No. 1516 (16" only). Made in the new One-Piece "Never-Leak" construction. Top and bottom stamped out of single sheets of lead-coated sheet-steel. Round corners, no seams, water-tight under all conditions, even if abused. Given as a prize for 8 new subscriptions at \$1.00 each.



Bevis - Wilcox Pilot Brand All-Weatherproof Silk Casting Line. 18 lb. test. 50 yd. spool given as a prize for 2 new subscriptions at \$1.00 each.



No. 1416 "JIFFY"

HANDLE FORMS LEG FOR COVER

One-piece "Never-Leak" Top and Bottom Hedden Jiffy Box No. 1416 An exceptionally sturdy, compact, and convenient box. Top and bottom pressed out of single sheets of lead-coated sheet-steel, making them absolutely watertight. No joints or seams. Rounded corners which will not catch in clothing or in handling. Has one sliding Cantilever tray which slides back automatically when top is opened. Given as a prize for 3 new subscriptions at \$1.00 each.



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Creek Chub "New Plunker." 3 inches long—Given as a prize for 1 new subscription at \$1.00



No. E524—Estwing Scout Ax. Its moody appearance and absolute dependability makes it the favorite of all who use it. The bit is thin, has the temper, and cuts very easily. Length, 33 1/2 in.; 3 1/2 in. cut, with hide leather belt sheath. Given as a prize for 3 new subscriptions at \$1.00 each.

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A GREAT NEWSPAPER has given us ammunition for self-defense. If you regret our threatened dismember, as so many thousands have written me, ship a stamp. The House O' Shift, North Woodstock, N. H.

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January 31st, 1929.

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THE OVR UNDA GUN for trap or field. The greatest improvement in a sporting gun in generation. Circular on request. Baker & Kimball, 38-D South St., Boston, Mass.

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SAVAGE 303, model 99B, 26 inch barrel, sheared gold sight, new last season, price \$33. Money back if not satisfied. Norman F. Bell, Warren, Mass.

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BEAUTIFUL, English Double Barrel 20 gauge, 28 inch, made by Wright, single trigger, removable side locks, finely engraved, automatic ejectors, 1 1/2 x 2 1/4 x 14; weight 6 lbs., condition like new. (Capt. Paul Curtis, Shooting Editor of Field & Stream, owns and shoots a pair of these guns.) Cost \$750.00; a bargain at \$450.00. Shipped C. O. D., with privilege of examination. Wm. Krippner, 342 Madison Ave., New York.

MUST SACRIFICE 08-G Savage 300, new last Fall, perfect. Merbis peep rear, folding leaf center, V. M. rear, \$42.00. Guy Lindsay, East Barnet, Vt.

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DOG OWNERS—Stop running fits in three days; harmless remedy, guaranteed cure or money refunded. Send \$1.00 with order. Reference First National Bank. Mayfield Kennel, R-338, Mayfield, Ky.

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THREE ROOM COTTAGE in the woods, overlooking beautiful Bear Lake, Manistee County, Michigan, U. S. 31. Sandy beach, fishing, bathing, hunting. Only \$900. Write Owner, S. Brunk, Eaton Rapids or J. Clouse, Bear Lake.

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ATTRACT WILD DUCKS, Fish, Muskrats, Upland Game Birds and Animals . . . Plant Natural Foods that will bring and hold large numbers at your favorite hunting or fishing grounds. Wild Rice, Wild Celery, Duck Potato and 30 others described in free illustrated book. Write, describe grounds, and receive planting advice and book. Wisconsin Aquatic Nurseries, Box 331-L, Oshkosh, Wis.

DUCK FOODS that bring Ducks in swarms, also attract fish, game, muskrats. 33 years experience. Suggestions free. Terrell's Aquatic Farm, 315 E. Blk., Oshkosh, Wis.

MINNESOTA WILD RICE SEED—Write for special prices. Prompt delivery. MacGregor-Dennery, Atkin, Minn.

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I CATCH from 45 to 60 Foxes in from four to five week's time. Can teach any reader of this magazine how to get them. Write for particulars. W. A. Hadley, Stanstead, Quebec.

GIBBS makes Hawk Traps, Live Muskrat Traps, Single Grip coil spring traps in all sizes. Humane Traps that kill any fur animal from a weasel to a bear. One size for stretchers that will take any hide from a weasel to wolf. Trap Tags. Send for free catalog. W. A. Gibbs & Son, Dept. 11-D, Chester, Pa.

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PHEASANTS—Ringneck and Golden. Also Japanese Sikris. Eggs and stock. Every Poultry Farm, R-3, Portland, Ind.

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SILVER FOXES—40% guaranteed first year. We ranch them for you. Dr. Starr, 133 East 47th, Chicago, Ill.

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LARGE NORTHERN MUSKRATS—Live delivery and sex guaranteed. Order now. Red Oak Game and Fur Farm, Boylston, Minn.

LIVE MUSKRATS. Delivery now. Blue, \$25.00 per pair; extra males \$7.00 each. Brown, \$15.00 per pair; extra males, \$5.00 each. Live delivery at destination, and sex guaranteed. Dept. 7-D, W. A. Gibbs & Son, Chester, Pa.

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FOR SALE—All sizes, expert handled Elk Heads, Moose heads, Mountain Sheep and Goat heads; Caribou heads, Mule and White Tail Deer heads, Buffalo and Prong Horn Antelope heads; Scapels to mount or remount the horns you now have. Mountain Lion and Bear skins. Sets of horns, guaranteed goods. Trade prices to all; duty free. Satisfied customers everywhere in U. S. A. Edwin Dixon, Dealer in Game Heads, Unionville, Ontario.

GLASS EYES AND SUPPLIES for Taxidermist. Ask for cat. No. 90, N. W. School of Taxidermy, Dept. 90, Omaha, Nebr.

FOR SALE—Large and medium sizes newly mounted Moose heads, Alaska Caribou heads, Canadian Winter Killed Elk heads, Mountain Sheep and Goat heads, Buffalo and Prong Horn Antelope heads, Rocky Mountain Mule Deer and White Tail Deer heads; carefully selected heads newly mounted by the best methods of modeling, Museum Taxidermy, reasonable prices. I will ship express prepaid for examination anywhere in U. S. A. Not a penny of expense or liability if not wanted after examination. Twenty-five years selling these goods all over U. S. A. and everyone satisfied. No lists . . . state what you are interested in; absolute satisfaction guaranteed or no sale. Edwin Dixon, Canada's Leading Taxidermist, Unionville, Ontario.

SHIP US YOUR TROPHIES, no matter how large. taxidermist's service—established 25 years—equipped to handle anything in the line of taxidermy, furs, tanning, rugs and robes. Experts on fish mounting; taxidermist's supplies, Aard-Vark Shop, Karl W. Kshmann, Box 82, 2313-15 Lincoln Ave., Chicago.

FOX HORNS—30 day's trial—money back guarantee—Illustrated booklet. Karl W. Kshmann, 2513 Lincoln Ave., Box 53, Chicago, Ill.

MISCELLANEOUS

SALE OR EXCHANGE—1925 Harley-Davidson Twin Motor-cycle. Will consider Outboard Motor, fishing tackle or what? Platt Menfort, Huntington, L. I.

SPORTSMEN . . . Repair your rubber boots successfully with "Victory Rubber Gum," 75c per can; postpaid. Victory Mfg. Company, 630, S. Crouse Ave., Syracuse, N. Y.

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SINKER MOLDS for making your own sinkers. All popular sizes, easy to operate, last a lifetime. Complete instructions with mold, \$1.00. Dolph Mfg. Co., Cedar Rapids, Iowa.

PALMA BRAVO WOOD for rods, bows and stocks. Send for sample piece. International Agencies, 1537 Sixth Avenue, Los Angeles, Calif.

DOG COLLAR NAME PLATES, 20c; Key checks, 15c. All kinds of badge emblems on key checks. Le Roy H. Eckels, 1237 N. 6th St., Harrisburg, Pa.

BUILT TO ORDER—Elicory six strip fishing rods, are built for Quality, Service and Strength, to meet the demand of the best fishermen. Get my descriptive folder and price-list, it's free. All kinds of rod repairing. John L. Barker, Rte-5, Marysville, Ohio.

WE SELL, EXCHANGE AND BUY Pups of all kinds, also supplies. Lyons Pet Exchange, Springfield, Mo. Established 1913.

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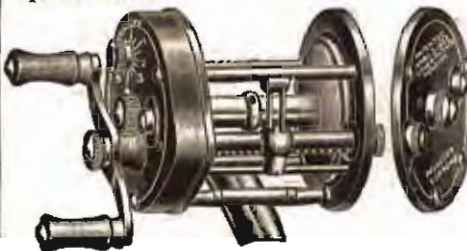
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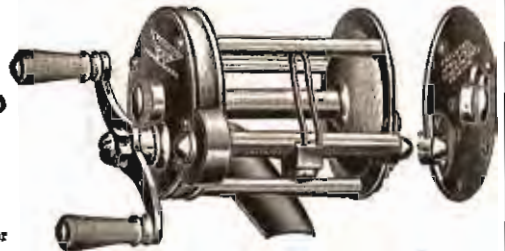
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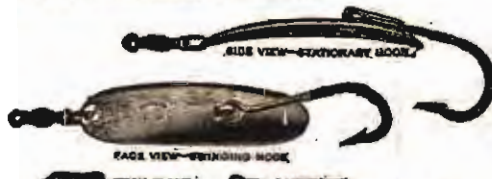
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