


RIFLE  
AND  
ASSOCIATION  
OF AMERICA

# ARMS AND THE MAN



LONG RUNS OF BULL'S EYES MARK N. R. A.  
MATCHES

OUTDOOR SMALL-BORE GAME POPULAR AT  
CALDWELL RANGE

RICOCHETS FROM THE BUTTS

FURTHER TESTS OF PISTOL AMMUNITION

EDITORIALS and

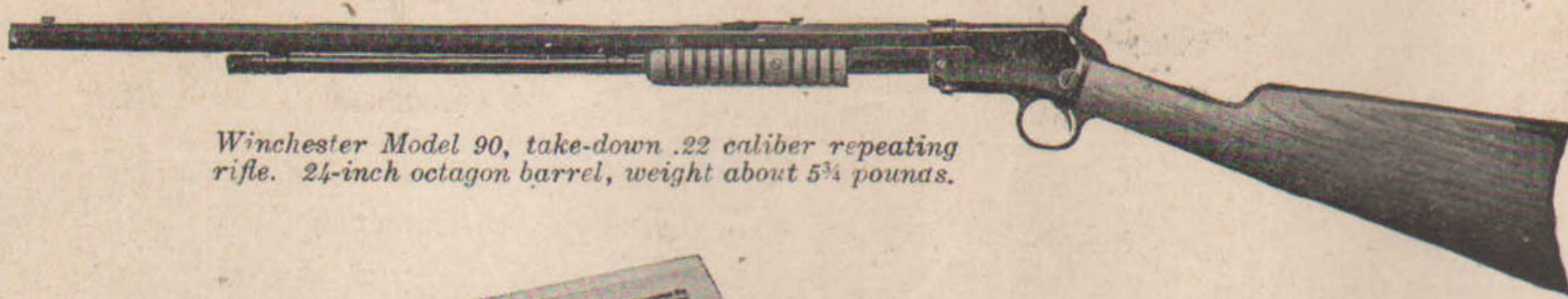
THE LATEST NEWS OF RIFLE, REVOLVER AND  
SHOTGUN; THE ARMY, NAVY AND  
THE NATIONAL GUARD

VOL. LXVI, No. 22



AUGUST 23, 1919





Winchester Model 90, take-down .22 caliber repeating rifle. 24-inch octagon barrel, weight about 5 $\frac{3}{4}$  pounds.



## Famous repeater now chambered for .22 Long-Rifle cartridge

**A**LL riflemen will be interested to learn that in response to repeated demands, the Winchester Model 90 slide action repeater has been adapted to the .22 Long-Rifle cartridge.

The Model 90 has been the standard .22 repeater for small game and target shooting for over twenty-five years. It is used by the best professional fancy rifle shots both here and abroad.

The mechanism is strong and simple—sure to function and fast in action. The parts are few in number and made by the Winchester interchangeable system. The gun is easy to clean, and can be taken down instantly.

The breech bolt is in plain view, and is of such size as to permit the use of a strong firing pin and ex-

tractor, and also to offer a good cover for the base of the cartridge. The mechanism is such as to prevent the pulling of the trigger until the breech bolt is closed and the gun locked.

The Model 90 will be furnished as before to handle the .22 Short and Long cartridges, as well as its famous .22 Winchester Rimfire cartridge, with inside lubricated bullet.

Now it can also be obtained especially chambered for the .22 Long-Rifle cartridge.

Each rifle will shoot *only* the cartridge for which it is chambered, as stamped on the barrel. The magazine holds fifteen .22 Shorts, or twelve of the longer cartridges.

The Winchester Model 90 can be furnished with the following special stocks, singly or in combination: pistol grip stock, checked stock, fancy walnut stock.

**Winchester Repeating Arms Co.**  
Dept. 1963 New Haven Conn., U. S. A.

# WINCHESTER

World Standard Guns and Ammunition





The Official Organ of the National Rifle Association of America

Volume LXVI, No. 22

WASHINGTON, D. C., August 23, 1919

\$3.00 a Year. 10 Cents a Copy

# Long Runs of Bull's Eyes Mark N. R. A. Matches

By **KENDRICK SCOFIELD**  
(Special Correspondence to ARMS AND THE MAN)

Navy Range,  
Caldwell, August 20.

THE "possible score" as a criterion of excellence in marksmanship was robbed of much of its prestige by hard-holding riflemen entered in the National Rifle Association Matches the week ending August 16.

In three of the events—the Members' Match, the Rapid Fire Match and the Mid-Range Match—the accomplishment of running off the prescribed number of shots and keeping them all in the black was not sufficient to pull down first honors; therefore each of these contests was won by virtue of a possible score backed up by long runs of consecutive bull's-eyes. Strangely enough not one of the many old-timers on the range managed to be in front at the finish of any of these events, "dark horse" entrants nosing out the veteran shots in the final stages.

On the pistol range, too, the scores were above the average, A. P. Lane, the Olympic champion, contributing to the interest of the hand gun events by hanging up a record of 293 with the automatic over the National Match course, in competition with target revolvers, and by breaking his own record by a score of 294 x 300 in the N. R. A. pistol Team Match. Lane shot his record score after hurrying from the rifle range, where he had been shooting a Springfield all the morning, a circumstance which makes his performance all the more remarkable.

These are the results of the Matches:

*The Members' Match:* Won by Corporal C. P. Kennedy, U. S. M. C., with a possible score of 50 at 600 yards, plus 35 additional bull's-eyes, or a total of 45 bull's-eyes; J. W. Hession, New York Athletic Club, second, on a possible score plus 11 bull's-eyes, and R. H. McGarity, District of Columbia Civilian, third on a possible score plus 7 bull's-eyes.



A. P. Lane, the Olympic champion, who set a new world's record and won the N. R. A. Individual Pistol Match, score, 293.

*The Mid-Range Match:* Won by Sergeant C. McNutt, U. S. Cavalry, with a score of 100 at 500 yards, plus 14 additional bull's-eyes; J. A. Carson, M. B., 2 cl., second on a score of 99; Lt. C. Thompson, U. S. M. C., third on a score of 98.

*The Rapid Fire Match:* Won by Corporal R. O. Coulter, U. S. M. C., on a perfect score of 100, plus 50 bull's-eyes or a total of 70 bull's-eyes. Private R. Moore, U. S. M. C., second on a perfect score of 100, plus 49 bull's-eyes; C. M. Gettys, Wyoming Civilian, third on a perfect score plus 39 bull's-eyes.

*The Marine Corps Cup Match:* The event on the week's program of greatest importance in the eyes of riflemen—Won by Sergeant C. D. Thompson, U. S. M. C., with a score of 193 out of 200 with Lt. J. L. Zimmerman, U. S. M. C., second, on a similar score, and Sergeant G. F. Thompson, third, on a total of 192.

*N. R. A. Individual Pistol Match:* Won by A. P. Lane, Norwalk Connecticut Rifle Club, score 293; Dr. H. A. Bayles, Connecticut Civilian Team, second, score 286; Thomas Le Boutellier of New York, unattached, third, score 285.

*Enlisted Men's Team Match:* Team No. 2, score 536; U. S. Won by U. S. Marine Corps

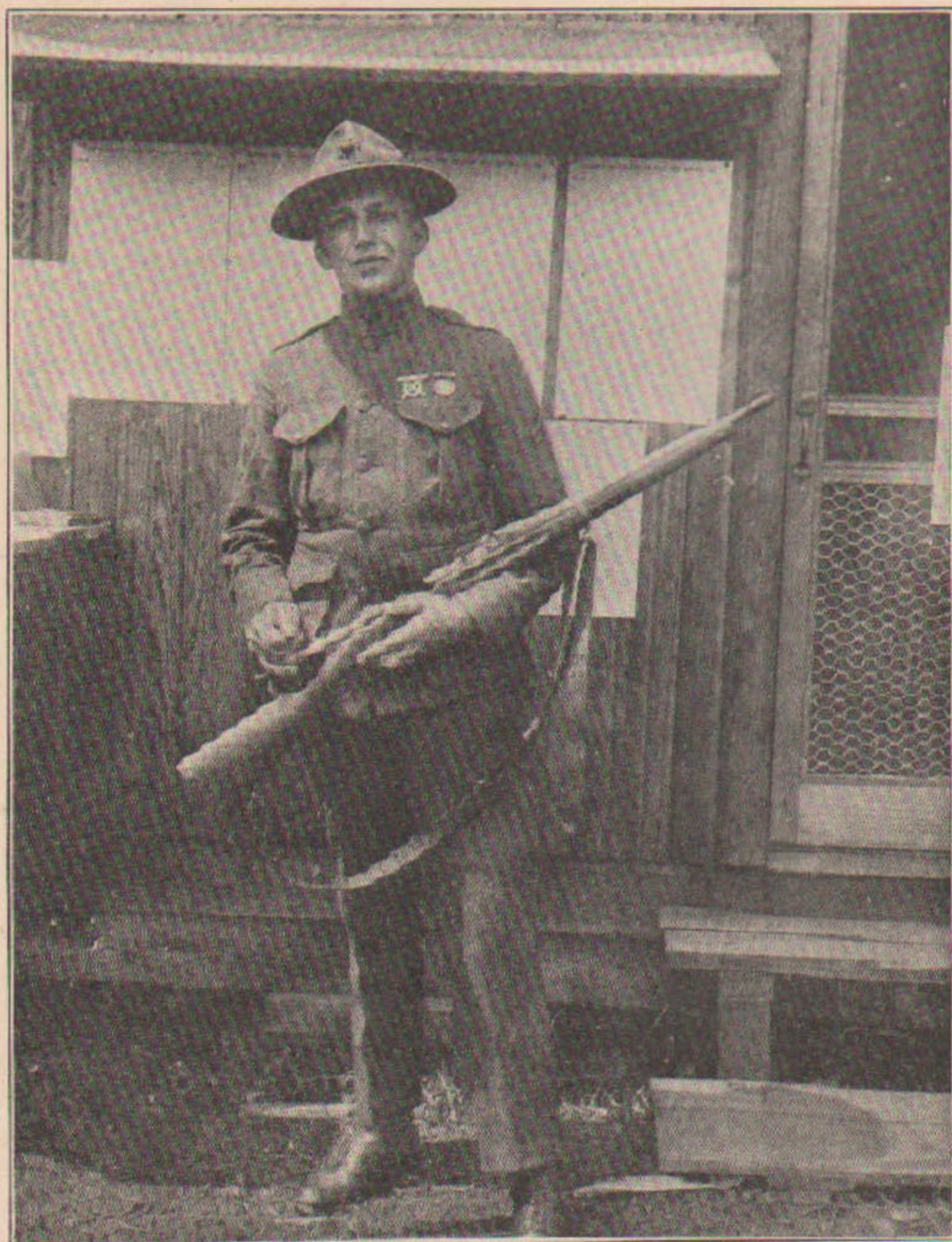
Marine Corps Team No. 1, second, score 536; Great Lakes Naval Training Station, third, score 532.

*Regimental Team Match:* Won by 6th Regiment, U. S. Marine Corps, score, 1614; 8th U. S. Cavalry Team, second, score, 1610; 13th Regiment, U. S. Marine Corps, third, score, 1584.

*Veteran Team Match:* Won by U. S. Marine Corps Team No. 1, score 1686; U. S. Marine Corps Team No. 2, second, score, 1656; U. S. Marine Corps Team No. 3, third, score, 1628.

*State Team Match:* Won by the Connecticut State Team,





Cpl. C. P. Kennedy, U. S. M. C., winner of the Member's Match on a perfect score plus 35 additional bull's eyes.

No. 1, score, 1640; District of Columbia Civilian Team No. 1, second, score, 1604; Texas Civilian Team No. 1, third, score, 1599.

*Pistol Team Match:* Won by Greenwich, Connecticut, Rifle Club, score, 1391; Infantry Team No. 1, second, score, 1347; U. S. Cavalry, third, score, 1328.

*Police Team Match:* Won by Philadelphia Police Team, score, 1246; Independent Police, second, score, 1135; Essex County, New Jersey, Park Police, third, score, 1127.

The weather at Caldwell during the bulk of the N. R. A. matches was a considerable improvement over that with which the Leech Cup was ushered in. Monday and Tuesday morning the sun bathed the camp, drying out most of the pools remaining from the flood. During this period, the aviation field and the small-bore range emerged from beneath the water, the banked-up clay firing lines hardened a bit and the camp took on a brighter, cleaner aspect. But the rain came again Tuesday afternoon and continued at intervals during the remainder of the week. Frequent periods of fair weather, however, prevented the camp from returning to its original condition of sogginess, and a general campaign of grass cutting and oil spraying did much to bring under control the mosquito pest. The clay firing points, however, proved especially susceptible to the showers which punctuated the week, and in many of the matches the shooters were compelled to lie prone in the soft mud in order to register their scores. But match conditions—like battle conditions—cannot be fixed by choice, and the contestants at Caldwell did not stop to grumble, but made the best of things as they came.

The N. R. A. Individual Pistol Match opened the week's N. R. A. Matches. The National Match Pistol Course was prescribed and any automatic pistol or revolver firing .38 or larger calibre permitted. To the winner was awarded a gold

medal, and to those finishing in places from second to tenth inclusive, bronze medals were given.

All of the teams which are now in attendance had not arrived at the time the N. R. A. Individual Pistol Match was shot, but nearly 200 entries were made, among whom were some hand-gun experts of national reputation, including Thomas LeBoutellier, 3d, winner of the N. R. A. match at Camp Perry in 1919, A. P. Lane, the Olympic champion, George Cook, the National Individual Champion of 1916, Paul Raymond of Connecticut, and a sprinkling of good western shots.

The match was held on an improvised practice range, it having been necessary to use, in connection with the rifle events, the targets first set aside for pistol practice and the appearance and disappearance of the targets was simulated by signals. The pistols used in the event included everything from the pocket models in .38 calibre to the heavy black powder .45 calibre "smoke wagons." When the firing finished, the Olympic Champion had proved to the satisfaction of all who stacked up against him that his skill with the hand-gun has in no wise diminished. Using a .45 calibre Colts automatic he hung up a score of 293, with his nearest competitor 7 points below him. The high 25 scores in the N. R. A. pistol match included:

Order	Name	Organization	Slow R. F. R. F.			Total
			Fire	20 s.	10 s.	
1.	Lane, A. P.,	Norwalk Rifle Club	98	99	96	293
2.	Bayles, H. A.,	Conn. Civ. Team	95	98	93	286
3.	LeBoutellier, T.,	Unattached	97	96	92	285
4.	Wade, J. A.,	Wyo. Civ. Team	97	94	92	283
5.	Bailey, J. S.,	Texas Civ. Team	99	92	92	283
6.	Ramcc, P.,	Phil. Scouts	98	98	87	283
7.	Thomas, Herman,	Phila, Rifle Asso.	99	90	93	282
8.	Spooner, L. S., Lt.,	A. E. F.	96	95	91	282
9.	Frederick, K. T.,	Manhattan R. & R. C.	98	95	89	282
10.	Cook, G. E.,	Ord. Dept., U. S. A.	97	93	89	279
11.	Parsons, G. A.,	13th Cavalry	94	91	92	277
12.	Miller, G.,	Air Service	90	94	92	276
13.	Hoguc, C. S.,	Frankford Arsenal	93	97	86	276
14.	Raymond, P. A.	Conn. Civ. Team	98	94	82	274
15.	O'Connor, M.,	U. S. Infantry	94	92	87	273
16.	Osborn, C. F.,	U. S. Navy	97	94	81	272
17.	Gettys, C. H.,	Wyoming Civ. Team	94	85	91	270
18.	Howe, G. V.,	8th Cavalry	92	91	87	270
19.	Smith, R. W.,	A. E. F. Rifle Team	95	91	84	270
20.	Christofferson, C.,	10th Cavalry	96	94	80	270
21.	Martin, I. S.,	U. S. Cavalry	88	93	87	268
22.	Lee, W. A.,	U. S. Navy	91	92	84	267
23.	Nickerson, B. B.,	Phil. Scouts	95	83	87	265
24.	Stewart,	U. S. Navy	91	93	82	266
25.	Walker, S. P.,	4th Cavalry	91	88	86	265

The Enlisted Men's Team Match was being shot on the rifle range, while the pistol competition was being held. The course of fire called for two sighting shots and 10 shots for record each at 600 yards and 1,000 yards, with any military rifle. Conditions during this match were perhaps the best that the riflemen had encountered at Caldwell up to that time.

A light wind and a clear sky favored the shooters, but many marksmen seemed to be bothered by a mirage which boiled up in front of the butts. The scores were high, nevertheless.

The Leatherneck teams easily took the lead among the sixteen entrants, but the Great Lakes Naval Training Station put up a plucky battle throughout the match, and at the close of the 600-yard stage was sharing the lead. When the teams lined up for the 1,000-yard firing, Great Lakes, Marines No. 2 and the A. E. F. Team were tied for first place. Close shooting held them in crowded formation until the last shot was fired, but the last man on the Navy team broke the bunching by firing his last shot on the wrong target.

The Marines have won the Enlisted Men's Team Match every year since 1915. The scores for the 16 teams in this competition are:



Order	Team	600 Yds	1000 Yds	Total
1	U. S. Marine Corps, Team No. 2.....	270	266	536
2	U. S. Marine Corps, Team No. 1.....	283	253	536
3	Great Lakes Naval Tr. Station.....	283	249	532
4	U. S. Infantry.....	278	253	531
5	A. E. F. Rifle Team.....	283	243	526
6	Philippine Scouts, Team No. 1.....	272	252	524
7	U. S. Cavalry.....	274	247	521
8	Company "C," Marine Det.....	274	232	506
9	Philippine Scouts, Team No. 2.....	272	233	505
10	Quantico Rifle Range Team.....	275	228	503
11	U. S. Navy, Team No. 2.....	255	240	495
12	U. S. Navy, Team No.1.....	264	230	494
13	3rd Inf. Wash. N. G., Team No. 1.....	242	207	449
14	C. A. C., U. S. A.....	254	192	446
15	3rd Inf. Wash. N. G., Team No. 2.....	229	203	432
16	1st Sep. Bn. Inf., Cal. N. G.....	230	163	393

The first relays in the Members' Match which was shot August 12, enjoyed conditions that did not impose any difficulties too great to be coped with by experienced riflemen, and as the day wore on, those who were in the afternoon relays, during the time when the range was clouded over preceding the rain which marred the final shooting hours of the day, found nothing of which to complain.

The two sighting shots and 10 shots for record at 600 yards proved easy for 9 of the hundreds of contestants, these men making the possible score; wherefore it soon became apparent that a mere 10 holes in the black would avail little in deciding the event, and the men who had scored up 50 out of 50 continued shooting to decide the tie by the long run of bulls. Two of those tied on possibles could not put over the 11th bull; Marine Gunner Shriver went out on his 12th shot; 13 proved unlucky to Lieutenant Disbrow of the A. E. F.; Lieutenant Spooner of the A. E. F. managed to get by with his 13th center shot, but fell out on the next; Lieutenant Wierzbrowski, U. S. N. tacked on 6 extra and R. H. McGarity of the District of Columbia Civilians added 7 as his claim on first place; John W. Hession of the New York Athletic Club got by with 11 extra to his credit. About the time the dull gray light, which is the best for high scores, brooded over the range, and the wind had fallen until it was negligible in force, C. P. Kennedy, a Marine corporal, ran his perfect score, and started in to present his claim for first place. He easily distanced McGarity, and by the time he had crept up on and passed Hession, it was apparent that while a good score under existing conditions was only a question of holding, that Kennedy had the goods in this respect. Steadily and rapidly Kennedy fired, every one of his shots going into the black. Word soon passed down the line that there was an aspirant for record honors at 600 yards, now held by Lieutenant Braden of West Virginia, who in a match at Jacksonville for a medal for the longest run of bulls, piled up 52 at that range, and a gallery quickly gathered to see the Corporal who was not even a member of the regular Marine Team put up his score. He fired without scope or firing-line accessories, and used the service rifle and service ammunition, feeding the cartridges from the magazine instead of using his rifle as a single shot as most match riflemen do. Up toward the half-hundred mark ran Kennedy's score but when he had put on 35 additional bull's-eyes, giving him a straight run of 45 he went out for a 4.

Candor at times is to be found on a firing line, and as Kennedy left his peg, one of the gallery asked him: "Did you ever do anything like this before?"

"Made 46 once," replied the Corporal.

"Forty-six bull's-eyes straight?" came back the incredulous inquisitor.

"Certainly not!" Kennedy came back. "Forty-six out of a possible fifty."

The scores of the high fifty contestants in the Members' Match included:

Order	Name	Organization	Score
1	Kennedy, C. P., Cpl., U. S. M. C.....		50 Plus 35 Bulls
2	Hession, J. W., N. Y. A. C.....		50 Plus 11 Bulls
3	McGarity, R. H., D. C. Civ. Team.....		50 Plus 7 Bulls
4	Wierzbrowski, J. S., U. S. Navy.....		50 Plus 6 Bulls



Sgt. C. D. Thompson, winner of the Marine Corps Cup with a score of 193 out of possible 200.

5	Spoooner, L. T., 1st Lt., A. E. F. Team.....	50	Plus 4 Bulls
6	Disbrow, H. W., Capt., A. E. F. Team.....	50	Plus 2 Bulls
7	Shriver, O. M., Gun'r, U. S. M. C.....	50	Plus 1 Bull
8	Osborn, C. T., Comdr., U. S. Navy.....	50	
9	Crowley, T. B., Sgt., A. E. F. Team.....	50	
10	Anderson, H. H., Maj., U. S. Cavalry.....	49	
11	Adams, H. L., Maj., U. S. Cavalry.....	49	
12	Cornwall, G. B., D. C. Civilian.....	49	
13	Stout, W., Ohio Civ. Team.....	49	
14	Martin, W. B., New Jersey.....	49	
15	Burson, I. D., U. S. M. C.....	49	
16	La Tourett, I. D., Arizona Civ. Team.....	49	
17	Faragher, J. J., 2nd Lt., U. S. M. C.....	49	
18	Maxwell, W. J., Citadel, M. C.....	49	
19	Romalewski, S., Sgt., U. S. Cavalry.....	49	
20	Brown, C. M., Capt., U. S. Infantry.....	49	
21	Kimberling, M. O., Capt., U. S. Infantry.....	49	
22	Dunham, M. W., Sgt., U. S. M. C.....	49	
23	Brown, T. G., 1st Lt., U. S. Infantry.....	49	
24	Klinge, J. F., Hudson R. C.....	49	
25	Wilson, L. E., Idaho Civ. Team.....	49	
26	Schnerring, J. G., Phil. Rifle Asso.....	49	
27	Baker, S., Norwalk Rifle Club.....	49	
28	Thomas, D. W., Sgt., Utah N. G.....	48	
29	Reyburn, L. H., 1st Lt., U. S. M. C.....	48	
30	Wade, J. A., Wyoming Civ. Team.....	48	
31	Cotton, R. E., Capt., A. E. F. Team.....	48	
32	Sexton, J. P., Douglas Rifle Club.....	48	
33	Kingsley, Utah Civ. Team.....	48	
34	Snyder, M. D., Albion Rifle Club.....	48	
35	Hampton, A. C., Citadel M. C.....	48	
36	Gajol, F., Sgt., Philippine Scouts.....	48	
37	Winwood, J. H., Utah Civ. Team.....	48	
38	Weznewski, S., Cpl., U. S. Infantry.....	48	
39	Brandon, L. M., Pvt., U. S. M. C.....	48	





At the target butts during the N. R. A. Pistol Team Match.

40	Smith, S., 1st Sgt., A. E. F. Team.....	48
41	Wernz, J. H., Rochester Rifle Club.....	48
42	McGuire, J., Gy. Sgt., U. S. M. C.....	48
43	Hart, A. E., Ohio Civ. Team.....	48
44	Weigle, C. L., Gy. Sgt., U. S. M. C.....	48
45	Miller, C., 1st Lt., U. S. Cavalry.....	48
46	Holzbaur, H., GM3cl., U. S. Navy.....	48
47	Davidson, W., 1st Lt., U. S. Infantry.....	48
48	Purdy, B. W.....	48
49	Jones, T. J., Sgt., U. S. M. C.....	48
50	Ramcc, P., Capt., Philippine Scouts.....	48

Five hundred competitors were attracted by the Marine Corps Cup Match, one of the classics of the N. R. A. Program, when the squads for the first stage were ready for the firing line August 13. Two sighting shots and 20 shots for record at 600 yards and 1,000 yards with any military rifle are prescribed in this event, and all day August 13, the half-thousand competitors shot through the first half, beginning at 8:30 in the morning and firing until after recall sounded at 5:30. The first few relays found some difficulty in connecting their bullets with the black, but generally the 600-yard shooting was under a dull, even light and practically a zero wind.

At the close of the first day, Lt. B. L. James of the U. S. Infantry was in the lead on a perfect score of 100, with W. R. Stokes of the District of Columbia Civilian Team, second and M. W. Durham third, each with 99 to his credit, while six men filled the places next to the leaders, each with a score of 98.

When the 1,000-yard stage of the match was reached, August 14, out of the first 25 men, the Marine Corps was represented by only 5 shooters, scattered from third to 24th place, but on the long range the Leathernecks came into their own. Rain in the morning caused a postponement of the shooting until afternoon, but even then the first relays found a heavily overcast sky and a dim, uncertain light, accompanied by a tricky wind. Lieutenant James was unable to make his possible of the previous day repeat under the variable air currents which make the Caldwell long range their playground, but the later relays found an improvement in conditions so far as the light was concerned. Many of the others who had finished well at 600 found the final stage too much for them, but Lt. J. A. Zimmerman, and Sergeants G. F. Thompson and M. W. Durham of the Marine Corps, who had finished in the first twenty-five in the 600-yard stage were able to crawl higher upon the list, while Second Lieutenant J. J. Faragher, Corporal F. H. Walters and Sergeant C. D. Thompson, all of whom had made less than 96 at 600 yards moved up to join them. Sergeant C. D. Thompson, by hanging up a score of 98 at 1,000 yards to add to the 95 which he had made at the mid-range, won the event. The high hundred in the Marine Corps Match included:

Order	Name	Organization	600	1000	Total
1	Thompson, C. D., Sgt.,	U. S. M. C.	95	98	193
2	Zimmerman, J. L., 1st Lt.,	U. S. M. C.	97	96	193
3	Thompson, G. F., Sgt.,	U. S. M. C.	98	94	192
4	Faragher, J. J., 2nd Lt.,	U. S. M. C.	95	95	190
5	Durham, M. W., Sgt.,	U. S. M. C.	99	91	190
6	Waters, F. H., Cpl.,	U. S. M. C.	92	97	189
7	Osburn, C. T., Comdr.,	U. S. N.	94	95	189
8	Wade, J. A., Civ.,	Wyo. Civ. Team	95	94	189
9	Hampton, A. G., Civ.,	Citadel Rifle Team	97	92	189
10	Miller, C., 1st Lt.,	U. S. Cavalry	98	91	189
11	Schroder, C., Civ.,	Calif. Civ. Team	92	96	188
12	Weigle, C. L., Gy. Sgt.,	U. S. M. C.	93	95	188
13	Wise, S. W., Major,	Ord. Dept. U. S. A.	96	91	187
14	Denny, A. D., Lt. Comdr.,	U. S. N.	92	94	186
15	Cahill, J. E., 1st Sgt.,	U. S. Infantry	95	91	186
16	McKenney, J. E., 1st Lt.,	U. S. Infantry	95	91	186
17	Laughlin, J. F., Civ.,	U. S. Infantry	95	91	196
18	Morgan, A. M., Civ.,	D. C. Civ. Team	97	89	186
19	Brown, C. M., Capt.,	U. S. Infantry	98	88	186
20	Nash, P., Civ.,	Rifle Club	93	92	185
21	Crawley, T. B., Sgt.,	A. E. F. Rifle Team	93	92	185
22	Derville, J., Civ.,	Mont. Civ. Team	95	90	185
23	Richard, W. H., Civ.,	Quimpiac R. C.	97	88	185
24	Stewart, R. R., Comdr.,	U. S. N.	91	93	184
25	Dongzalen, S., Sgt.,	Phil. Scouts	95	89	184
26	Crain, N. B., Capt.,	C. A. C.	95	89	184
27	Whittaker, H., Capt.,	U. S. Infantry	97	87	184
28	Nickerson, B. E., Capt.,	Phil. Scouts	91	92	183
29	Van Wie, J. A., Civ.,	N. Y. Civ. Team	93	90	183
30	Espey, H. C., Civ.,	D. C. Civ. Team	94	89	183
31	Bennett, R. S., Cadet,	Camp Devens ROTC.	95	88	183
32	Gray, L., Sgt.,	A. E. F. Rifle Team	95	88	183
33	Snyder, M. D., Civ.,	Albion R. C.	96	87	183
34	Lee, O., Civ.,	Salt Lake R. C.	92	90	182
35	Sipeler, C. G. M.,	U. S. N.	93	89	182
36	Ioerger, F., Snp. Sgt.,	U. S. Infantry	94	88	182
37	Wotkyns, G. L., Capt.,	Ord. Dept. U. S. A.	94	88	182
38	Morison, C., Lt. j. g.,	U. S. N.	95	87	182
39	Arnett, R., Capt.,	U. S. M. C.	95	87	182
40	Kimberling, M. C., Capt.,	U. S. Infantry	95	87	182
41	Klinge, J. F., Civ.,	Hud. Home Guard	96	86	182
42	Hensen, L. V., Gy. Sgt.,	A. E. F. Rifle Team	97	85	182
43	White, R. S., Civ.,	Ind. A. & C. Club	98	84	182
44	Gustafson, K. E., Civ.,	Mpls. Mar. R. C.	89	92	181
45	Silvia, M. T., Cadet,	Camp Owens ROTC.	89	92	181
46	Marler, T. G., 2d Lt.,	Utah, N. G.,	89	92	181
47	Nottke, F. H., Pvt.,	U. S. M. C.	89	92	181
48	Miller, W. W., Civ.,	Penn. State Team	90	91	181
49	Peyton, L. K., Cpl.,	A. E. F. Rifle Team	93	88	181
50	Contapay, J., Sgt.,	Phil. Scouts	93	88	181
51	Shriver, C. M., Gunner	U. S. M. C.	97	84	181
52	Duce, C. K., Civ.,	Maryland Civ.	98	83	181
53	Stokes, W. A., Civ.,	D. C. Civ. Team	99	82	181
54	Oas, E., Civ.,	Rifle Club	90	90	180
55	Lee, W. A., Lt. Comdr.	U. S. N.	90	90	180
56	Hall, E. S., Major,	C. C. H.	90	90	180
57	Clark, A. E., Capt.,	U. S. Infantry	93	87	180
58	Wilson, L. E., Civ.,	Idaho Civ. Team	95	85	180
59	Spooner, L. T., 1st Lt.,	A. E. F. Rifle Team	95	85	180
60	Bayles, H. A., Civ.,	Greenwich R. C.	96	84	180
61	Anderson, H. H., Major,	U. S. Cavalry	97	83	180
62	Sooy, D. R., G. M., 3rd cl.	U. S. N.	87	92	179
63	Fricc, H. A., Civ.,	Wyoming Civ. Team	89	90	179
64	Bryson, F. E., Civ.,	Fla. Rifle Team	91	88	179
65	Tenney, W., Cpl.,	U. S. M. C.	93	86	179
66	Corsa, L. J., Civ.,	Brooklyn R. C.	93	86	179
67	Stokes, W., Civ.,	Salt Lake R. C.	93	86	179
68	Owens, E. L., C. M. M.,	U. S. N.	93	86	179
69	Woodall, G. H., Civ.,	Phoenix R. C.	94	85	179
70	Jackson, H. C., Major,	Univ. Mo. Team	94	85	179
71	Newcomb, E. M., Civ.,	D. C. Civ. Team	95	84	179
72	Kennedy, C. R., Cpl.,	R. R. D.	96	83	179
73	Smith, S., 1st Sgt.,	A. E. F. Rifle Team	97	82	179
74	Mueller, H. J., Civ.,	Ft. Harrison R. T.	97	82	179
75	Hogue, C. S., Civ.,	Frankford Arsenal	98	81	179
76	Masten, J., Civ.,	Tucson Rifle Team	89	89	178
77	Cazzell, L. C., Civ.,	Amarillo R. C.	90	88	178
78	McDonell, W. N., Lt. Com.	U. S. N.	90	88	178
79	Jensen, J. C., Cpl.,	D. C. N. G.	93	85	178
80	McCoury, J., Civ.,	I. A. & C. Club	94	84	178
81	Reyburn, L. H., 1st Lt.,	U. S. M. C.	94	84	178
82	Adams, H. L., Major,	U. S. Cavalry	95	83	178
83	Sexton, J. P., Civ.,	Ariz. Rifle Club	87	90	177
84	Ancelin, R., Cpl.,	U. S. M. C.	88	89	177

(Continued on page 431)



# Outdoor Small-bore Game Popular at Caldwell Range

By KENDRICK SCOFIELD

**U**NDER half a dozen gnarled old apple trees which flank the main approach to the Caldwell Range and which lie between the roadway and a boggy meadow where startled marsh birds rise from clumps of lush grass at the crack of spiteful small-bores, there has risen a unique firing line. It is the first of its kind in the United States. On it a new and fascinating shooting game is being developed. Before the National Matches of 1919 pass on to their niche in shooting history, this little range will have witnessed the International Match with England for the Dewar Trophy, the Small-bore Marine Corps, the Small-bore Wimbledon, the Small-bore National Individual and the Small-bore National Team Match, in addition to a dozen or more minor re-entry and squaddled events.

Many of the minor competitions have already been run off, and in spite of the fact that the .22 calibre layout suffered from the flood more than any other part of the Caldwell Range, miniature rifle shooting has proved one of the drawing cards of the matches.

That the small-bore range is destined to be an important feature of future National Matches cannot be doubted by those who have observed the operation of the miniature firing line at Caldwell, and seldom has any innovation in the shooting game received the general approval of tyro and old-timer alike to the degree that approbation is being accorded to the .22 calibre events at Caldwell.

The first National Match Small-bore range is an object lesson in range efficiency and in the possibilities of small-bore shooting which is being attractively presented to the thousands of shots gathered to participate in the national events.

This is the first time such a range has



Officers of the Small Bore Matches. Left to right: E. Newitt, Statistical Officer; Capt. E. C. Crossman, U. S. A., Chief of Small Bore Range; Capt. G. L. Wotkyns, U. S. A., Range Officer.

ever been attempted on a scale commensurate with the possibilities of the small-bore game, therefore a word as to the actual physical aspect of the .22 calibre firing line where this radical departure from precedent is being staged may not come amiss.

The small-bore layout consists of a shooting shed, open side and ends, reminiscent of the old "boiler house" at Camp Perry, a range house and two banks of targets at 50 and 100 yards. The 200-yard target butt which had been constructed, succumbed to the flood, slipped its moorings, buckled and sank in a mud hole. This butt, however, will be replaced in time for the long range events, or those events will be transferred to the main range.

The range equipment is not of the expensive type; it is crude and thoroughly practical, of a character which permits of its easy duplication by any civilian club no matter how limited their finances or

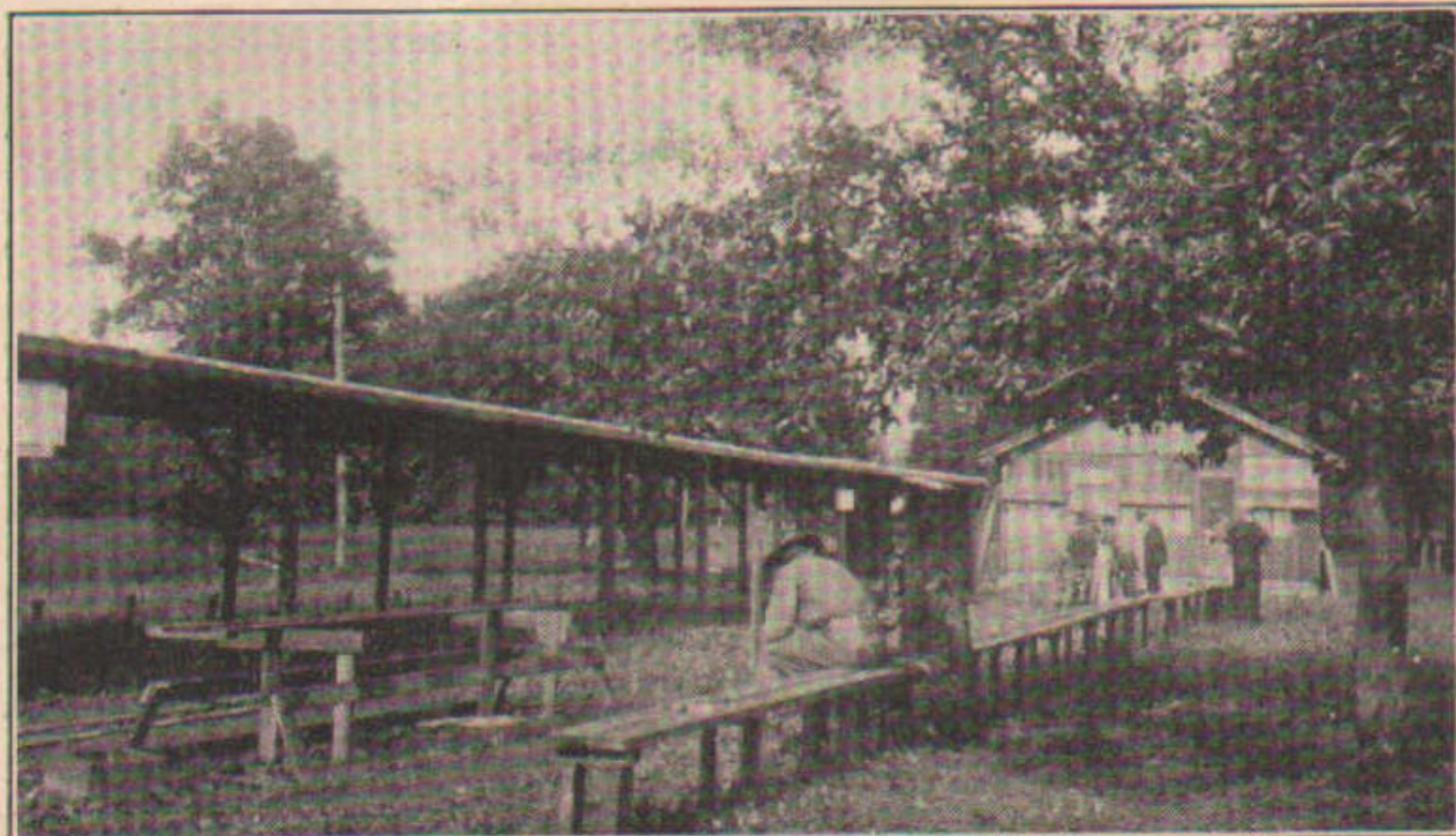
how restricted their available range space. The shooting shed is constructed of unplanned uprights supporting a heavy tar paper roof. In the shooting shed, the hard-packed clay floor has been raised about a foot and down the firing point have been planted pegs, each numbered to correspond with the targets on the butts. The range house, in which the statistical office operates is of similar rude construction. The target butts are merely stout timber framework. There is no backstop on this particular range since the marsh provides a space over which bullets may fly until spent without the least danger to human life. On a club range in a populated section, however, steel plates of the kind ordinarily used in indoor ranges, should back up the targets.

The system under which the small-bore range is operated has been borrowed almost outright from the British Society of Miniature Rifle Clubs, whose members have for many years been developing a policy of range-running with a view of speeding up the game and gaining the maximum of efficiency. On British small-bore ranges it is possible to shoot six men per hour per target in a squaddled competition, or 60 men per hour on a bank of ten targets.

The system in use at Caldwell, while virtually that used in England, has been somewhat modified and will perhaps have to be slightly modified further. For instance the British do not permit free practice prior to competitions. This feature has not taken well with American small-bore enthusiasts—especially those who have shot in several National Matches with the service rifle, and who have come to expect an opportunity to try-out their arms thoroughly before shooting for record.

On the whole, however, the operation of the range under Captain E. C. Crossman, chief range officer of the small-bore layout, and his assistants, Capt. G. L. Wotkyns, Capt. E. Newitt, the Statistical Officer, and Captain Perry S. Schofield,

(Continued on page 429)



Under half a dozen gnarled old apple trees the Small Bore firing line has risen.



Small Bore Shooting Shed—Paul Raymond, of Conn., John G. Schneering of Frankford Arsenal, and other well-known riflemen on the firing line.



# ARMS AND THE MAN

1111 WOODWARD BUILDING, WASHINGTON, D. C.

EVERY SATURDAY

Editor

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KENDRICK SCOFIELD

Entered as second-class matter, April 1, 1908, at the post office at Washington, D. C., under the Act of Congress of March 3, 1879.

That the man shall serve his country in time of war is noble, brave and patriotic; but that a man shall properly prepare himself in time of peace to serve in war is all of these things and more. It is noble with a nobility which is real, not ideal. It is brave with a bravery which assumes in time of unemotional peace many burdens, among them that of bearing the lack of appreciation of those who do not consider military preparation or training necessary.

## YOU CAN'T GET SOMETHING FOR NOTHING

NO better place to observe the American rifleman can be found than a National Match Range. There he is in the open, under conditions which are best calculated to bring to the surface a man's true characteristics. There he is called upon to stand on his own feet and to fight his own battles, whether they be overcoming the logical inconveniences of tent life in a large camp or of besting his rivals on the firing line. If at heart he is a good clean sport, this quality will be unmistakably apparent. If he is lacking in this essential his shortcomings will be equally evident.

From the four corners of the United States more than a thousand experts and amateurs have gathered at Caldwell to attend the big annual shoot. By and large, the boys have showed a good clean sportsmanlike spirit, but here and there have been indications that due largely to a lack of appreciation of what the shooting game demands of the men who are to stand with its leaders or maintain the respect of their fellows, many are starting under handicaps which are self-imposed and easily corrected.

For the past five years the National Board for the Promotion of Rifle Practice under the provisions of law has made it possible for citizens to obtain service arms and ammunition for the purpose of perfecting themselves in marksmanship without any great financial obligation; this for the purpose of stimulating practice among existing rifle clubs and encouraging the nation-wide formation of other clubs and leagues of clubs. Under this system have been brought into the shooting game thousands of men from all walks of life. Some of these men possessed a natural, though unrecognized, love of shooting, but the vast majority undertook rifle practice because it was something new and seemed at first glance to be a recreation

which could be indulged in at government expense, with little or no outlay of money and the possibility of making the State team to attend the annual National Matches—also at government expense. The men in whom a love for the clean sport of shooting developed, have been well worth bringing into the shooting game. At least a percentage of the others could make themselves worth while, but they must first learn the rules of the game.

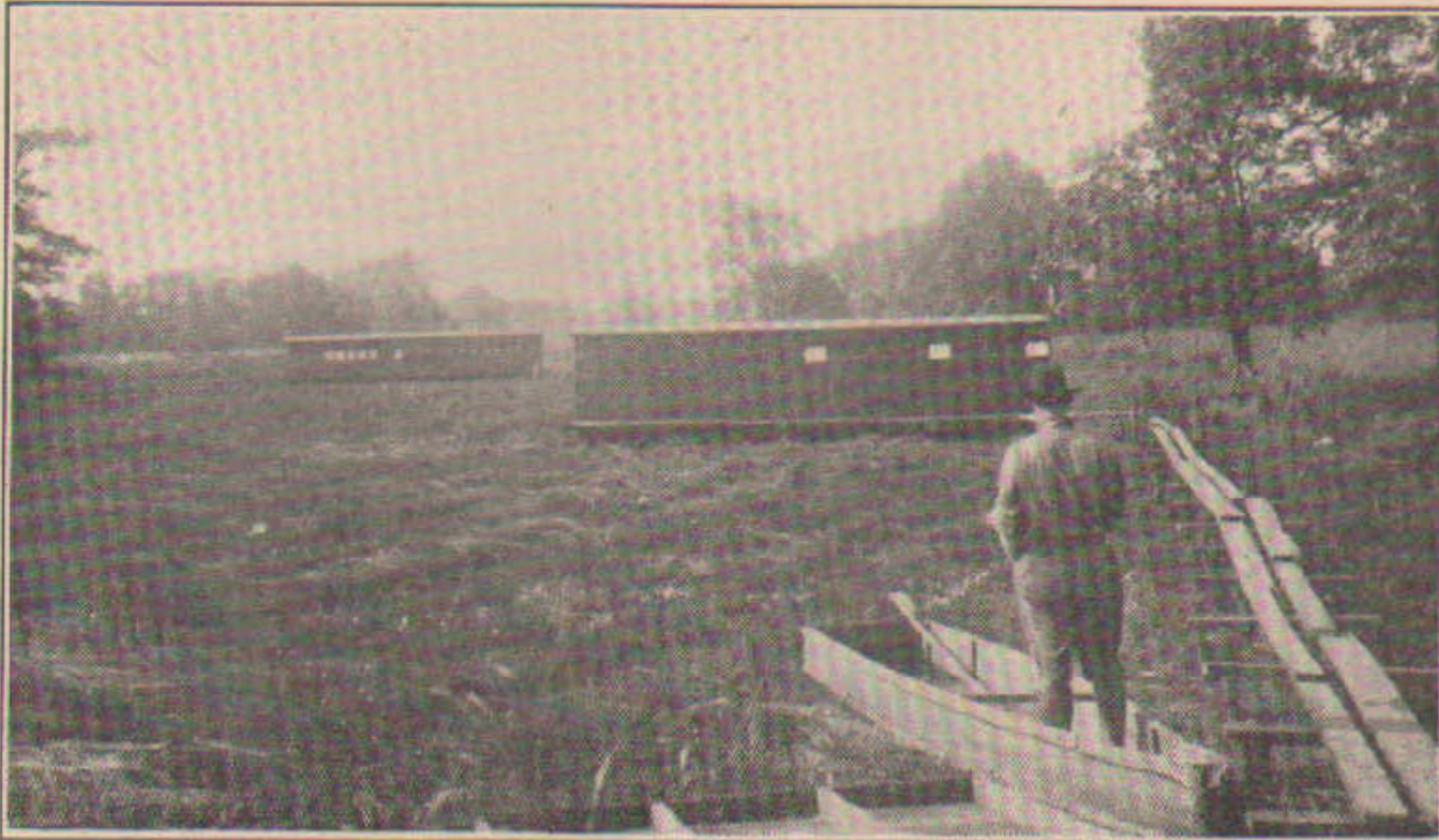
One of the cardinal rules is that a shooter must pay—and *must be willing and glad to pay*—for the privilege of playing so fine a game as that staged upon the rifle ranges of the United States. The government's subsidy to the shooters cannot be and never will be sufficient to permit a citizen to get the fullest benefit or the maximum of enjoyment out of rifle shooting. Army rifles and army ammunition, as well as the gallery rifles and cartridges therefor are intended only to acquaint the tyro with the possibilities of the game. After he has experienced the charm of target practice, it is up to him to provide himself with the proper equipment through outright purchase either from the government—in the case of service rifles—or from the dealers, if he hopes to remain in the game or to make his shooting worth while. At least one thing is undeniably true; no real shooter will long remain content with a borrowed rifle. Every true rifleman wants guns of his own with no strings tied thereto.

Rifle shooting is not a cheap game. That such an impression has apparently spread is unfortunate. The tyro can shoot with government arms and government ammunition on a make-shift range, with small expense—but even with free guns and free ammunition those who have tried it will readily admit that incidental expenses will put a cost of 5 cents on every shot fired. Add to that the cost of good weapons and good ammunition—the kind which brings added confidence in his skill to every rifleman who shoots it, and the price goes up—but it does not go beyond the price of golf, or, to make the comparison more nearly equal, the cost of trapshooting. In addition to good guns and good gun-fodder, the rifleman should place himself beyond the embarrassment of having to borrow telescopes, micrometers, lubricant, sight black, and the many other accessories which are needed in playing the game. And all of these things cost money. Yet every cent spent in the shooting game brings a four-fold return in clean enjoyment.

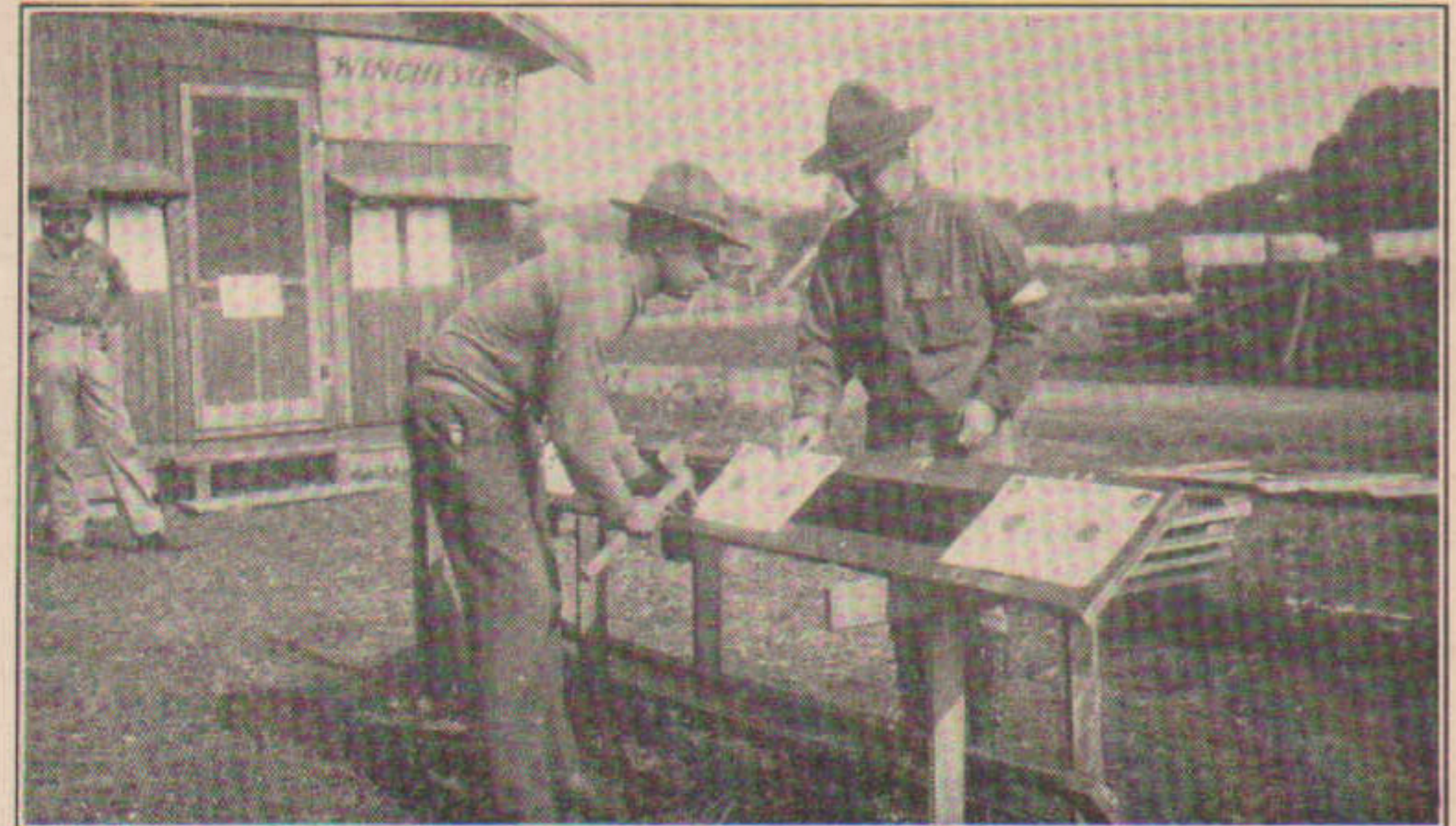
It is a bit difficult for the veterans of the game and those who are in it through a sincere love of the sport to make allowances for the civilian newcomer who occasionally shows up at a National Match Range and is quite evidently imbued with the idea that everything should be furnished him free of charge and that the only obligation which should rest upon him is to shoot when he feels like it and have a good time. For instance, the spectacle of civilian team members objecting to a 25-cent entrance fee in a re-entry practice match where all money is returned in prizes, is not pleasing to men who have made every sacrifice both personal and financial for the good and the upbuilding of the game.

Fortunately not very many such citizens get to the National Matches. But they do occasionally, and of such the veterans of the game and their more sincere team fellows may ask "*What are you giving the government in return?*"





View of Small Bore Range, showing 50-yard targets.



Tacking Small Bore targets on frames, showing kind of frame used.

### SMALL BORE GAME POPULAR

(Continued from page 427)

has won the unstinted praise of the .22 calibre marksmen.

In order to gain a comprehensive idea of the small-bore outdoor game as it is being played at Caldwell it is necessary to bear in mind that many practices not possible from the standpoint of practicability on the regulation range are not only possible but highly practicable when shooting the .22 calibre rifle at 50 and 100 yards. At these two distances, the target is not marked until the string is completed, the shooter "spotting his shots" with a telescope. At 200 yards, spotting with a 'scope is not satisfactory, and at that range, the targets are operated in the same manner as regulation targets on regulation ranges.

When a contestant goes to the small-bore range he lines up at the window of the statistical office in the range house, pays his entrance fee and obtains his target. The target bears a paster on which appears the name of the match, an alphabetical identification of the match and a serial number used in keeping the accounts. To further aid in identifying targets rapidly, 1 thick black line appears on the 50-yard pasters, 2 thick lines on the 100-yard and 3 thick black lines on the 200-yard pasters.

Upon the target the competitor writes his name and that of his organization, turning in the target to the range officer. The range officer then assigns the competitor to a target and places the number of the target on the paster, also entering the contestant on the squadding list. As soon as a squad of 5 men is completed the range officer fixes the targets on slight rectangular wooden frame with thumb tacks, and sends it to the butts by an attendant. There the frame is hung so that the targets correspond with the proper target numbers, and the shooter goes to the line and fires, spotting his own shots for his own information through the telescope, and plotting them, if he desires, in his score book. Each shooter is allowed 5 minutes for 10 shots.

This time allowance is often exceeded at Caldwell, due undoubtedly to the fact that most of the shooters are trying the outdoor game for the first time. This tendency to exceed the time limit, however, must be corrected before the range will work at its full efficiency.

While one squad is shooting, the range officer is squadding the next.

When the first squad finishes, all firing is stopped and the attendant goes to the butts and brings back the frame on which the scores have been registered. Back at the firing line, the frame is exhibited to the shooters, who may examine the targets provided they do not touch them. After the shooters have completed their examination, the range officer removes the targets and sends them into the statistical office.

In the statistical office, there is a long bench-table. On this table is fixed a card for each competition. These cards are headed with the names of the Matches, their alphabetical designation, and are ruled so that the scores of 200 or 300 competitors may be entered thereon. The statistical officer scores the targets and enters the scores on the score-sheets. A duplicate of the score sheet is posted outside on the bulletin board within 5 minutes after the actual shooting has been completed.

At the end of a shooting day, the serial number on the targets of each competition show how many targets have been issued. This number is used to check the accounts.

In the re-entry events, the statistical force has perfected what amounts to an "automatic prize list" which at any time shows the contestants who are potential prize winners. The first day, assume that in a re-entry match, 20 contestants are entitled either to medals, prizes or special recognition. At the close of shooting the first day, the targets of the twenty contestants "in the money" are arranged in the proper standing. At the close of shooting the next day, the targets of all contestants whose scores entitle them to be included in the prize list are added in their proper order and those in

excess of 20 are dropped, and so on throughout the shoot, until on the last day there remains but little to do in order to compile the list of winners.

THOSE who still are prone to sneer at the little "Twenty-two" might find food for thought as to the future of the small-bore by visiting the layout at Caldwell. The tyro is in the minority on the miniature firing line. Shots of established reputation such as Lt. Col. Townsend Whelan, author of "The American Rifle," Captain Richard, who won the Leech Cup with a perfect score and has one or two more matches to his credit, George Chesley, Richard's shooting partner, John Schneering one of the finest small-bore shots in the country, John Hession, "Dad" Raymond of Connecticut, and Wade, of Wyoming, are to be found on the small-bore range whenever they can absent themselves from the big competitions, and Lt. Col. Julian Hatcher of the Ordnance Department, one of the small arms experts of the Army, is often an interested onlooker. Maj. R. D. La Garde, Director of Civilian marksmanship, is also taking an interest in the game.

Sponsored by the National Rifle Association, approved by many prominent riflemen, and presented to the shooters of the country in as attractive a form as it appears at Caldwell, the outdoor small-bore game is starting off well.

THE small-bore program which had been set for August 4, but which was delayed by the same adverse conditions which attended the opening of the National Match Season on the open range, began August 11, with a creditable entry list for the re-entry events.

This put preliminary practice almost out of the question, but many enthusiasts entered the re-entry events with the idea of getting their shooting up to par, and then shooting other scores for record.

All types of rifles have been in evi-



dence on the small-bore range. Most of the shooters desire to try out the new Winchester or the Savage bolt-action small bores, or the B. S. A. rifles which have been loaned for the use of those who did not come equipped with rifles of their own. In addition to these, old Ballard actions fitted with barrels which are the product of the finest gunsmiths of the country, Stevens rifles, Winchester muskets, and even the heavy Scheutzen type arms were in evidence.

**T**HE team which will represent the United States in the contest with England for the Dewar Trophy, will be selected following a try-out on the small-bore range August 19. Many of the finest shots in the United States are expected to enter the tryout in addition to the score or more excellent shots who have been shooting on the small-bore range during the past week.

The date for the International Match has not been set, but it is likely that it will be shot August 21 or 22.

**B**ECAUSE the 200-yard butts of the small-bore range are out of commission, Major LaGarde, Director of Civilian Marksmanship and "Cap" Richard took one of the new .22 calibre bolt-actions to the main 200-yard range and there, while the rapid-fire match was in progress, fired the little gun. "Cap" Richard recorded a possible score on the B target.

**A**N idea of the scores which are being made by the small-bores may be gained from the few preliminary bulletins which have been published in some of the re-entry matches. They are:

THE 50-YARD SWEEPSTAKES (95 SCORES)

1. J. E. Miller.....	100
2. W. H. Richard.....	99
3. W. R. Stokes.....	97
4. F. B. Glassford.....	97
5. J. Turner.....	96
6. G. Schnerring.....	96
7. J. W. Hession.....	96
8. J. J. Higginbotham.....	95
9. K. H. Fichtner.....	95
10. L. N. Moss.....	95

THE JUNIOR RE-ENTRY, 50 YARDS

1. Marjorie F. Kinder.....	97
2. F. Chesnut.....	96
3. R. M. Morris.....	94
4. V. O. Whele.....	82
5. G. Delzel.....	49

THE 100-YARD SWEEPSTAKES RE-ENTRY (43 SCORES)

1. J. E. Miller.....	99
2. W. H. Richard.....	98
3. J. L. Renew.....	96
4. W. G. Hansen.....	94
5. J. Hession.....	94
6. W. B. Crain.....	94
7. P. Raymond.....	94
8. T. Whelan.....	93
9. K. H. Fichtner.....	92
10. J. McLaughlin.....	91

THE 50 AND THE 100 YARDS SWEEPSTAKES 50-Yard Sweepstakes

1. F. W. Cronies.....	99
2. W. H. Richards.....	99
3. Col. T. Whelen.....	99

4. J. Turner.....	98
5. A. Shivell.....	98
6. J. A. Wade.....	97
7. W. R. Stokes.....	97
8. E. Schnerring.....	97
9. F. L. Bucher.....	96
10. E. L. Crabb.....	96

100-Yard Sweepstakes

1. J. L. Renew.....	98
2. W. H. Richards.....	97
3. W. B. Crain.....	95
4. Col. T. Whelen.....	94
5. H. Parkhurst.....	94
6. B. Hallen.....	94
7. S. L. Beecher.....	91
8. A. Shivell.....	90
9. J. G. Schnerring.....	88
10. C. S. Hogue.....	87

Fourteen-year-old Marjorie F. Kinder, a sophomore in the Bridgeport, Conn., High School, National Indoor Junior Champion, and holder of innumerable small-bore titles, made her initial appearance on the Small-Bore Range on the opening day, and turned in cards of 93 and 97 at the 50-yard range. Her father, "Bob" Kinder, coached her, and is responsible for the statement that Marjorie can, and will turn in perfect cards before the Small-Bore Matches are over.

A glance over her records conveys some idea of what this girl marvel can do with a .22 calibre rifle. Her chief claim to National fame rests on her performances with a twelve-pound Schutzen rifle at fifty yards. With this weapon she scored a possible 100 in the Ladies Match

held by the Quinnipiac Club, and turned in 15 perfect targets to the National headquarters of the Winchester Junior Championship Committee. She holds many interscholastic records. Her record for consecutive bull's-eyes at 50 yards is 85.

**F**OR the benefit of those rifle clubs who may wish to include outdoor small-bore shooting in their activities, Captain E. Newitt, the English small-bore shot, who is taking care of the statistical office at the small-bore range, gives these hints in addition to the general scheme of range operation as followed here:

A full yard should be allowed both between targets and firing points; less distance than this hampers the shooting.

If steel plates are used in the absence of natural backstops, it is best that they be placed vertically instead of set in at a pitch. In England the placing of target plates has been made the subject of considerable test. As a result we learned that the splash is less troublesome from vertical plates than from those set at a pitch because the splash seems to be up and down and does not damage the target. The lead is easier to recover from vertical plates. It can readily be collected in troughs under the targets and the lead and copper shells from an indoor range when sold will reduce the club's ammunition bill at least 10 per cent.

## Further Tests of Pistol Ammunition

**T**HE Board of Officers to test and select ammunition for the National Matches, found as a result of the test of .45 calibre pistol ammunition presented by Frankford Arsenal, that this ammunition as tested at Sea Girt showed accuracy as follows:

At 25 yards—

Mean radius.....	.88 inch
Mean vertical deviation....	.56 inch
Extreme vertical deviation..	2.20 inches
Vertical error.....	1.38 "
Group measure.....	2.77 "

At 50 yards—

Mean radius.....	1.81 inches
Mean vertical deviation....	1.21 "
Extreme vertical deviation..	4.64 "
Vertical error.....	2.92 "
Group measure.....	5.59 "

The Commanding Officer at Frankford Arsenal stated at the time of the test that he was not at all satisfied with the showing of this ammunition. That it had been showing very much better grouping in all the tests at the arsenal. It appeared that for the test at Sea Girt there were used four .45 calibre machine rest pistols which had never been fired before, and the large groups were laid to these untested pistols. However, no other

pistols were available and the test had to be conducted with these.

After the completion of the official tests Frankford Arsenal conducted a further test with this ammunition. This test was conducted at the Arsenal, and consisted of firing fifty groups of ten shots each at 50 yards. A machine rest pistol that had previously been used to test the regular daily manufacture of pistol ammunition at the Arsenal was used in place of the new pistols which had been used in the official tests. The following results were obtained:

At 50 yards—

Mean radius.....	.91 inch
Mean vertical deviation....	.61 inch
Group measure.....	2.94 inches

Thus it will be seen that in this second test the ammunition gave groups of just about half the size obtained in the official test. In other words the groups obtained at 50 yards in the Frankford test were just about the same size as the groups obtained at 25 yards in the official test. In the Frankford test the ammunition gave groups which should fully satisfy the most exacting pistol experts and it is believed that this ammunition will give excellent results in the match.



N. R. A. MATCHES

(Continued from page 426)

85	Cline, L. L., Civ.,	Liberty P. & R. Club	89	88	177
86	Baker, S., Civ.,	Norwalk R. C.	90	87	177
87	VanBuren, F. C., Sgt.,	Utah N. G.	91	86	177
88	Fehlis, R., Jr., Civ.,	Texas Civ. Team	92	85	177
89	Preusseur, D. A. Civ.,	Iowa Civ. Team	92	85	177
90	Ramsey, R. W., Gy. Sgt.,	U. S. M. C.	94	83	177
91	Hurt, J. W., Major,	U. S. Infantry	94	83	177
92	MacCollen, D. B., Civ.,	Boston Fusilier	94	83	177
93	Hogan, F., Civ.,	Salt Lake R. C.	90	86	176
94	Isaac, L., 1st Sgt.,	Phil. Scouts	90	86	176
95	Williams, G., Sgt.,	A. E. F. Rifle Team	93	83	176
96	Beil, B. B., Civ.,	Fla. Civ. Team	94	82	176
97	Douthitt, M. F., Cpl.,	U. S. M. C.	94	82	176
98	Jackson, W. R., Civ.,	Calif. Civ. Team	96	81	177
99	Reynolds, H., Civ.,	Douglas R. C.	95	81	176
100	Lawless, J. T., 1st Lt.,	D. C. Civ. Team	95	81	176

42	Remy, A., Cpl.,	U. S. M. C.	95
43	Ramee, P., Capt.,	Phil. Scouts	95
44	Farragher, J. T., 2nd Lt.,	U. S. M. C.	95
45	Turner, J. Civ.,	Illinois Civ. Team	94
46	Erdmansdorff, E., Sgt.,	U. S. M. C.	94
47	Hoy, W. W., Cpl.,	U. S. M. C.	94
48	Norton, A. H., 1st Lt.,	U. S. Cavalry	94
49	Driver, S. R., Sgt.,	U. S. M. C.	94
50	Parsons, G. A., 1st Lt.,	U. S. Cavalry	94
51	Disbrow, H. W., Capt.,	A. E. F. Rifle Team	94
52	Radbrush, W. A., Pvt.,	U. S. M. C.	94
53	Hensen, L. V.,	A. E. F. Rifle Team	94
54	Sworatt, O. C. G. M., 3rd cl.,	U. S. N.	94
55	Zimmerman, J. A., 1st Lt.,	U. S. M. C.	94
56	Nettleton, H. S., 2nd Lt.,	U. S. Cavalry	94
57	Grant, R. A., 2nd Lt.,	U. S. M. C.	94
58	Rathburn, V. F., Ensign,	U. S. N.	94
59	Cotton, R. E., Capt.,	A. E. F. Rifle Team	94
60	Coulter, R. C., Cpl.,	U. S. M. C.	94
61	Jones, T. T., Sgt.,	U. S. M. C.	94
62	Smith, R. W., 1st Lt.,	A. E. F. Rifle Team	93
63	Hurt, J. W. Major,	U. S. Infantry	93
64	Brown, L. W., Civ.,	Madison R. C.	93
65	Bishop, C., Civ.,	Wyoming Civ. Team	93
66	Chenowith, L., Sgt.,	A. E. F. Rifle Team	93
67	Hamilton, A., Civ.,	Hopkins R. C.	93
68	Humphrey, M. B., Capt.,	U. S. M. C.	93
69	Morgan, A. M., Civ.,	Central High School R. C.	93
70	Crawley, T. B., Sgt.,	A. E. F. Rifle Team	93
71	Dele Cruz, T. Pvt., 1st cl.	Phil. Scouts	93
72	Welch, S. D., Civ.,	Calif. Civ. Team	93
73	Woodall, G. H. Civ.,	Phoenix R. C.	93
74	Galutera, D., 1st Sgt.,	Phil. Scouts	93
75	Walker, S. P., Jr., 2nd Lt.,	U. S. Cavalry	93
76	Belannine, V., Sgt.,	Phil. Scouts	93
77	Peyton, L. K., Cpl.,	A. E. F. Rifle Team	93
78	Smith, H. L., Capt.,	U. S. M. C.	93
79	Clark, A. E., Capt.,	U. S. Infantry	93
80	Collister, F. C., 1st Lt.,	U. S. Cavalry	93
81	Luce, L. C., Civ.,	Wyoming Civ. Team	93
82	McKenney, J. E., 1st Lt.,	U. S. Infantry	93
83	Vanwie, J. A., Civ.,	Rensselaerwick R. C.	93
84	Thompson, G. F., Sgt.,	U. S. M. C.	93
85	Kennedy, C. P., Cpl.,	U. S. M. C.	92
86	Lacey, J., 1st Lt.,	U. S. M. C.	92
87	Gustapen, K. E., Civ.,	Minneapolis Marine R. C.	92
88	Shriver, O. M., Gunner,	U. S. M. C.	92
89	Jacobi, R. W., 1st Lt.,	U. S. Infantry	92
90	Short, M. C., Sgt.,	Wash. Nat. Guard	92
91	Morrison, C., Lt. J. G.,	U. S. N.	92
92	Miller, C. F., Civ.,	Reading Rifle Assn.	92
93	Simms, B. G., Civ.,	Iowa Civ. Team	92
94	Howard, F., Pvt.,	U. S. M. C.	92
95	Whittaker, H., Capt.,	U. S. Infantry	92
96	Simmons, F. L., Major,	U. S. Infantry	92
97	Lecuyer, R., Sgt.,	U. S. M. C.	92
98	Gajvl, Felipe, Sgt.,	Phil. Scouts	92
99	Spooner, L. S., 1st Lt.,	A. E. F. Rifle Team	92
100	Lawless, J. T., 1st Lt.,	A. E. F. Rifle Team	92

Spurred on by the performance of Corporal Kennedy, Cavalry Sergeant C. McNutt accepted the opportunity offered when he made a possible score in the Mid-Range Match, to put to his credit a string of 34 consecutive bull's-eyes at 500 yards, although McNutt's nearest competitor had at the finish 1 point short of a possible.

The Mid-Range Match was shot August 13, and called for the second stage of the National Match—Slow Fire, 500 yards, Target B, 20 shots, 10 shots prone, 5 shots kneeling and 5 shots sitting or squatting. The first stage of the Match in which 523 contestants entered, was run off under fair conditions, but the latter half of the contest was accompanied by a cold rain, and the firing points were soon churned to a soft, sticky mud. There was practically no wind, but the conditions under foot and the rain made up for this advantage.

McNutt went to the firing point in the rain, and put over a perfect score. Then he kept on shooting, beginning again in the prone position. Ten additional shots he put in the black while he lay in the mud and then rising to the kneel he ran 4 more bull's-eyes before he went out of the 5-ring.

The high 100 scores in this match were:

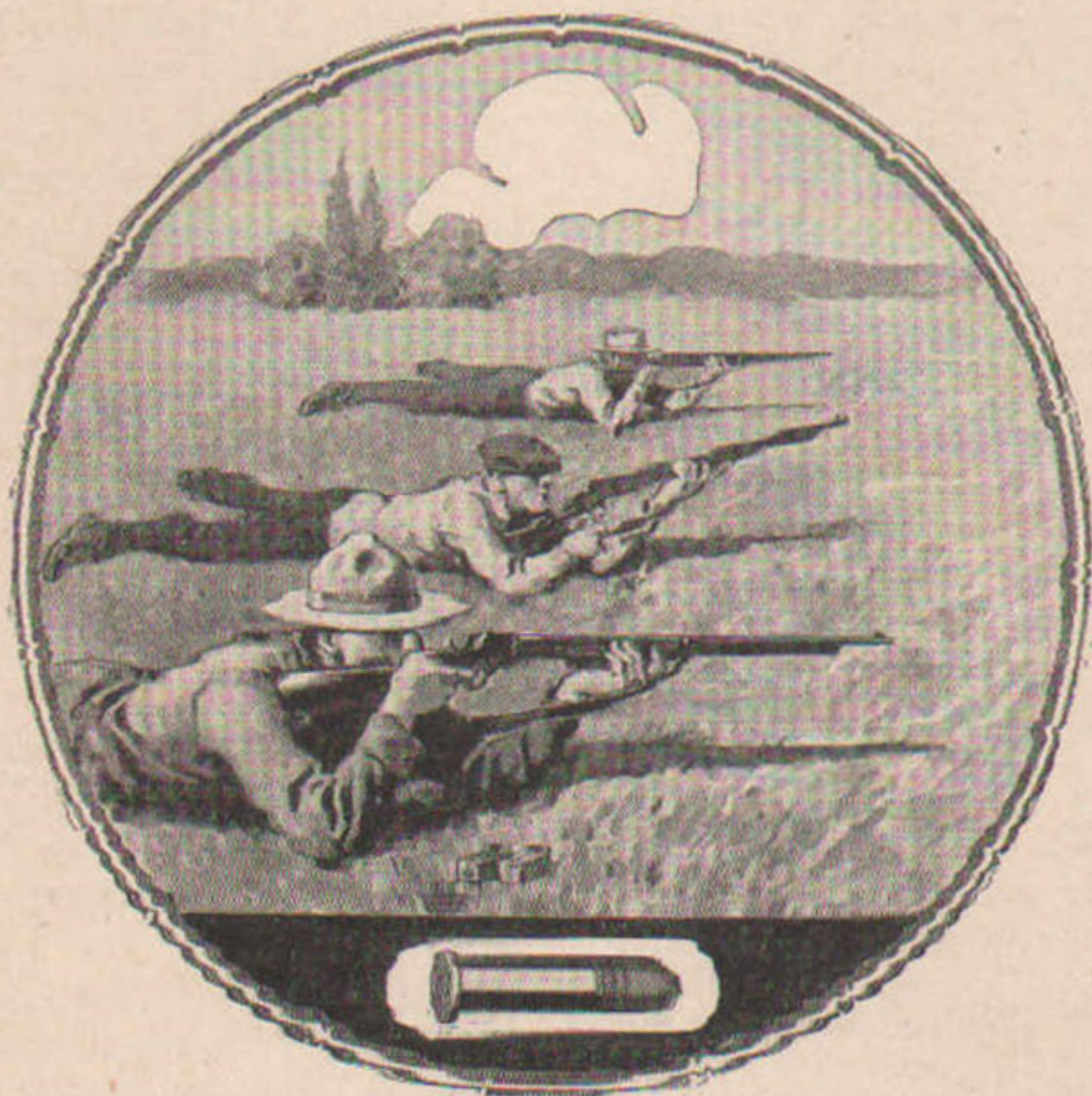
Order	Name	Organization	Score
1	McNutt, C. Sgt.,	U. S. Cavalry	100 pl. 14 B.
2	Carson, J. A. B. M., 1st cl.	U. S. N.	99
3	Thompson, C. 2nd Lt.,	U. S. M. C.	98
4	Hendrick, J. B. Civ.,	Pentwater, Michigan, R. C.	98
5	Adams, H. L. Major,	U. S. Cavalry	98
6	Andrews, J. J. Mar. Gun.,	U. S. M. C.	98
7	Fisher, M. Sgt.,	U. S. M. C.	98
8	Blade, E. J. Sgt.,	U. S. M. C.	97
9	Smith, S. 1st Sgt.,	A. E. F. Team	97
10	Ramsey, R. W., Gy. Sgt.,	U. S. M. C.	97
11	Hillman, E. H. Sgt.,	U. S. M. C.	97
12	Wilson, L. E., Civ.,	Idaho Civ. Team	97
13	Davidson, W., 1st Lt.,	U. S. Infantry	97
14	Stewart, R. R., Comdr.,	U. S. N.	96
15	Burson, I. D., Cpl.,	U. S. M. C.	96
16	Hitch, O. F., Civ.,	Hoosier R. C.	96
17	Schroder, C., Civ.,	Calif. Civ. Team	96
18	Burdy, B. W., Pvt., 1st cl.	U. S. M. C.	96
19	Mullaly, E. L., Capt.,	U. S. M. C.	96
20	McClincy, M. L., Sea.,	U. S. N.	96
21	Agcauli, P., Sgt.,	Phil. Scouts	96
22	Price, J. R., Cpl.,	U. S. M. C.	96
23	Gettys, C. M.,	Wyoming Civ. Team	96
24	Lee, W. A., Lt. Comdr.,	U. S. N.	96
25	Fody, M., 2nd Lt.,	U. S. Cavalry	95
26	Anderson, H. H., Major,	U. S. Cavalry	95
27	Savage, C. W. Major,	U. S. Infantry	95
28	Palmer, S. C., Cpl.,	U. S. Infantry	95
29	Osburn, C. T., Comdr.,	U. S. N.	95
30	Hamilton, R. F., Sgt.,	U. S. M. C.	95
31	Everett, G. D., Pvt.,	U. S. M. C.	95
32	Petmecky, H. J.,	Texas Civ. Team	95
33	Waters, J. F., Sgt.,	U. S. M. C.	95
34	Brown, C. M., Capt.,	U. S. Infantry	95
35	Rhine, J. B., Sgt.,	U. S. M. C.	95
36	Belvy, C., Sgt.,	Phil. Scouts	95
37	Blade, W. H., Sgt.,	U. S. M. C.	95
38	Wade, J. A. Civ.,	Wyoming Civ. Team	95
39	Jackson, J., Capt.,	U. S. M. C.	95
40	Weigle, C. L., Gy. Sgt.,	U. S. M. C.	95
41	Wiggs, O., Mar. Gun.,	U. S. M. C.	95

The long run of bulls appeared again in the Rapid Fire Match based on the first stage of the National Match, and calling for Rapid Fire, 200 yards, Target B, 20 shots, 1 string of 10 shots kneeling from standing and one string of 10 shots, kneeling, sitting or squatting from standing, time limit 1 minute for each string of 10 shots.

The shoot-off which followed this match was one of the most interesting ever seen at a National Match, 16 men out of the big field registering possibles on the first round, and continuing shooting until they went out of the black, two dropping on the 21st shot, and 8 remaining in for short additional strings. Lieutenant Spooner of the Infantry, Gettys of Wyoming, Moore of the Marine Corps and Coulter of the Marine Corps, however, staged an interesting finish, the A. E. F. officer hanging up 19 additional bulls, the civilian 39 additional bulls, leaving Moore and Coulter to fight for first place. Moore had 39 bulls to his credit when he shot a target which when examined in the pit showed 11 bullet holes in the black—someone had put an extra shot on his target, which resulted in that string being disregarded. He was compelled to shoot this string over and made another possible, going out on his fifty-ninth additional bull's-eye, but getting credit for only forty-nine bulls. Coulter had fifty additional bulls at the time



## BEFORE GOING TO CALDWELL



The small-bore events at the National Matches will be one of the unique and important features.

The contestants in these matches will experience better scores than they would have two years ago—because of the development within that time of the U. S. .22 N. R. A. Cartridge.

This cartridge loaded with Lesmok powder is accurate up to 250 yards. This is fifty yards more accuracy than it has ever been possible to obtain with a .22 rim-fire cartridge. The power and uniformity back of this 250 yard accuracy are bound to make better scores at 200, 100 and 50 yards.

The difference between winning and losing a match is often caused by the accuracy of the cartridge. It would pay you to investigate the U. S. N. R. A. before going to Caldwell.

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111 Broadway New York

Moore dropped out and was not permitted to fire further. The high hundred in the Rapid Fire Match included:

Order	Name	Organization	Score	Bulls
1	Coulter, R. O., Cpl., U. S. M. C.	U. S. M. C.	100	plus 50
2	Moore, R., Pvt., U. S. M. C.	U. S. M. C.	100	plus 49
3	Gettys, C. M., Civ., Wyoming Civilian Team	Wyoming Civilian Team	100	plus 39
4	Spooncr, L. S., 1st Lt., A. E. F. Infantry	A. E. F. Infantry	100	plus 19
5	Parsons, G. A., 1st Lt., U. S. Cavalry	U. S. Cavalry	100	plus 9
6	Tupper, J. L., 1st Lt., U. S. Infantry	U. S. Infantry	100	plus 9
7	Walker, S. P., 2nd Lt., U. S. Cavalry	U. S. Cavalry	100	plus 8
8	Ryan, R. R., GM, 2cl., U. S. N.	U. S. N.	100	plus 8
9	Gibney, J. J., 1st Lt., Engineers, Camp Dodge	Engineers, Camp Dodge	100	plus 8
10	Humphrey, M. B., Capt., U. S. M. C.	U. S. M. C.	100	plus 7
11	Gray, L., Sgt., A. E. F., Infantry	A. E. F., Infantry	100	plus 7
12	Castle, G. R., Civ., California Civ. Team	California Civ. Team	100	plus 6
13	Martin, I. S., Lt. Col., U. S. Cavalry	U. S. Cavalry	100	plus 6
14	Crawley, T. B., Sgt., A. E. F., U. S. M. C.	A. E. F., U. S. M. C.	100	plus 5
15	Tupper, J. L., 1st Lt., U. S. Infantry	U. S. Infantry	100	
16	Funkhouser, S. C., GM, 3cl., Great Lakes R. T.	Great Lakes R. T.	100	
17	Stewart, R. R., Comdr. U. S. N.	U. S. N.	99	
18	Bradley, E. L. S., 2cl. U. S. N.	U. S. N.	99	
19	Bailey, L. L., Civ., Wisc. Civ. Team	Wisc. Civ. Team	99	
20	Hall, G. S., Civ., Calif. Civ. Team	Calif. Civ. Team	99	
21	Fisher, M., Sgt., U. S. M. C.	U. S. M. C.	99	
22	Zimmerman, J. A., 1st Lt. U. S. M. C.	U. S. M. C.	99	
23	Rothbun, V. F., Ensign, U. S. N.	U. S. N.	99	
24	Hamilton, R. F., Sgt., U. S. M. C.	U. S. M. C.	99	
25	James, V. L., 1st Lt., U. S. Infantry	U. S. Infantry	99	
26	Brown, T. G., 1st Lt., U. S. Infantry	U. S. Infantry	99	
27	Osburn, C. T., Comdr., U. S. N.	U. S. N.	99	
28	Morrison, C., Lt. jg., U. S. N.	U. S. N.	99	
29	Downey, A. L. S., 2nd cl., Great Lakes R. T.	Great Lakes R. T.	99	
30	Adams, H. L., Maj., U. S. Cavalry	U. S. Cavalry	99	
31	Luce, L. C., Civ., Wyoming Civ. Team	Wyoming Civ. Team	99	
32	Corwin, F., Lt., U. S. N.	U. S. N.	99	
33	Laughlin, J. F.		99	
34	Hainworth, J., Great Lakes Rifle Team	Great Lakes Rifle Team	98	
35	Jacobi, R. W., 1st Lt., U. S. Infantry	U. S. Infantry	98	
36	Klinge, J. F., Civ., Wisconsin Civ. Team	Wisconsin Civ. Team	98	
37	Howe, G. V., Jr., Pvt., U. S. Cavalry	U. S. Cavalry	98	
38	Blount, R. E., Maj., U. S. Cavalry	U. S. Cavalry	98	
39	Morris, R. N., Civ., D. C. Civ. Team	D. C. Civ. Team	98	
40	Fawcett, M., Civ., Iowa Civ. Team	Iowa Civ. Team	98	
41	Wollam, H., 1st Lt., U. S. Infantry	U. S. Infantry	98	
42	Smith, S., 1st Sgt., A. E. F. Rifle Team	A. E. F. Rifle Team	98	
43	Fody, M., 2nd Lt., U. S. Cavalry	U. S. Cavalry	98	
44	Best, R. L., Civ., Idaho Civ. Team	Idaho Civ. Team	98	
45	Clark, A. A., Sgt., U. S. M. C.	U. S. M. C.	98	
46	Brown, C. M., Capt., U. S. Inf.	U. S. Inf.	98	
47	Rhine, J. B., Sgt., U. S. M. C.	U. S. M. C.	98	
48	Holter, B., Civ., Whitefish Rifle Club	Whitefish Rifle Club	98	
49	Barton, J. T., Civ., Palm Beach Team	Palm Beach Team	98	
50	Critten, T. G., Sea. 2cl., U. S. N.	U. S. N.	98	
51	Waters, F. H., Cpl., U. S. M. C.	U. S. M. C.	98	
52	Roberts, J. P., Pvt., D. C. N. G.	D. C. N. G.	98	
53	Thompson, O., 2nd Lt., U. S. M. C.	U. S. M. C.	98	
54	Wiggs, O., Mar. Gun., U. S. M. C.	U. S. M. C.	98	
55	Snyder, M. D., Capt. Ind. Rifle Team	Ind. Rifle Team	98	
56	Williams, G. Sgt., A. E. F. Rifle Team	A. E. F. Rifle Team	98	
57	Beloy, C., Sgt., Phil. Scouts	Phil. Scouts	98	
58	McNutt, C., Sgt., U. S. Cavalry	U. S. Cavalry	98	
59	Peyton, L. M., Cpl., A. E. F. Rifle Team	A. E. F. Rifle Team	98	
60	Schory, A. O., Lt., Great Lakes Rifle Team	Great Lakes Rifle Team	98	
61	Asbill, D. S., Student, Citadel Rifle Team	Citadel Rifle Team	97	
62	Hogue, C. S., Frankford Arsenal	Frankford Arsenal	97	
63	Suratt, O. C., GM, 3cl., U. S. N.	U. S. N.	97	
64	Isgrig, C. S., Ens., U. S. N.	U. S. N.	97	
65	Ramee, P., Capt., Philippine Scouts	Philippine Scouts	97	
66	Nettleton, H. S., 2nd Lt., U. S. Cavalry	U. S. Cavalry	97	
67	Hurt, J. W., Maj., U. S. Infantry	U. S. Infantry	97	
68	Jackson, J., Capt., U. S. M. C.	U. S. M. C.	97	
69	Mullaly, E. L., Capt., U. S. M. C.	U. S. M. C.	97	
70	Smith, R. W., 1st Lt., A. E. F. Rifle Team	A. E. F. Rifle Team	97	
71	Chenowith, L., Sgt., U. S. M. C.	U. S. M. C.	97	
72	Nelson, N., Civ., Anaconda Rifle Team	Anaconda Rifle Team	97	
73	Durham, M. W., Sgt., U. S. M. C.	U. S. M. C.	97	
74	Lacey, J., 1st Lt., U. S. M. C.	U. S. M. C.	97	
75	Fuentes, R., Sgt., Philippine Scouts	Philippine Scouts	97	
76	Grant, R. A., 2nd Lt., U. S. M. C.	U. S. M. C.	97	



77	Lane, D. E., Capt., U. S. Infantry.....	97
78	Fenton, D., Sgt., U. S. Infantry.....	97
79	Borrego, L., 1st Sgt., Philippine Scouts.....	97
80	Agcacid, P., Philippine Scouts.....	97
81	Wierbowski, J. S., Great Lakes Rifle Team.....	97
82	Nordstrom, C., Sgt., Gun., U. S. M. C.....	97
83	Palmer, C., U. S. Infantry.....	97
84	Andrews, J. J., U. S. M. C.....	97
85	Von Erdmannsdorf, E., Sgt., U. S. M. C.....	97
86	Kennedy, C. R., Cpl., U. S. M. C.....	97
87	Swartz, A. R., Civ., Iowa Civ. Team.....	97
88	Cahill, J. E., 1st Sgt., U. S. Infantry.....	97
89	Grimball, D. A., Lt., Great Lakes Rifle Team.....	97
90	Owens, E. N., GM., U. S. N.....	97
91	Lee, W. A., Lt. Comdr., U. S. N.....	97
92	Dougal, D. D., Great Lakes Rifle Team.....	97
93	Hession, J. W., Civ., N. Y. A. C.....	97
94	Cunningham, F. G., Rhode Island Civ Team.....	97
95	Wheeler, Rifle Club.....	96
96	Blasc, W. H., Sgt., U. S. M. C.....	96
97	Ioergen, F., Sgt., U. S. Infantry.....	96
98	Smith, H. L., Capt., U. S. M. C.....	96
99	Danzalcn, S., Sgt., Philippine Scouts.....	96
100	Morgan, A. M., Civ., D. C. Civ. Team.....	96

Eighty-five organizations entered for the Regimental, Veteran and State Team Matches which were shot over the National Match course on the morning of August 16, under quite favorable conditions for good scores. The totals of the high teams in these matches were:

STATE TEAM MATCH

Order	Organization	200 R. F.	500 S. F.	1000 S. F.	Total
1	Conn. State Team No. 1:				
	Richard, W. H.....	98	95	82	275
	Lane, A. P.....	95	92	84	271
	Hession, J. W.....	96	91	87	274
	Baylis, H. A.....	99	94	88	281
	Raymond, P. A.....	99	85	83	267
	Harrison, C. W.....	94	89	89	272
		581	546	513	1,640
2	D. C. Team No. 1.....	566	543	495	1,604
3	Texas Team No. 1.....	565	548	486	1,599
4	Wyoming Civilian Team No. 1.....	569	545	452	1,566
5	D. C. Team No. 2.....	567	531	466	1,564
6	Montana Team No. 1.....	579	521	459	1,559
7	Utah Team No. 1.....	556	518	479	1,533
8	Wisc. Team No. 1.....	563	526	459	1,548
9	Iowa Team No. 1.....	550	529	468	1,547
10	Ohio Team No. 1.....	548	546	452	1,546
11	N. Y. Civ. Team.....	521	528	483	1,532
12	Ill. Team No. 1.....	538	528	459	1,525
13	Minn. Team No. 1.....	517	480	518	1,515
14	Calif. Team No. 1.....	570	536	408	1,514
15	New Mexico Team.....	529	499	478	1,506
16	Kansas Team No. 1.....	546	517	443	1,506
17	Ind. Team No. 2.....	548	512	437	1,497
18	Iowa Team No. 2.....	542	513	435	1,490
19	N. J. Team No. 1.....	542	508	439	1,489
20	Conn. Team No. 2.....	521	454	511	1,486
21	Idaho Team.....	512	531	443	1,486
22	Mich. Team No. 1.....	517	523	444	1,484
23	Ariz. State Team No. 1.....	558	531	395	1,484
24	Ariz. Team No. 2.....	539	504	437	1,480
25	Fla. Team No. 2.....	527	501	451	1,479
26	Calif. Team No. 2.....	551	389	534	1,474
27	Mont. Team No. 2.....	536	496	440	1,472
28	Wisc. Team No. 2.....	526	504	417	1,447
29	Mich. Team No. 2.....	534	503	410	1,447
30	Wash. Team.....	508	510	430	1,448

THE REGIMENTAL TEAM MATCH

		Final Stage			
Order	Team	200 Yd.	500 Yd.	1,000 Yd.	Total
1	6th Regiment, U. S. M. C.:				
	Lacey, Joseph.....	97	94	82	273
	Gist, W. C.....	89	87	77	253
	Lyons, M. J.....	98	88	90	276
	Nordstrom, C. R.....	100	91	88	279
	Melink, Stanley.....	95	94	80	269
	Conroy, Scott.....	91	90	83	264
	Totals.....	570	544	500	1,614

2	8th U. S. Cavalry.....	572	556	481	1,610
3	13th Reg't, U. S. M. C.....	549	498	537	1,584
4	7th Reg't, U. S. M. C.....	540	468	569	1,577
5	D. C. National Guard.....	517	463	547	1,527
6	11th Reg't, U. S. M. C.....	537	512	472	1,521
7	2d Maryland Inf.....	502	509	476	1,487
8	2d Maryland Inf. Team 2.....	521	485	450	1,456
9	6th Reg. Minn. N. G.....	517	481	439	1,437
10	Camp Taylor R. O. T. C.....	523	497	415	1,435
11	3d Inf. Wn. N. G.....	465	489	423	1,377
12	74th Infantry, N. Y. N. G.....	458	483	418	1,359
13	9th Coast Artillery Corps.....	509	473	374	1,356
14	Citadel Cadet Battalion.....	506	472	303	1,281
15	4th Infantry Minn. N. G.....	475	441	315	1,231
16	4th Infantry Kansas N. G.....	375	447	243	1,065

THE VETERAN TEAM MATCH

Order	Team	200 R. F.	500 S. F.	1,000 S. F.	Total
1	U. S. M. C. Team No. 1:				
	Blade, E. J.....	100	94	88	282
	Moore, R.....	100	96	85	281
	Wiggs, O.....	98	91	86	275
	Blase, W. H.....	100	91	92	285
	Andrews, J. J.....	96	93	92	277
	Thompson, O.....	100	95	93	288
	Totals.....	594	560	532	1,686
2	U. S. M. C. Team No. 2.....	588	553	515	1,656
3	U. S. M. C. Team No. 3.....	585	556	487	1,628
4	3d Wyoming Infantry.....	552	512	455	1,519

A team of experienced hand-gun shots, representing the Greenwich, Connecticut, Rifle Club, experienced no difficulty in distancing the field in the N. R. A. Pistol Team Match, shot during the afternoon of August 16. The 13 high scores in this match were:

THE PISTOL TEAM MATCH

Order	Team	Slow Fire	20s. Fire	10s. Fire	Total
1	Greenwich, Conn., Rifle Club:				
	Lane, A. P.....	100	98	96	294
	Raymond, P. A.....	99	97	93	289
	Harrison, C. W.....	98	92	84	274
	Bayliss, H. A.....	98	99	89	286
	Hession, J. W.....	93	88	67	248
	Totals.....	488	474	429	1,391
2	Infantry Team No. 1.....	469	447	431	1,347
3	U. S. Cavalry.....	463	442	423	1,328
4	Texas Civilian Team.....	458	441	427	1,326
5	Philippine Scouts.....	460	441	421	1,322
6	A. E. F. Rifle Team.....	480	439	402	1,321
7	Manhattan R. & R. Ass'n.....	462	424	418	1,304
8	Missouri Team No. 1.....	462	416	412	1,290
9	Infantry Team No. 2.....	439	425	411	1,275
10	U. S. Navy.....	404	453	417	1,274
11	Illinois Civilian Team.....	465	411	393	1,269
12	Missouri Team No. 2.....	438	367	314	1,119
13	California Civ. Team.....	368	359	344	1,071

(Only four men fired on California Team)

Three teams representing police departments entered with the civilian and service teams and shot to decide the N. R. A. Police Team Match. This event resulted in these scores:

THE POLICE PISTOL TEAM MATCH

		Final Stage			
Order	Team	Slow Fire	20s. Fire	10s. Fire	Total
1	Philadelphia Police:				
	Thomas, Herman.....	95	85	85	265
	Brown, H.....	86	88	76	250
	Eckels, J.....	93	72	74	239
	Beers, C. A.....	94	71	74	239
	Taylor, C. R.....	91	87	75	253
	Totals.....	459	403	384	1,246
2	Independent Police.....	456	385	294	1,135
3	Essex County Park Police.....	456	309	362	1,127



## RICOCHETS FROM THE BUTTS

THE Nineteen-Nineteen National Matches have gone "over the top" for a record attendance. On August 16 there were on the grounds 58 teams actually participating in the matches. In addition at that time 15 more teams were expected. If the fifteen teams materialize, the Caldwell meeting will be easily the greatest in history in point of numbers as well as in scope. The National Matches of 1916 which were the first in which civilians participated had 52 teams in attendance and those held at Camp Perry in 1918 were attended by 55 teams.

The teams which have arrived since last week include: Pennsylvania Civilian Team, C. A. Dunn, Captain; Michigan Civilian, Maj. Clyde E. Wilson, Captain; Idaho Civilian, J. B. Burns, Captain; California National Guard, Maj. W. M. Mullett, Captain; Kansas National Guard, First Lieut. Orville M. Allegre, Captain; District of Columbia National Guard, Maj. F. W. Holt, Team Captain; Minnesota National Guard, Maj. Jason L. Lewis, Captain; Minnesota Civilian, A. C. Jensen, Captain; Navy Training Station Team, Hampton Roads, Va., Capt. C. H. Macklin, Team Captain; Sixth Regiment, U. S. M. C. Team, Marine Gunner Charles R. Nordstrom, Captain; Fifth Regiment, U. S. M. C. Team, Sgt. E. J. Cunningham, Captain; Porto Rico Civilian, J. E. Heinsman, Captain; 74th New York Infantry National Guard, Capt. Robert C. Caupp, Captain; Missouri Civilian, Capt. L. M. Rusey, Captain; Florida Civilian, L. H. Burkhardt, Captain; New Mexico Civilian, E. J. Fecmster, Captain.

So far as camping conditions are concerned, the range is vastly improved, and the teams are quite as comfortably situated—if not more so—than they were at Camp Perry during last year's rain-drenched meeting. Many of the teams are housed in roomy, dry barrack buildings while those under canvas are in tents supplied with wooden floors. The civilians who recall the mucky clay floors of the Camp Perry tents will appreciate that this is a marked blessing.

The crack of the scattergun is being heard at Caldwell. On the left of the roadway, approaching camp, the American Trapshooting Association has installed two traps. They are in charge of J. B. Rumbough of the A. T. A.

As originally planned there was to have been a generous supply of shot-gun shells, clay birds and scatterguns donated by the government. These supplies have not yet arrived, although they are expected. At present, however, visitors to camp and contestants in the rifle and pistol events can shoot a string of tar hawks at small expense. The government supplies, when they arrive, according to Mr. Rumbough, will be used without charge to instruct tyros in the art of trapshooting.

At these traps later in the month will be shot the scattergun stage of the all-round match.

The guns available are the Stevens, Marlins, Winchesters, Ithicas, Parkers, Smiths, and Dalys. Trap equipment consists of two Ideal Leggett Traps. Targets are thrown the regulation fifty yards and at unknown angles.

Ladies as well as gentlemen are eligible to compete in the matches, in addition to receiving instructions in trap-shooting. It is expected that the members of the fair sex will capture many of the trophies given by the association.

After the preliminary instruction and matches, there will be a final tournament held from August 20 to August 30, during which time the most famous trap-shooters from all

the States will attend and compete. These will include Mr. Lester German, Mr. and Mrs. Topperwein, and Miss Annie Oakley, all of whom are well known to the lovers of the game.

The final feature of the tournament will be the All-round Championship Match. This will be an innovation in itself, as the competitor will be required to fire the regulation service rifle through the course as prescribed for the National Individual Match, then the regulation .45 calibre pistol through a course similar to the National Pistol Match, the small-bore rifle will follow, and finally the shot-gun at singles and doubles. The total aggregate score of all the arms will be taken, and the competitor making the highest total score will be officially declared the All-round Champion Shot of the United States. A handsome trophy will accompany the title.

THE new Visitors' House which was constructed especially for the entertainment of transients has been completed and was opened August 16.

The Spanish Mission design which has been well followed in the architectural treatment of the front exterior as well as the entire interior of the house is quaint and pleasing. The large, completely screened porch at the west side of the building is capable of accommodating all who may wish to lounge out of doors. The floral decorations add greatly to the attractiveness of these verandas.

At the right of the spacious and cheerful entrance hall one finds a comfortably equipped smoking room, and directly opposite is a cozy rest room for ladies, offering such comforts and conveniences as only such a sanctuary can, and such as women know best how to appreciate. In the entrance hall are also found the built-in sound-proof telephones.

The commodious and tastefully arranged reception room with its picturesque open mission hearth of tapestry brick, and its harmonious draperies and decorations, tempts one to linger and so enjoy the extreme comfort it presents. Periodicals and novels of all descriptions are to be found here, as are games of chess, checkers and the like. Likewise are provided ample materials for those who would write. Here also one may seek solace, or inspiration, or what not, as one prefers, at the player piano or graphophone, the assortment of selections from which one may choose having a wide range from opera to jazz.

MANY secrets of the Construction Division of the United States Army are for the first time being revealed to the public by a most interesting exhibit, and a comprehensive series of lectures at the National Match Range.

Less, probably, is known of the work performed by the Construction Division of the United States Army during the war than of any other branch of the service. Perhaps this is due to the fact that this is a new corps, which has been organized since our entry into the war, to take care of the highly necessary and enormous construction work of the entire army. The public thinks of war, generally, in terms of men, guns, and supplies, but it knows little of the manner in which an army is housed, and little of the preparation of sufficient plans for the huge production of war materials.

Something of the magnitude of the work completed may be appreciated when one considers that it took about ten years to construct the Panama Canal, at an expenditure of three hundred and seventy-five million dollars, while the Construction Division completed over a billion dollars worth of work in a year and a half. In this connection it may be stated that the housing of a million men in barracks, complete with sewers, water, heat and electricity was accomplished in ninety days from its

inception and marks the most stupendous feat in history. It should be born in mind that the largest refrigerating plants in the world, which were constructed in France for the storage of perishables, were planned, set up and operated by personnel of the Construction Division.

Our National Army cantonments, National Guard camps, ordnance plants, hospitals, aviation fields, storage warehouses, army supply bases, docks, wharves, refrigerating plants, and miscellaneous buildings were all planned and built by the Construction Division.

The exhibit of the work done by the division, as shown at the Navy Rifle Range at Caldwell, consists mainly of photographs, plans, models, details and drawings, of the various camps and buildings in all stages of construction.

Major O. C. Wyman, one of the military experts of the Construction Division, who is in charge of the exhibit, is delivering the lectures. He is assisted by Lieutenant G. A. Newell, Jr., another construction expert.

COMMERCIAL Row is losing none of its charm for the rifleman here. Those who remain in camp o' nights may be found in the buildings and tents of the ammunition and firearms companies. Two more tents have appeared on the row. In one, A. C. Hurlburt is displaying the line of pistols and revolvers which bear the Colts mark while the second new layout bears the banner of the Peters Cartridge Company.

Tom Davis of the Winchester Company, and Frank J. Kahrs of the Remington Company, have been in camp. Frank, who is known to many riflemen as "Al Blanco," under which signature he wrote for many years, intends to return and try out for the International Small-bore Team.

THE Adjutants' General Match which was won in 1916 and 1918 by Gen. W. M. Moore, the Adjutant General of South Carolina, promises to be a hotly-contested event. There are two other aspirants on the ground who hope to take the big silver trophy home with them, while Gen. Moore is just as determined that it shall return to South Carolina with him. General M. J. Sullivan of Nevada, is one of General Moore's opponents while Maj. R. D. LaGarde, the Adjutant General of the District of Columbia is the other, and the field may be more crowded by the time the match is shot. General Sullivan is an ardent supporter of the rifle-practice idea, and it was due largely to him, the delegation from his State asserts, that Nevada was in front in several war-time activities. He aided materially in obtaining the passage of the measure which sought to establish a State range in Nevada for the purpose of holding annual try-outs for National Match teams. This bill was vetoed by the Governor of the State. Major LaGarde is the Director of Civilian Rifle Practice for the War Department and has been active in rifle shooting for many years.

WORD which reached Caldwell on Aug. 14 that Sea Girt had been swept by the storm which wrecked seaside resorts the day before, brought momentary dismay to the many shooters who plan to enter the New York and New Jersey State Association Matches scheduled on that range September 1 to 8. The first reports had it that the range itself was badly damaged, and Lieut. Col. W. C. Harlee, executive officer of the National Matches promptly telegraphed the New Jersey officials offering any aid that the Navy detail now at Caldwell could give.

Later reports from those who visited Sea Girt after the blow showed that the damage was slight, the range escaping injury and only the canvas camp suffered, every tent on the ground having been blown down.





## GRAND AMERICAN HANDICAP

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UMC

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R. J. Moore, who won second place, used Remington UMC.

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ONE of the most interesting exhibits featured by the Army Ordnance Exhibit of field artillery materiel at the Navy Rifle Range, Caldwell, N. J., where the National Matches are being held this month, is the latest American 75-mm. field gun.

Modeled from the famous French "75," which fought through the entire war from the first battle of the Marne in September, 1914, to the last battle of the Meuse-Argonne, terminating November 11, 1918, the American "75" stands forth today as the premier product of artillery manufacture the world over.

As the French "75," contemptuously described by the Germans as the "French Lady's Gun" which could not stand for a moment against the efficient German "77," had tripped Von Kluck, and had sent him staggering back toward the Rhine, so did the new American "75," the product of Yankee brains and ingenuity, trip up the cream of the German army at the Meuse, and accelerate its retreat to Germany.

The Hun soon discovered that his guns were no match for the American "75's," and that whenever opposed to the American gunners, his fire would invariably be smothered by the Yankee barrage. This led him to avoid duels with American artillerymen, and caused allied superiority of fire on the Western front.

Officially known as the American 75-mm. field gun (Model 1916), the piece exhibited at the Navy Rifle Range at Caldwell is a decided improvement over the famous French "75." The fact of its superiority led to the adoption of our model by the French government. There are two factors to its improvement:

(a) The "Split trail" which enables the piece to be traversed to the right or left without pulling up the spade on the end of the trail, is one of the features of the new gun. All other field pieces have a solid trail; and in order to traverse to the right or left, it is necessary to pull up the spade, swing the trail around and then "lay" or aim the piece again. The new split trail overcomes this unnecessary delay and effort in firing the modern field piece.

(b) The "Recuperator," which is a tremendous factor in the rapid firing of the piece, makes a smooth recoil and return of the piece to the "battery," thus obviating the necessity of laying or aiming the piece over again with resulting loss of time. It is far superior to any known, including even that of the French "75." It is a well-known fact that the recuperator of the far-famed French "75" has been a jealously-guarded secret by that government ever since its invention by a young French officer, and its adoption by the French in the early 90's. The German so-called recuperator was a clumsy combination of springs which made possible only half the rapidity of fire of the French "75's," and one-third the rate of fire of the American gun.

It was at first doubted that our government could ever turn out a recuperator to excel or even equal that of the "French 75," but with the help of the French Artillery Commission which came to Washington, the making and adopting of the most perfect field piece in the world was accomplished.

A wonderful opportunity is now afforded to all to see this famous modern field piece at

the Navy Rifle Range at Caldwell, N. J., and to have the same explained in detail by Major C. D. Wescott, Ordnance Corps, U. S. Army.

Major Wescott, who is the Chairman of the Army Ordnance Committee, Washington, D. C., is in charge of the entire Army Ordnance Exhibit, and is assisted in his lectures by Mr. C. E. Riordan, civilian expert of the Ordnance Department, United States Army.

#### WATCH FOR BANDED DUCKS

This fall, it is hoped sportsmen will carefully examine all ducks killed, to ascertain whether or not any are banded. The American Bird Banding Association, with headquarters at the American Museum of Natural History, New York City, the United States Department of Agriculture, Washington, D. C., and several individuals are making a practice of banding waterfowl, to ascertain their migratory lines of flight.

Wild ducks are trapped by those having permits and again liberated after having an aluminum band firmly fastened to one leg. These bands are numbered and also are stamped with the address of the person or association doing the work. A card index system is kept by those releasing the bird, listing all data in connection with each bird liberated. When the bird is killed, the gunner is requested to communicate with the address on the band, giving the number, species of duck and place and date killed. From these facts it is very easy to determine the routes traveled by the birds, and as more and more of this information



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accumulates, the more certain we will be of their exact movements.

To successfully protect waterfowl and to better shooting conditions over the country, it is imperative that we know more about the habits of these birds than we do at present.

Comparatively speaking, very few ducks nest east of Hudson Bay and the general trend of the migration of waterfowl is from the northwest to the southeast. The majority of ducks wintering along the Atlantic Coast are hatched in that vast area of marsh and prairie land lying west of Hudson Bay. The bulk of the ducks that

nest within the boundaries of the United States from Kansas and Nebraska northwest, migrate to the Mississippi Valley and the Gulf Coast for the winter. Their flight also has a southeastward tendency. California's ducks are supposed to come straight down the coast line in a direct southern flight. These conclusions have been arrived at by the gathering of much data by men who have devoted their life to this work and in the main they are undoubtedly correct. However, there is much important information still to be secured from tracing the lines of flight of banded ducks.

Just recently a banded duck has proved conclusively that occasionally ducks bear to the west in their southern migration. On October 20, 1918, Mr. H. S. Osler, 801 Dominion Bank Building, Toronto, Canada, banded and released an adult male black duck which he had trapped for this purpose at Lake Scugog near Port Perry, Ontario, Canada. This duck was banded No. 36932 Am. Museum, New York. That same fall, Harry Meier took this black mallard in the state of Michigan, near Marine City.

This bird had worked approximately 175 miles to the westward and only 90 miles to the south on the 200 mile migration. It



seems probable that had not this duck been taken, its line of flight would have been down in Mississippi Valley, by way of the Kankakee, or to the Wabash and Ohio and then along the Mississippi to winter either among the many birds using the swamps and marshes along this river, or to continue the trip on down to the delta and gulf country.

#### SHOULD ENCOURAGE FREE SHOOTING

Free shooting and fishing must not be allowed to disappear, for directly thereon rest not only the health and happiness of thousands of our citizens, but in a large measure, our national security. No one doubts that as a nation we must always depend upon the virility of our young manhood.

Major-General Hugh L. Scott, that dean of American fighting men, strongly urges that both State and Federal aid be given to every legitimate movement to make attractive and perpetuate our outdoor interests. Hunting and fishing he places in the front rank of outdoor sports, which he believes was one of the greatest factors in making it possible for Uncle Sam to cross the seas with an army capable of standing the strain and acquitting themselves as our boys did. General Scott knows whereof he speaks. Retired under the age limit, his robust body and keen mind permitted him to spring back into the harness at his country's call. He credits his fitness to the clean outdoor life he has lead.

The most important thing to keep in mind is the sensible conserving of the game and fish we have now. No one section of the country must be allowed to overindulge its natural wish to take game or fish to its own detriment or to that of another section. Whether we perpetuate a species by artificial breeding and distribution, or by commonsense restrictive legislation, is not the point. The fact is that each and every American species must be saved and increased to numbers permitting at least some shooting. We cannot afford to delay or quibble over doing a thing that must be done.

The incentive to go afield being provided, some place to go must be furnished. The federal government, the States, associations, or philanthropic individuals should set aside at once as many public hunting preserves as possible. This duty is the duty of the State, but the State is an abstract term. It is up to the citizens to start the ball rolling. Marshes are being drained and thickets cleared to provide more grain and incidentally more dollars to some individual. Now is the time to buy, while much territory can still be purchased at a small figure. Again, the question is not who shall provide, but the fact that some territory for public shooting and fishing must be provided. All interested should put their shoulders to the wheel and help. This does not mean simply sportsmen, but all Americans who wish to see our nation composed of strong, healthy men, who may be better able to withstand the duties of our "strenuous" life.

These clubs have been admitted to membership in the National Rifle Association.

#### CIVILIAN RIFLE CLUBS

##### California

Marine Corps Veterans Rifle Club of Oakland—J. J. Weisbrod, secretary; E. T. Wright, president; J. Wall, vice-president; J. A. F. Jeffery, treasurer; G. W. Henry, executive officer. Membership, 20.

##### Colorado

Crystal River Rifle Club of Carbondale—Roy Shadle, secretary; S. B. Mansfield, president; W. R. Tubbs, vice-president; O. F. Claggett, treasurer; H. W. Robinson, executive officer. Membership, 20.

##### Indiana

Noblesville Rifle Club—Frank M. Owens, secretary; J. W. Evans, president; O. F. Bart, vice-president; G. H. Dick, treasurer; Thos. E. Kane, executive officer. Membership, 32.

##### New Jersey

Company "A" Rifle Club of Jersey City—C. L. Intemann, recording secretary; Floyd A. Wilkinson, president; George Brorstrom, vice-president; C. J. Baker, treasurer; V. J. Meale, financial secretary; Floyd A. Wilkinson, executive officer. Membership, 51.

##### New York

Orchard Park Rifle Club—Carlton Willis, secretary; Niles Loveland, president; Charles Adams, vice-president; George Willard, treasurer; Harold Stahl, executive officer. Membership, 30.

Utica National Rifle Club—D. Vaughn Ely, secretary; Chas. C. Sliter, president; Wilfred S. Winchester, vice-president; Harry Lancaster, treasurer; Chester A. W. Smith, executive officer. Membership, 15.

##### Massachusetts

Marine Corps Civilian Rifle & Gun Club of Springfield—R. A. Hitt, secretary; Walter F. Roper, president; D. B. Wesson, vice-president; F. B. Dannals, treasurer; Wm. E. Payne, executive officer. Membership, 15.

##### Michigan

Willis Rifle Club of Detroit—Hale G. Knight, secretary and treasurer; Robt. C. Restrick, president; Herbert Weber, vice-president; John T. Naylor, executive officer. Membership, 11.

##### Wisconsin

Melrose Military Rifle Club—Z. W. Gilbert, secretary; I. E. Nolte, president; Ward O. Gilbert, vice-president; Earl Young, treasurer; Allen Kimball, executive officer. Membership, 62.

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Bronxville Junior Rifle Club—Charles H. Smith, Jr., secretary and treasurer; Jack Whitbeck, president; Glenn Gardner, vice-president; John Anderson, executive officer. Membership 25.

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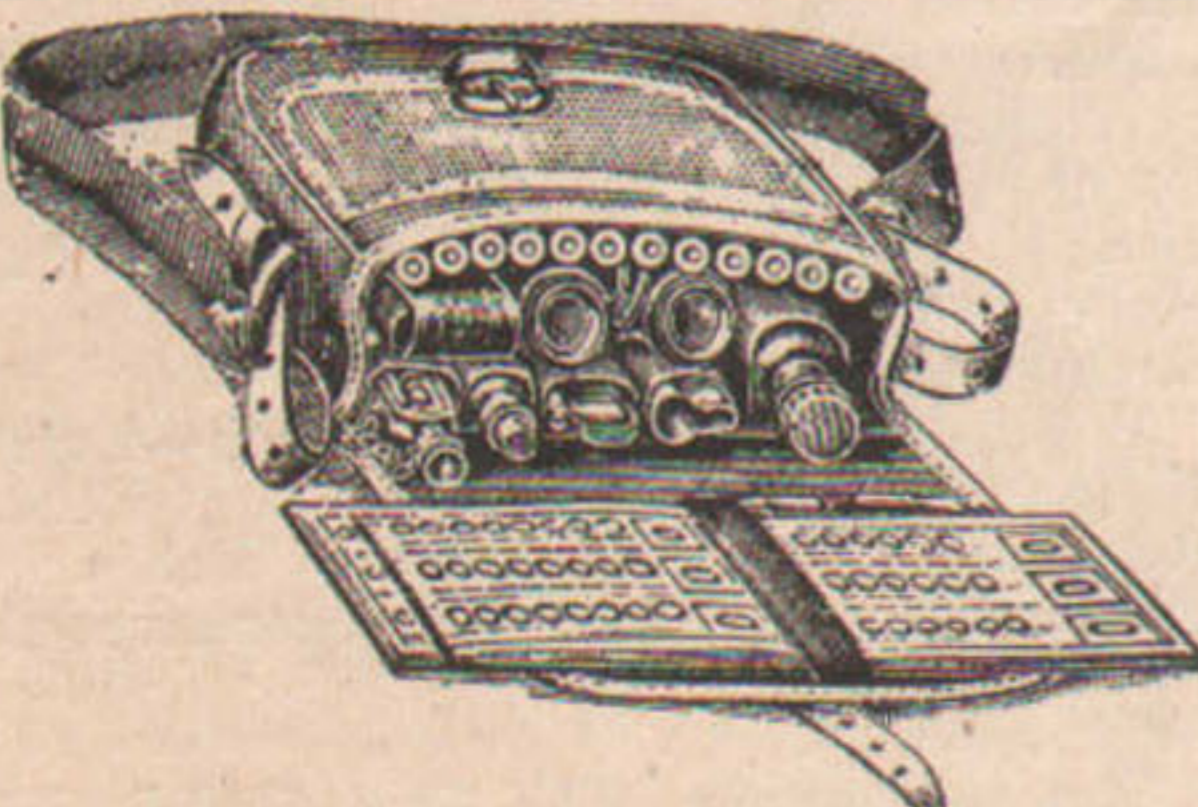
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