

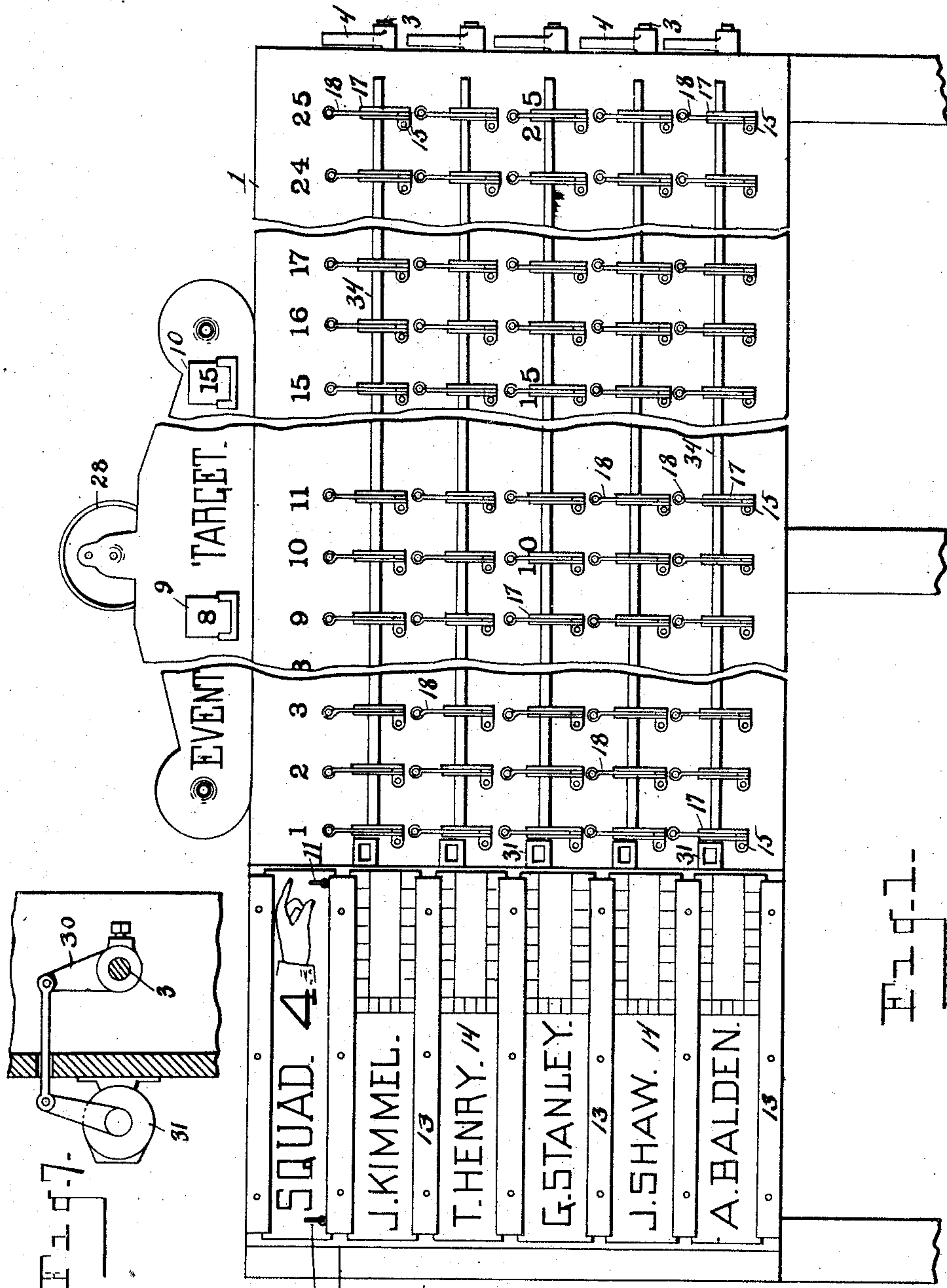
No. 875,862.

PATENTED JAN. 7, 1908.

M. F. STANLEY.
SCORING DEVICE.

APPLICATION FILED FEB. 23, 1907.

2 SHEETS—SHEET 1.



WITNESSES
O. B. Baenziger.
E. M. Brown.

INVENTOR
M. F. Stanley
By *Edward N. Pagelsen.*
Attorney.

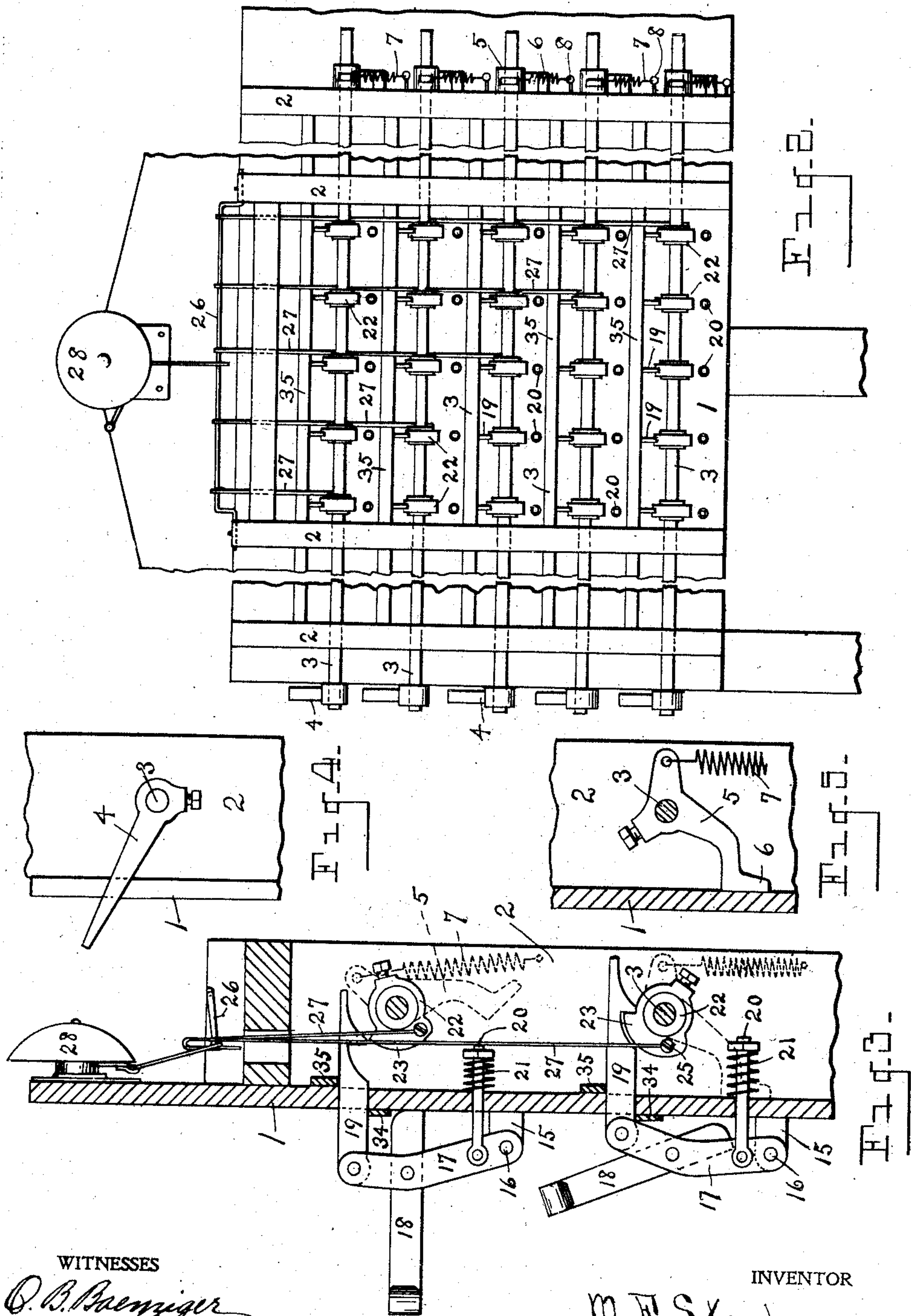
No. 875,862.

PATENTED JAN. 7, 1908.

M. F. STANLEY.
SCORING DEVICE.

APPLICATION FILED FEB. 23, 1907.

2 SHEETS—SHEET 2.



WITNESSES

O. B. Prentiss
E. M. Brown

INVENTOR

M. F. Stanley

By *Edward N. Pagelsen*
Attorney

UNITED STATES PATENT OFFICE.

MERRITT F. STANLEY, OF NORTHVILLE, MICHIGAN.

SCORING DEVICE.

No. 875,862.

Specification of Letters Patent.

Patented Jan. 7, 1908.

Application filed February 23, 1907. Serial No. 359,004.

To all whom it may concern:

Be it known that I, MERRITT F. STANLEY, a citizen of the United States, residing at Northville, in the county of Wayne and State of Michigan, have invented a new and Improved Scoring Device, of which the following is a specification.

My invention relates to means for keeping score in competitive events, particularly for target and trap shooting, and the object of my improvements is to provide a device which will announce to the competitors that a hit has been scored, which will indicate the number of hits and their order, and which can be easily reset.

My invention consists of novel indicating means; in a novel registering mechanism; and in a novel combination of parts which will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a front view of my improved scoring device. Fig. 2 is a rear view of the same. Fig. 3 is a vertical cross section showing indicators and the announcing bell. Fig. 4 is a view of a resetting lever. Fig. 5 is a view of a return lever. Fig. 6 is an edge view of the squad score card. Fig. 7 shows the connection to the register.

Similar reference characters refer to like parts throughout the several views.

Trap shooting, whether with birds or artificial targets, is usually competitive, and the contestants are often grouped in squads and in turn fire the predetermined number of shots. It is desirable that the competitor be audibly assured that each hit is scored so as to avoid any necessity of turning around. It is also desirable that the score shall remain indicated until he can examine the same. The names of the members of each squad should be previously arranged so they may group themselves and thus lose no time when their turn arrives to go to the shooting stand.

In the drawings, 1 is a board on the back of which are secured a series of upright strips 2 which stiffen the board and also furnish bearings for the shafts 3 which pass through these uprights. At the right ends of the shafts are short resetting handles 4 and on the left ends are the return levers 5. These return levers have feet 6 to contact with the board 1 to limit their movement, and springs 7 to return the shafts to normal position. The lower ends of the springs are secured to pins 8 projecting from an adjacent upright 2.

In the drawing, the scoring device is shown

adapted for squads of five men each, and each man may fire at twenty-five birds. An indicator at the top of the device is supplied with holders, one, 9, for the card indicating the event, and a second, 10, indicating the target or the trap from which the bird is to rise, every contestant in any of the events using the same target or trap. At the left end of the board are hooks 11, which support the squad cards 12, which have preferably a back of some flexible material such as linoleum, to which are secured strips 13 of sheet metal to hold the individual cards 14. The advantage of this flexibility is, that when the card back is bent the edges of the strip 13 will separate to permit the introduction and removal of the individual cards 14. The cards 14 should contain the names of the contestants and spaces for their total scores in the various events.

On the board 1 are mounted the indicators, which are each formed of a bracket 15 secured to the board, which bracket has a pin 16 in its outer end. A double lever 17 is mounted on this pin, and between the two parts are mounted the indicator 18 and the hook 19. A bolt 20 is pivoted to the lever 17 and projects through the board. A spring 21 on this bolt, on the rear side of the board 1, holds the parts in the normal position as shown in the lower portion of Fig. 3.

On the shafts 3, to the rear of each indicator, and on the opposite side of the board 1, is a knuckle 22 having a segment 23, and is secured to its shaft 3 by a set screw. Metal strips 34 are secured to the front of the board 1 below the hooks, and other metal strips 35 are secured to the rear of the board above the hook to guide the same.

As stated before, the parts are usually in the position shown in the lower part of Fig. 3. Whenever a hit is made the scorer pulls down the outer end of the indicator 18 to the position shown in the upper end of Fig. 3. This causes the hook 19 to turn the shaft through its knuckle 22, until the hook passes out of the arc of the segment 23, when the spring 7 will return the shaft and knuckles to normal position, at which point, the segment will be in the path of the hook and prevent its return, even should the lever 18 be raised. In one panel, the knuckles are provided with pins 25 which connect to a bail 26 by means of the rods 27. The bail connects to the actuating mechanism of the bell 28, so that, at each actuation of the shafts 3, that

is, whenever a hit is indicated, the bell will sound, thus notifying the contestant that his score has been counted. The shafts 3 each carry a lever 30 at some convenient point, 5 which lever is connected to a register 31 which will indicate how often the shaft has been actuated, thus furnishing a check of the score. At each hit, an indicator 18 is pulled down and remains there until the 10 squad has completed its turn at the targets. When complete score has been noted on the individual cards 14, the squad score card is removed, the indicators 18 are elevated and the handles 4 are pulled down. Pulling 15 down these handles turns the segments 23 out of the path of the hooks 19 and permits the springs 21 to return the parts to normal position. The next squad card is then hung in position and the operations are repeated.

20 Having now explained my improvements, what I claim as my invention and desire to secure by Letters Patent, is:—

1. In a scoring device, the combination of 25 a board, brackets secured thereto, levers mounted thereon, indicators and actuating hooks carried by the levers, a longitudinally extending shaft, knuckles on said shaft having projections in the paths of said hooks, and springs to return the parts to normal 30 position when released.

2. In a scoring device, a board, a score card attached thereto to indicate the con-

testants, indicators mounted on said board comprising levers and indicating arms, hooks 35 attached to said indicators, shafts mounted on said board, means carried by the shafts to be actuated by said indicators, means to return said shafts to normal position, and handles to move said shafts to permit the indicators to resume normal position. 40

3. In a scoring device, a score board comprising individual cards to indicate the contestants, a frame, indicators mounted on 45 said frame comprising levers and indicating arms, a shaft mounted on said frame and adapted to be actuated by the indicators, means to prevent the indicators returning to normal position and means to actuate the shaft to permit the indicators to return to 50 normal position.

4. In a scoring device, a frame, indicators mounted thereon, a shaft mounted on said 55 frame and adapted to be actuated by the indicators, and means mounted on said shaft to prevent the indicators returning to normal position, said shaft being adapted to turn to release the indicators.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

MERRITT F. STANLEY.

Witnesses:

WALTER F. STRAUSS,
JOHN J. SMITH.