

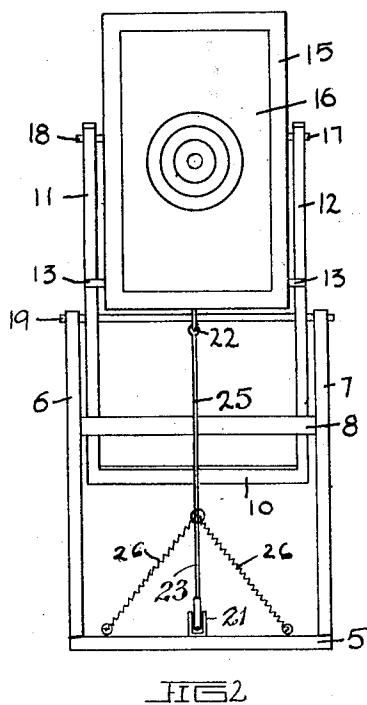
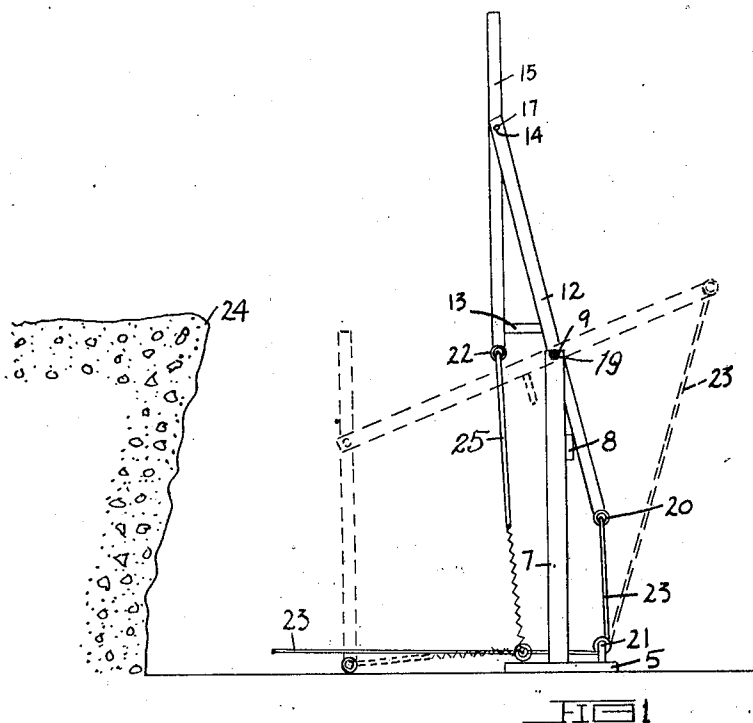
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TARGET

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TARGET

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This invention relates to new and novel improvements in targets and while it is adapted to be used on targets generally, it is particularly adapted for use as a target on long distance shooting ranges.

Objects of the invention are to provide a target holding device of simple, durable construction which may be manufactured at a low cost and which may be easily and conveniently operated.

A further object is to provide a target mounting device which may be used behind a parapet or other protective structure or in a pit and to provide conveniently operable, efficient means whereby the target frame may be quickly and easily lowered for scoring or for changing the target sheet and which may be quickly and conveniently raised to present the target to the rifle men.

A still further object is to provide a target frame having pivotally mounted target carrying arms which may be quickly and conveniently removed and replaced when weakened by rifle fire or otherwise broken.

An additional object is to provide a target which may be operated with one control and which may be marked, scored, raised and lowered without danger to the operator.

The above objects are accomplished and additional ends are attained by the novel construction, combination and arrangement of parts hereinafter described and illustrated in the accompanying drawings wherein I have shown a preferred embodiment of the invention, it being understood that the invention is capable of various adaptations and that changes and modifications may be made or resort had to substitutions which come within the scope of the claims hereunto appended.

In the drawings which form a part hereof like characters of reference are used to designate like parts as the same may appear in any of the several views and in which:

Figure 1 is a side elevational view of a

target mounting device constructed in accordance with this invention, the same being shown in a raised position, the parapet being shown in cross sections and dotted lines being used to indicate the position of the target when lowered.

Figure 2 is a front elevational view showing the target in a raised position.

Proceeding now to a detailed description of the invention with reference to the particular adaptation thereof disclosed in the drawings. The numeral 5 is used to denote a suitable base member and the numerals 6 and 7 upright side members which are secured to the base 5 so as to project upwardly therefrom in parallel, spaced relation to each other. The numeral 8 denotes a horizontal cross member having one end thereof secured to the upright member 6 and the other end thereof secured to the upright member 7. The cross member 8 serves to strengthen the frame structure and also provide a stop as hereinafter described. Each upright member 6 and 7 is provided on the upper face thereof with a laterally directed notch 9 which are formed therein coaxial relation to each other.

The target frame comprises a lower cross member 10, two side members 11 and 12 and an intermediate cross member 13, which are suitably secured together to form a rectangular structure. The upper or free ends of the target frame members 11 and 12 are provided with coaxially aligned bores 14.

The numeral 15 denotes a rectangular frame to which the target sheet 16 is secured. The frame 15 is provided on each lateral side thereof at points spaced above the center thereof with the axially aligned stub shafts 17 and 18. The shaft 17 is mounted in the bore 14 in the upwardly projecting arm 12 and the shaft 18 is mounted in the bore 14 in the arm 11. It will be noted that the arms 11 and 12 are not connected at the upper end thereof and that the said arms may be spread

apart to remove or replace the target frame 15. The numeral 19 denotes a shaft which extends through suitable bores in the frame members 11 and 12 and projects from each lateral side thereof. The target carrying arms 11 and 12 are mounted on the upright members 6 and 7 with each end of the shaft 19 mounted in one of the notches 9 so that the target frame may be swung on a horizontal axis.

The cross member 10 is provided with a downwardly depending eye 20. The base member 5 is provided with an upwardly presented sheave 21. The numeral 22 denotes an eye or other fastening member which is secured to the bottom stile of the target carrying frame 15. A rope 23 is secured to the eye 20 and operatively positioned around the sheave 21 with the free end of the rope extending forwardly from the base member 5. A rope 25 or other suitable member is secured to the eye 22 with the other end thereof secured to the springs 26 which are secured to the base member 5.

It will be noted that when a pull is exerted on the rope 23 that the lower ends of the arms 11 and 12 will be swung downwardly to bring the target frame 15 to an upright position. The rope 23 and the springs 26 exert a downward pull on the frame 15 whereby the frame 15 will be brought into a vertical position with the lower edge thereof positioned against the cross member 13 and the lower portion of the arms 11 and 12 positioned against the cross member 8. In this position the target frame will be securely held in position whereby it will not be easily moved by the wind or otherwise unintentionally moved.

As soon as the desired number of shots have been taken the rope 23 is released thereby causing the members 11 and 12 to swing downwardly to the position shown by the dotted lines in Figure 1. As a greater amount of weight is supported on the upper ends of the arms 11 and 12 and as the frame 15 is hingedly connected to the arms 11 and 12 at a point above the medial line thereof, the frame 15 will be presented in a vertical position directly in front of the operator. The operator being positioned behind the parapet 24 is in a safe position and can quickly and accurately ascertain the location and number of hits and can quickly and conveniently change the target and exert a pull on the rope 23 to again raise the target frame 15 to a position where it is in full view of the rifle men.

While I have shown specific means for hingedly connecting the side members 11 and 12 to the upright members 6 and 7, and the frame 15 to the arms 11 and 12, it is to be understood that any suitable means may be employed.

Having thus illustrated a preferred embodiment of my invention and described the

same in detail, what I claim as new and desire to secure by Letters Patent is:

1. In a device of the class described a supporting structure, arms pivotally mounted on said structure, means carried by said supporting structure to limit the pivotal movement of said arms, a target carrying member pivotally supported between said arms, means carried by said arms to limit the movement of the target carrying member thereon, a sheave on said supporting structure, and a rope secured with said arms, said rope operatively positioned on said sheave and extending forwardly whereby a pull exerted on the rope will raise said arms and hold said target carrying member in a vertical position.

2. A target comprising a supporting structure, a yoke-shaped element pivotally supported by said structure, a target carrying member pivotally supported by said element, means for limiting the pivoted movement of the target carrying member in a forward direction, means for limiting the pivoting movement of said element rearwardly, a pull member connected to said element, a pull member guide means carried by said structure, and a resilient connection between said target carrying member and said structure.

3. A target comprising a base provided with a pair of uprights, a carrier pivotally supported between and extending above said uprights, a target carrying member pivotally supported between and extending upon said carrier, means connected with said member and coacting with the carrier for arresting the pivoting movement of the members in one direction, means carried by the uprights for arresting the pivoting movement of the carrier in one direction, a pull member for said carrier, means arranged on the base rearwardly of said uprights to provide a guide for the pull member, said pull member extending forwardly from said base, and resilient means attached at its upper end to the target carrying member and at its lower end to said base forwardly of said uprights.

4. A target comprising a pivoted target carrying member, a pivot carrier for said member, a supporting structure for the carrier, a resilient coupling means between said member and supporting structure, and a pull member attached to the carrier, slidably connected to the base and projecting forwardly therefrom.

5. A target comprising a pivoted target carrying member, a pivot carrier for said member, a supporting structure for the carrier, a resilient coupling means between said member and supporting structure, a pull member attached to the carrier, slidably connected to the base and projecting forwardly therefrom, said resilient coupling means anchored to the bottom of the target carrying member centrally thereof and to said structure of the target carrying member centrally

thereof and to said structure at two spaced points, and said pull member anchored at its rear end to the bottom of said carrier centrally thereof.

5 6. A target comprising a pair of spaced uprights, a cross member connecting said uprights together at the rear thereof, a yoke-shaped element pivotally supported intermediate its ends from the top of and having
10 its upper portion permanently projecting forwardly from said uprights, said member limiting the rearward shift of said element, a cross piece connected to the side of said element below its top and above said uprights,
15 a target carrier pivotally supported intermediate its ends upon the top of said element, permanently arranged forwardly of said uprights and having its forward movement limited by said cross piece, a sheave arranged
20 rearwardly of the bottom of the uprights, a resilient element anchored at its upper end of the bottom of the target carrier, means for anchoring the lower end of said resilient element forwardly of the uprights, and a pull
25 member connected to the bottom of said yoke-shaped element, travelling around said sheave and extending forwardly from said uprights.

7. A target comprising a pivotally supported and resiliently anchored target carrier, a pivotally supported yoke-shaped element having said target carrier pivoted thereon, a supporting structure having said element pivoted thereon, said element permanently positioned on said target carrier forwardly of said supporting structure, and a
30 guided pull member attached to said element rearwardly of and extending forwardly from said supporting structure.

8. A target comprising a pivotally supported and resiliently anchored target carrier, a pivotally supported yoke-shaped element having said target carrier pivoted thereon, a supporting structure having said element pivoted thereon, said element permanently positioned on said target carrier forwardly of said supporting structure, a guided
45 pull member attached to said element rearwardly of and extending forwardly from said supporting structure, and means for limiting the pivoting movement of the target carrier in a forward direction and the pivoting movement of said element in a rearward direction.

53 In testimony whereof I have hereunto set my hand.

OVID L. DALLY.