

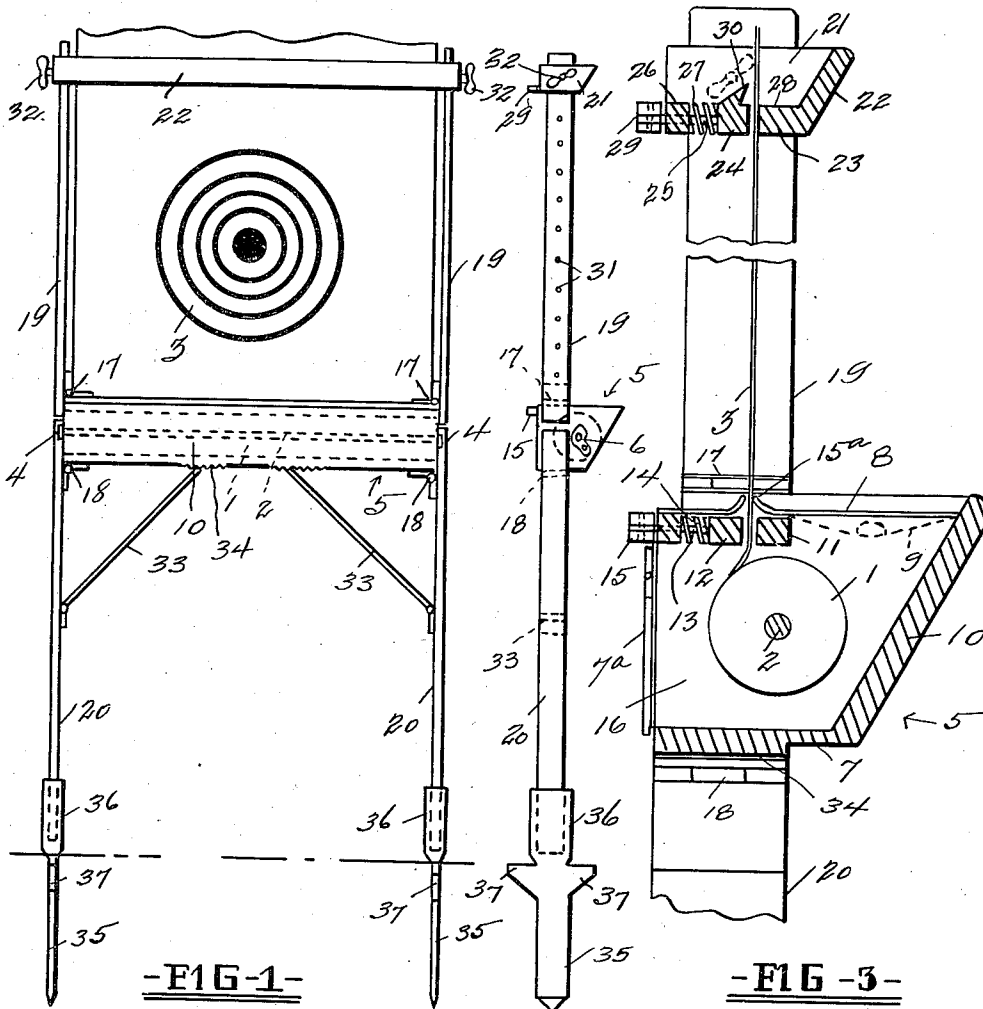
July 21, 1936.

C. E. ARMANTROUT

2,048,155

TARGET

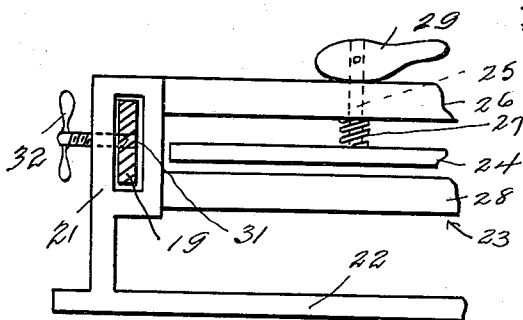
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-FIG-1-

-FIG-3-

-FIG-2-



-FIG-4-

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2,048,155

TARGET

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5 Claims. (Cl. 124—15)

My present invention, in its broad aspect, has reference to improvements in targets, and more particularly it is my purpose to provide a target frame which may be readily set-up and taken down, and which will fold up in a small parcel, and which is light, cheap, collapsible, and bullet proof. A further, and equally important object of my invention is to provide a roll target—that is a roll on which targets are printed so that it may be drawn out to display a new target when one is used up; and which is adaptable to display targets for long and short ranges and for rifle and pistol practice. A still further object of my invention is to provide a target assembly including a collapsible frame and roll target, wherein separate footings are provided, so that footings may be driven into the ground and the legs of the target frame placed therein to support the target, or if desired footings may be provided for receiving the legs to mount the target for indoor practice where the floor is cement or the like. My target, as has been previously stated, is bullet proof, but in addition thereto it is also so formed that ricochets are eliminated, that is bullets are deflected down so that injury to marksmen will not result. The target roll is carried in a weather proof container and the target sheet is supported taut, and may be rolled either up or down (the sheet being drawn out in an upward direction in the present case), and furthermore, when set-up the target frame is steady and rigid, and there are no parts which will deteriorate with exposure to the weather.

Other objects of my invention may be briefly defined as (1) the mechanism for holding the target sheet is simple, inexpensive and not liable to become deranged or broken, (2) the target can be used either for indoor or outdoor ranges, and for either upright or off-hand or prone firing, and for either pistol or rifle practice, (3) the parts collapse and fold up for ready transportation to an outdoor range where the target can be set-up in a moment's time, (4) optional equipment can be supplied in the form of lighting or bracing if desired without modifying the principal features of construction, (5) the target rolls cover all standard rifle and pistol arrangements and are unique and replaceable as used, and (6) the assembly is cheap and efficient, wear-resisting and bullet proof.

While in the foregoing I have described some of the principal objects and advantages of my target, others of equal importance will be apparent as the detailed description proceeds, and therefore I wish it understood that changes may

be made in form, shape, size and arrangement of parts provided they fall within the scope of my inventive concept.

In the drawing wherein I have shown a preferred form of my invention;—

Figure 1 is a front elevation;

Figure 2 is a side view;

Figure 3 is a detail view of the top and bottom clamps for the target roll, together with the container and guards, and

Figure 4 is a detail view of the manner of mounting my top clamp.

In the drawing wherein like characters of reference are used to designate like or similar parts throughout the several views;—

The numeral 1 designates a target roll having a core 2 and a continuous roll of targets 3 which may be suitable for pistol or rifle practice and are of standard designs. The target sheet may be of heavy paper, fabric or the like, and the core 2 has formed at its ends stub axles 4 for reception in bearings in the target roll container 5. A suitable clamp 6 of any suitable design is provided to retain and exert a drag on the axle. The target roll case has a bottom 7, a hingedly mounted back 7a and a sloping top 8 which serves as a water shed as indicated by dotted lines at 9. The front wall 10 of the case is of heavier metal (or armored) to shield the roll from bullets, and is sloped inwardly and downwardly to deflect bullets downwardly into the ground. There is a transverse bar 11 above the roll opposing a clamping bar 12; the target sheet is drawn upwardly between bar 11 and bar 12, and bar 12 is mounted on pins 13 carried in a supporting bar and about which are springs 14 urging bar 11 toward bar 12 to clamp the target sheet therebetween. A cam operating member 15 is provided for releasing bar 12 when it is desired to change targets. The top 8 is formed with a slot through which the sheet is drawn and the edges of which are deflected upwardly as at 15a to prevent ingress of water and the like. The case also has end walls 16 to which are hingedly connected as at 17 and 18 respectively the upper frame members 19 and lower frame members (or legs) designated 20, respectively.

Mounted on the upper frame members 19 is a top target clamp, comprising a frame having end parts 21, a downwardly and inwardly inclined armored front wall 22 and a bottom 23 which has a broad slot therein to receive the top clamping bar 24 carried by pins 25 passing through part 26 and having springs 27 thereon urging the bar 24 toward part 28 of the bottom constituting the stop for the target sheet which is drawn there-

between. A cam operating member 29 is provided for releasing bar 24, and bar 24 has an upwardly and forwardly inclined knife-edge 30 for severing the target sheet. Frame members 19 have a series of holes 31 so that the position of the top clamp may be changed at will, and there are provided wing-bolts 32 for holding the same in position by engaging in said holes.

Both the upper and the lower frame members 19 and 20 are mounted on the hinges to swing inwardly (when the top clamping member is removed) to form a compact parcel; and the bottom frame members 20 have hinged bracing members 33 which engage in a series of V-notches 34 in the bottom 7 to hold the frame rigid.

To mount the target frame in the ground there are provided feet 35 with sockets 36 in which frame members 20 are received, and extending laterally below the sockets are wing members 37 which not only serve to anchor and steady the feet but are used to take axe or hammer blows to drive the feet into the ground. If desired the feet may be modified by providing a horizontal footing part for supporting the target on a cement floor of an indoor range if desired. Furthermore lateral supporting members can be used with frame members 20 if it is desired to mount the target frame permanently, and the frame can also carry lighting arrangements for night firing. None of these attachments are here shown.

From the foregoing it is believed that the operation, construction and advantages of my invention are apparent, but it is again emphasized that changes may be made in size, shape, form and arrangement of parts to adapt my target for varying conditions of use without departing from the spirit of my invention or the scope of the subjoined claims.

I claim:—

1. A collapsible target assembly comprising a continuous roll of targets, a casing for receiving said roll, spaced, relatively parallel supporting frame members below and hinged to the casing for mounting the same, spaced, relatively parallel supporting frame members above the casing and hinged thereto, and between which a target is adapted to be displayed, a top clamping member adjustably carried on the supporting frame members above the casing for holding the target sheet, and a bottom target clamping member.

2. A collapsible target assembly comprising a continuous roll of targets, a casing for receiving the roll and provided with an inwardly and downwardly inclined armored front face, relatively parallel, spaced supporting frame members below and hinged to the ends of the casing for mounting the same, relatively parallel, spaced supporting frame members above the casing and hinged thereto, and between which the target is adapted to be displayed, a top clamping member adjustably and removably carried on the supporting frame members above the casing for holding the target sheet, and provided with an inwardly and

downwardly sloping armored front face, and a bottom target clamping member.

3. A collapsible target assembly comprising a continuous roll of targets, a casing for receiving the roll and provided with an inwardly and downwardly inclined armored front face and a water shedding top, spaced, relatively parallel supporting frame members below the casing and hinged to the casing for mounting the same, supporting frame members above the casing and hinged thereto, and between which the target is adapted to be displayed, a top clamping member having a knife-edge part, adjustably and removably carried on the supporting frame members above the casing for holding the target sheet, and provided with an inwardly and downwardly sloping armored front face, and a bottom target clamping member.

4. A collapsible target assembly, comprising a core having a continuous roll of targets thereon, a container in which the core is rotatably mounted, a clamp carried by said container for engaging the sheet of targets at its point of egress from the container and below a displayed target, said container having a relatively thick downwardly sloping front wall and a cover, relatively parallel spaced frame members above the container and hingedly connected to the ends of the container, relatively parallel lower supporting frame members hingedly connected to the ends of the container, a clamp removably and adjustably attached to the free ends of the upper frame members for engaging the target sheet above a displayed target, said container having a bottom formed with a series of notches therein, and braces carried by the lower frame members and hinged at one end thereto and engaged with their free ends in the series of notches in set up position.

5. A collapsible target assembly, comprising a core having a continuous roll of targets thereon, a container in which the core is rotatably mounted, a clamp carried by said container for engaging the sheet of targets at its point of egress from the container and below a displayed target, said container having a relatively thick front wall sloping downwardly, and a cover, relatively parallel spaced frame members above the container forming a frame and support for a target and hingedly connected at their lower ends to the ends of the container, relatively parallel lower supporting frame members hingedly connected at their upper ends to the ends of the container in line with the upper frame members, a clamp removably and adjustably attached to the free ends of the upper frame members for engaging the target sheet above a displayed target, a cutting member carried by said upper clamp for separating used targets from a sheet, said container having a bottom formed with series of notches therein, and the lower frame members having braces hingedly connected thereto at one end and arranged with their free ends engaging in the series of notches in set up position.

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