No. 766,997. PATENTED AUG. 9, 1904.

G. D. HORST.

CARRIER FOR TARGET TRAPS.

APPLICATION FILED NOV. 11, 1903.

NO MODEL.

Fig. 1.

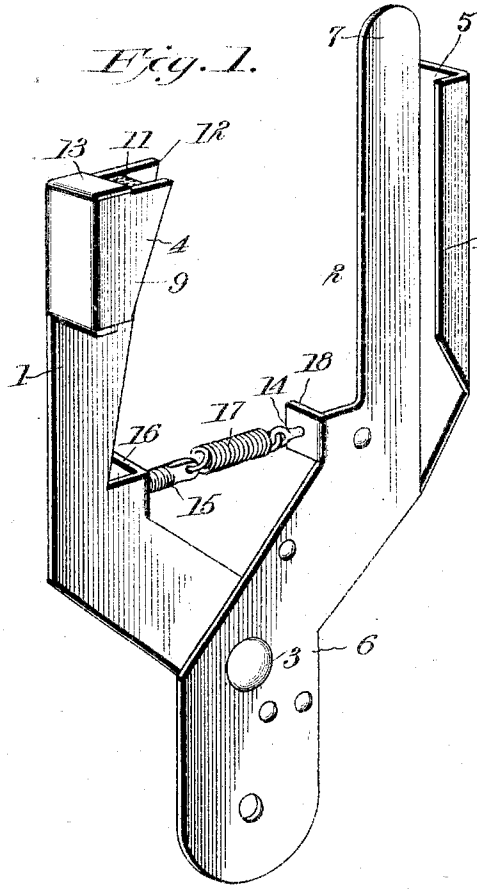


Fig. 2.

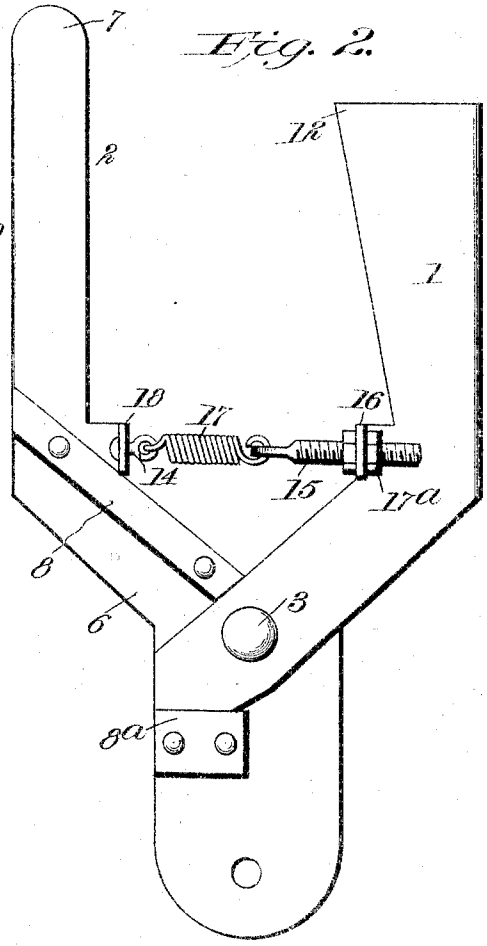


Fig. 4.

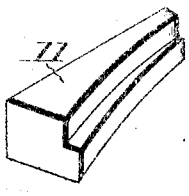
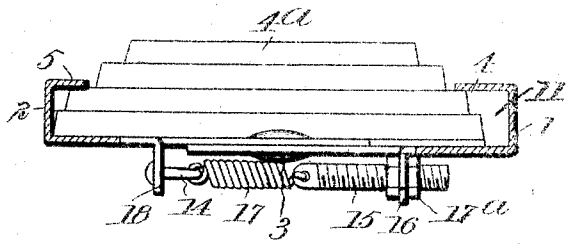


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE D. HORST, OF JACKSON, MINNESOTA.

CARRIER FOR TARGET-TRAPS.

SPECIFICATION forming part of Letters Patent No. 766,997, dated August 9, 1904.

Application filed November 11, 1903. Serial No. 180,775. (No model.)

To all whom it may concern:

Be it known that I, GEORGE D. HORST, a citizen of the United States, residing at Jackson, in the county of Jackson and State of Minnesota, have invented a new and useful Carrier for Target-Traps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to improvements in carriers for target-traps; and it has for its object to provide an exceedingly simple and inexpensive device of this character of great strength and durability adapted to be readily applied to target-traps of the ordinary construction and capable of enabling a target to be quickly placed in it without liability of breaking the target, whereby time, money, and labor are saved.

The invention consists in the novel construction and arrangement of parts hereinafter described and shown.

In the drawings forming part of this specification, and in which like numerals of reference designate corresponding parts, Figure 1 is a perspective view of a target-carrier constructed in accordance with this invention. Fig. 2 is a reverse plan view. Fig. 3 is a transverse sectional view illustrating the manner of holding a target. Fig. 4 is a detail view of the wedge-shaped friction or cushion block.

Referring to the drawings, 1 and 2 designate a pair of arms pivoted together at 3 at the inner end of arm 1, and these arms are provided with divergent inner portions forming a fork and have approximately parallel outer portions provided with jaws 4 and 5, between which a target 4^a is placed. The arm 2 is provided at its inner end with a shank 6, which is attached to the trap, (not shown,) and the said arm 2 is also provided at its outer end with an extension 7 for steadying the target. The arm is provided at its lower face with plates 8 and 8^a, forming stops against which the arm 1 is held by a coiled spring, and the said stops, which limit the inward movement of the arm, are adapted to relieve the target of the pressure caused by the spring, whereby the target is effectively prevented from being broken while placing it in the carrier. The plates 8 and 8^a are located at the opposite side of the arm 1 and are riveted or otherwise secured to the arm 2 and the shank 6 thereof, as clearly illustrated in Fig. 2 of the drawings.

The target is loosely placed upon the carrier between the jaws 4 and 5, which are provided with inwardly-extending overhanging flanges 9 and 10 to form guides for the opposite rim portions of the target. The jaw 4 is tapering or wedge-shaped, being provided with an interiorly-arranged wedge-shaped piece 11 of elastic material, such as rubber, to enable the target to snugly fit between the jaws and to cause a yieldable gripping action of the target when the trap is sprung, whereby the carrier is enabled to effectively throw the target without the liability of breaking the same. The wedge-shaped piece 11 is cut away at the lower portion to enable the upper portion to grip the target at the solid part or heavier portion thereof, thereby lessening the liability of breaking a target. The wedge-shaped piece also acts as a friction device for retarding the adjacent side of the target, which is circular and which when sprung out of the trap will be caused to revolve.

The arm 1 is provided at its outer end with an inwardly-extending lateral enlargement 12 to provide a support for the target. The rubber block is secured to the jaw 4 by a pin or rivet.

The spring 17 is connected at one end with a swivel 14 and at the other end with an adjusting-screw 15. The swivel consists of an eye provided with a shank which is arranged in a perforation of an ear or lug 18, formed integral with the arm 1 at the inner side thereof and projecting from the rear face of the same. The shank of the swivel has a head for engaging the ear or lug, and it permits the spring to be readily rotated without twisting it. The screw passes through an ear or lug 16 and is engaged by a nut 17^a, arranged at the outer face of the ear and adapted to be rotated for moving the screw inward and outward.

It will be seen that the carrier is exceed-

ingly simple and inexpensive in construction, that it is adapted to be applied to any ordinary target-trap, and that it will enable targets to be placed rapidly in it without liability of breaking them.

What I claim is—

1. In a device of the class described, the combination of the pivoted yieldably-connected arms provided with jaws for engaging a target, and a tapered elastic block fixed to one of the jaws to present an angularly-disposed face to the target whereby said target will be rotated when thrown from the device, substantially as described.

2. In a device of the class described, the combination of a pair of pivoted arms provided at their outer portions with jaws having inwardly-extending overhanging flanges, one of the jaws being provided at its outer end with a longitudinal extension and the other jaw being provided with means for retarding the adjacent side of the target, whereby the same will be rotated when thrown out of the device, substantially as described.

3. In a device of the class described, the combination of a pair of pivoted arms provided with opposite jaws having inwardly-extending flanges, one of the flanges being tapered and a tapered elastic block arranged beneath the tapering flange and cut away at the bottom to provide an engaging upper portion, substantially as described.

In testimony whereof I have hereto affixed my signature in the presence of two witnesses.

GEORGE D. HORST.

Witnesses:

P. C. NELSON,

A. ABLAN.