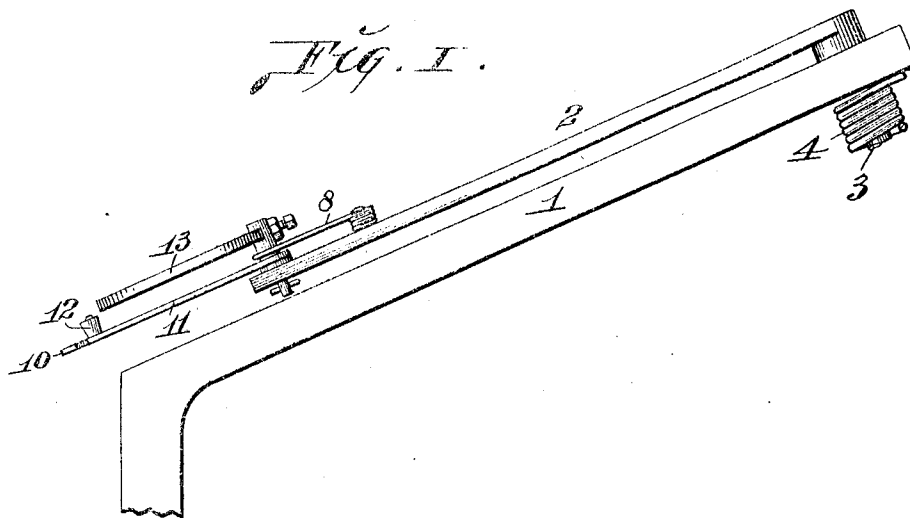
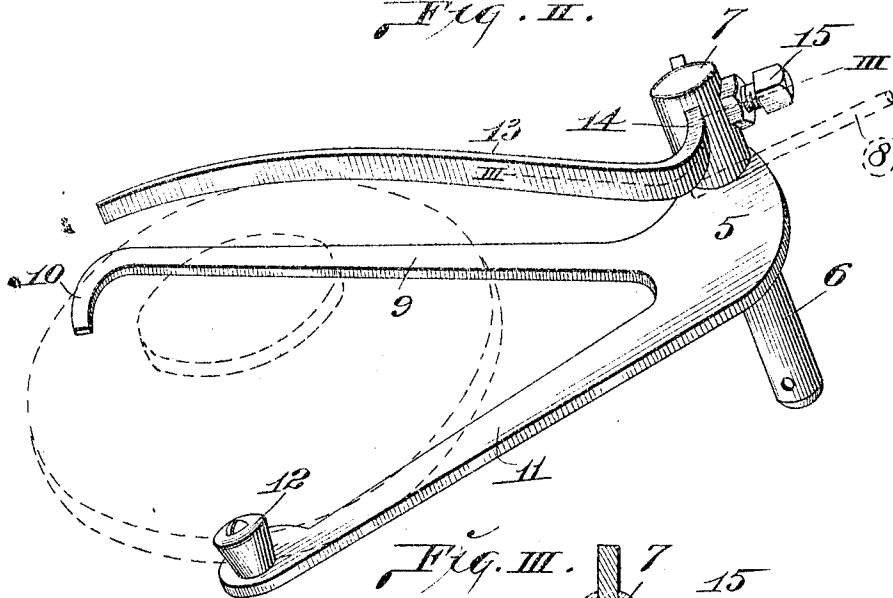


J. P. LEGGETT.  
CARRIER FOR TARGET TRAPS.  
APPLICATION FILED APR. 25, 1903.

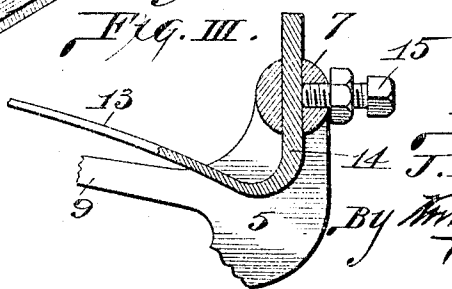
*Fig. I.*



*Fig. II.*



*Fig. III.*



attest:—  
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attys.

# UNITED STATES PATENT OFFICE.

JOSEPH P. LEGGETT, OF CARTHAGE, MISSOURI, ASSIGNOR TO THE CHAMBERLIN CARTRIDGE & TARGET COMPANY OF CLEVELAND, OHIO.

## CARRIER FOR TARGET-TRAPS.

No. 852,123.

Specification of Letters Patent.

Patented April 30, 1907.

Application filed April 25, 1903. Serial No. 154,212.

*To all whom it may concern.*

Be it known that I, JOSEPH P. LEGGETT, a citizen of the United States, residing in Carthage, in the county of Jasper and State of Missouri, have invented certain new and useful Improvements in Carriers for Target-Traps, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a target trap carrier for the reception of targets to be thrown by the operation of the trap.

The invention has for its object the production of a carrier into which the targets may be rapidly fed from the rear of the carrier onto the arms thereof without the necessity of a spreading action such as has heretofore been necessary in target trap carriers and has resulted in the breakage of many targets during the use of a trap by reason of the necessity of spreading the spring controlled supporting arms and permitting them to assume their normal condition for the purpose of holding the target.

My invention consists in features of novelty hereinafter fully described and pointed out in the claims.

Figure I is a side elevation of a target trap frame arm and throw arm pivoted thereto, and my carrier applied to said throw arm. Fig. II is an enlarged perspective view of the carrier. Fig. III is a section taken on line III—III, Fig. II, through the pivot stem head of the carrier and the inner end of the yielding arm connected thereto.

1 designates the frame of a target trap which may be of any ordinary construction. 2 is the throwing arm which is pivoted by means of a stem 3 to said frame; and 4 represents a spring which may be of ordinary construction and arranged, in the well known manner, for actuating said throwing arm.

The carrier includes a base which, as shown, consists of two arms 9 and 11, which converge and merge together to form the head 5. The base is formed of these two arms, because by cutting out the intervening metal the base will be very much lighter. A cylindrical pivoting stud 6 is rigidly secured to and projects downward from the inner end or head 5 of the carrier base. This stud furnishes the means by which the carrier may be pivoted to the outer end of the throwing

arm. A spring 8 may be secured to the throwing arm, and have a free end engaging with the carrier for the purpose of maintaining it normally in substantial alinement with the throwing arm.

Preferably, the rear arm 9 of the carrier is provided with a curved point 10. A post 12, which is preferably covered with rubber, is fixed to the outer end of the other arm 11 of the carrier base. The top surface of the two arms 9 and 11 are in the same plane, so that the lower edge of the target flange may rest squarely upon them.

13 indicates a yielding arm, made of spring metal, which is provided at its rear end with the neck 14 extending at approximately right angles to the body, as seen in Fig. II. This neck 14 passes through a slot in the spring support 7 which is rigidly fixed to the head 5 and extends upward therefrom. The neck 14 is adjustably held in said slot by a set screw 15 which screws through said support against said neck.

The arm 13 is made of spring metal. It is so wide from top to bottom that it is substantially unyielding; but it is thin enough, measured in the other direction, to be capable of yielding under the strain of use, so as to permit the release of the target. It is caused to so yield by the pressure against it of the target,—said pressure being due to the centrifugal force generated by the rapid movement of the throwing arm 2. The arm 13, or rather its lower edge is in a plane which is a short distance above the plane of the top surface of the base. It is so placed in order that it may not engage with the same vertical flange of the target with which the post 12 engages, but may extend over the top of said flange and engage with an annular shoulder of slightly smaller diameter than the diameter of said flange. The shape of the target above referred to for which this device is especially adapted, is very familiar to those acquainted with this art, and therefore needs no further description. The arm 13 by so extending over the top of the target flange will hold the target down upon the plane top surface of the base until it is released. This arm 13 is curved when viewed from the top, and presents its concave face for engagement with the target. The outer end of the arm will curve slightly in front of the target; wherefore the target will not be

suddenly released, but on the contrary be compelled to gradually bend said spring arm backward after it begins its outer movement. The inner face of the spring arm 13,—that is to say that face which engages with the target, is at right angles to the top surface of the target base, and this construction helps to maintain the target in proper position.

I claim as my invention:

10 1. A carrier for target traps consisting of a target-supporting base having, near its inner end, means wherewith it may be pivotally connected with the throwing arm of the target trap, and having also near said inner end  
15 an upwardly extending spring-support, and having, near its outer end, an upwardly extending fixed post, combined with a target restraining arm which is rigidly fastened at its inner end to said spring support and extends therefrom toward the front end of said  
20 base at a short distance above the top surface thereof, said arm being made of a thin strip of spring metal which, under the strain of use, will yield in a direction parallel with  
25 the top of said base and only in that direction, substantially as specified.

2. A carrier for target traps consisting of a target-supporting base having, near its inner end, means wherewith it may be pivotally  
30 connected with the throwing arm of the target trap, and having also, near said inner end, an upwardly extended spring support, and having near its outer end an upwardly extending fixed post, combined with a target  
35 restraining arm which is rigidly fastened at its inner end to said spring support and extends therefrom toward the front end of said base at a short distance above the top sur-

face thereof, said arm being made of a thin strip of spring metal which, under the strain 40 of use, will yield in a direction parallel with the top of said base and only in that direction, the inner face of said spring arm being in planes at right angles to the top surface of said base, substantially as specified. 45

3. A carrier for target-traps consisting of a target-supporting base having near its inner end means wherewith it may be pivotally connected with the throwing arm of the target trap, and having also near said inner end 50 an upwardly extended spring support, and having near its outer end an upwardly extending fixed post, combined with a target restraining arm which is rigidly fastened at its inner end to said spring support and extends therefrom toward the front end of said base at a short distance above the top surface thereof, said arm being made of a thin strip of spring metal which, under the strain 60 of use, will yield in a direction parallel with the top of said base and only in that direction, said arm being curved so as to present a concave face for engagement with the target, substantially as specified.

4. A carrier for target traps comprising a 65 base plate, a fixed post secured to said base plate, a yielding arm extending over said base plate and substantially parallel thereto and having a free outer end, and means for adjustably securing the inner end of said 70 yielding arm to the inner end of said carrier, substantially as set forth.

JOSEPH P. LEGGETT.

In presence of—

E. S. KNIGHT,

NELLIE V. ALEXANDER.