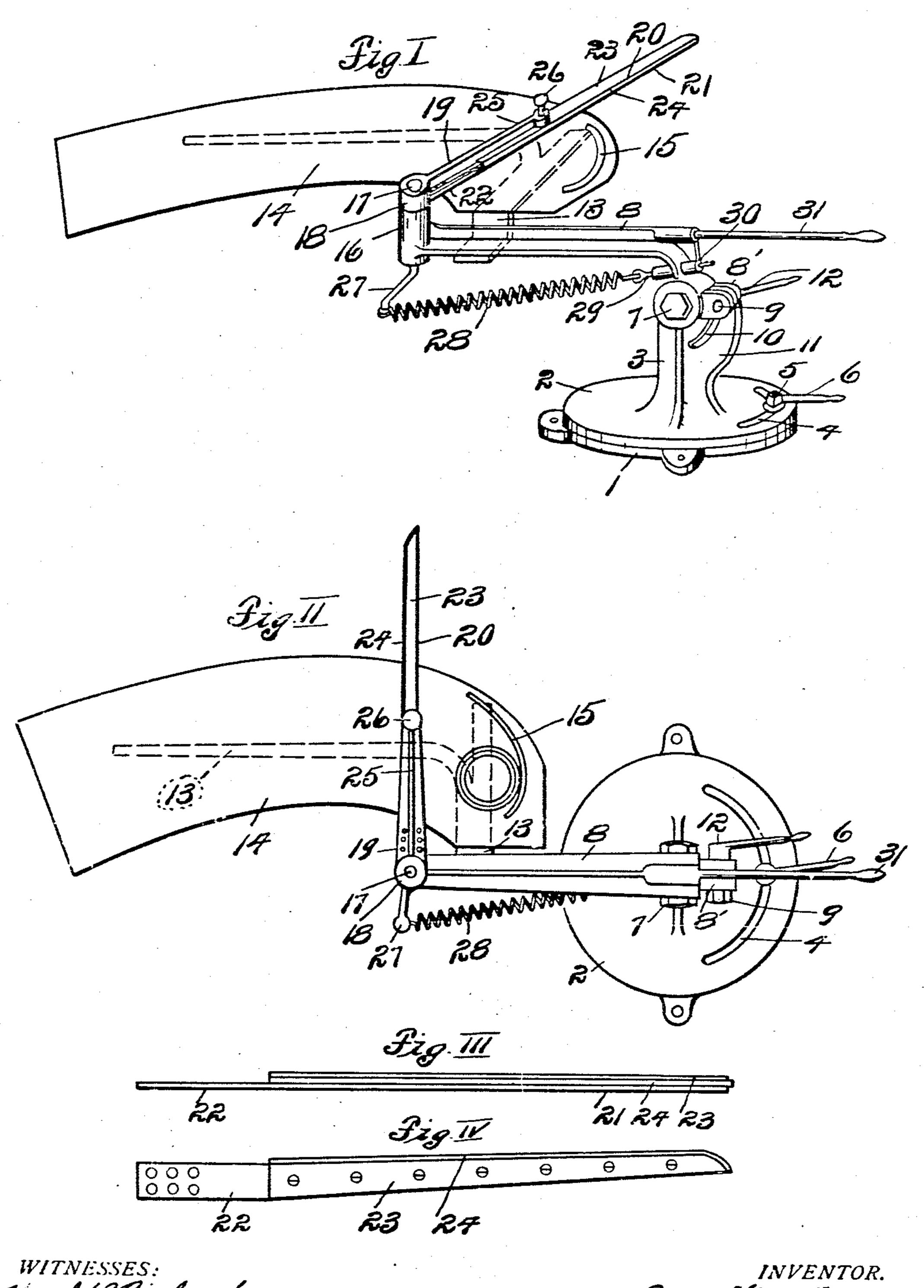
## G. NICOLAI. TARGET TRAP.

APPLICATION FILED AUG. 24, 1907.



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## UNITED STATES PATENT OFFICE.

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## TARGET-TRAP.

No. 880,394.

Specification of Letters Patent.

Patented Feb. 25, 1908.

Application filed August 24, 1907. Serial No. 390,041.

To all whom it may concern:

Be it known that I, George Nicolai, a citizen of the United States, residing at Denver, in the city and county of Denver and 5 State of Colorado, have invented certain new and useful Improvements in Target-Traps: and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to 10 which it appertains to make and use the same, | reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

15 My invention relates to target traps, and more particularly to traps for throwing clay targets: the object of my invention being to provide a device of that class which is simple and economical both in construction and 20 operation. In accomplishing this object I have eliminated the customary carrier in which the target is usually gripped during Rigidly secured to bracket 19 is the target the discharging swing of the carrier arm, throwing arm 20, which is preferably formed and have provided a platform upon which of a bottom strip 21, of metal, having a pro-25 the target may rest, and a throwing arm | jecting portion 22 secured to bracket 19, a 80 adapted for sweeping the target along, and top strip 23, of metal, and an intermediate

details of structure which will presently be the arm body, and is adapted for engage-30 fully described and pointed out in the claims, ment with the target. Bracket 19 is pro- 85 reference being had to the accompanying vided with a finger 25, which projects over drawings, in which like reference numerals | the arm body, and carries a set screw 26, by refer to like parts throughout the several | which said arm is adjusted vertically to seviews, and in which:-

Figure I is a perspective view of a target | Shaft 17 projects below the bearing 16, 90 trap constructed according to my invention. and is there provided with a crank 27, which Fig. II is a top plan view of same. Fig. III; projects from the shaft in a direction oppois an enlarged edge view of the target throw-| site to that or the throwing arm, and on the ing arm. Fig. IV is an enlarged top plan | end of said crank is mounted one end of the 40 view of same.

designates the trap base, which may be frame 8; said bolt having a nut 30 by which secured to a suitable foundation. Revolubly it is moved forwardly or back, to secure a mounted on base 1 is the base flange 2 of the ! proper tension of the spring. 45 frame standard 3, said flange having an 1. 31 designates a handle on frame 8, by 100 threaded at its upper end and carries a hand | angle or elevation. but 6 by means of which the flange 2 may be but locked in a desired position on base 1.

Pivoted to standard 3 by means of a bolt 7 is a frame 8, which is provided near its base with a yoke 8', the arms of which are perfo- | rail 15. As arm 20 is drawn back, the crank rated to receive a bolt 9, which extends there- | 27 is moved forwardly, tensioning spring 28.

flange 11 on standard 3; said bolt being preferably rigid with said arms, and having a loose fit in aid slot, in order that it may travel freely in the slot when it is desired to tilt the frame to vary the elevation of the 60 target. Bolt 9 is threaded at one end and carries a hand nut 12, which may be tightened against the yoke and draw the yoke arms against flange 11 to lock said parts together. Supported on a bracket 13, carried by frame 65 8 is a platform 14, which projects forwardly from the side of said frame, and on which the target is seated, and over which the target travels when being discharged.

15 designates a guide rail, against which 70 the target is placed when seated on plat-

form 14.

At the free end of frame 8 is a shaft bearing 16, and revolubly mounted in said bearing is a shaft 17, upon which is keyed a collar 75 18 of a laterally projecting bracket 19. discharging same from said platform. strip 24, of leather or like material, which A further object is to provide the improved strip 24 projects slightly from the edge of cure a proper target engagement.

coil spring 28; the other end of said spring 95 Referring more in detail to the parts: -1; being secured to a bolt 29 which is carried by

arcuate slot 4 through which a stud 5, rigidly means of which the frame may be convenmounted on base 1. projects. Stud 5 is iently moved, when it is desired to vary its

When in use, the frame is set at a desired angle by means of the bolt and slot arrange- 105 ment previously described, and the throw arm 20 drawn back behind the platform through, and through an arcuste slot 10 in a .! When the arm is in the position noted, a tar- 110

get is placed on the platform, against rail 15, ! engagement with the target during the arm and the throw arm eased forward into en- revolution, and means for actuating said gagement therewith. Upon receiving a sig-! throw arm. nal from the shooter, the trap operator re- 4. A target trap comprising a platform 5 leases the throw arm, which is then rapidly adapted for supporting a target in initial revolved by the retraction of spring 28, and inert position and during a portion of the in its revolution sweeps the target forwardly target flight, a throw arm having a revoover the platform, and discharges it there- lubly mounted base and adapted for en- 50 from. By providing the throw arm with a gagement with said target near the arm base 10 target engaging portion of leather or like when the target is in its inert position, and material, there is a tendency of the target to, for longitudinally progressive engagement hold thereagainst, instead of sliding along with said target during the initial portion of the edge of the arm, which causes a revolu- the target flight, a friction inducing member 55 tion of the target as it is swept outwardly, 15 until, at the moment of leaving the platform, it is revolving very rapidly. which action imparts a steady and even flight to the target.

Having thus described my invention, what 20 I claim as new therein and desire to secure by Letters Patent is;—

1. A target trap comprising a pla'form adapted for the support of a target prior to and during the initial portion of the target 20 flight, a revoluble arm adapted for engagement with a target near the arm base prior to discharge and for moving such target out-

wardly on said platform and along the arm during the discharge, and means for actuat-30 ing said arm.

said platform and forming the rear abut- of relatively yielding material adapted for en- 75 ment of a forwardly unobstructed target gagement with a target seated on said plat-35 seat, a revoluble throw arm extending across form, and means for actuating said throw and beyond said seat, and means for actuat- arm. ing said throw arm.

3. A target trap comprising a target sup- in presence of two witnesses. porting platform, a throw arm revolubly 40 mounted at one end and adapted for initial engagement with a target near the arm mounting and for longitudinally progressing [

on said arm, and means for actuating said arm, substantially as and for the purpose set forth.

5. In a target trap, the combination with target supporting means of a target throw- 60 ing arm comprising top and bottom body portions and an intermediate portion of a relatively yielding material, said intermediate portion being extended beyond the top and bottom portions at the target engaging 65 edge, for the purpose set forth.

6. In a target trap, the combination with a suitable frame, of a target supporting platform carried by said frame, a throwing arm revolubly mounted on said frame and adapt- 70 ed for movement over said platform in a plane substantially parallel with said plat-2. A target trap comprising a platform, a | form, said arm comprising top and bottom curved flange projecting from the face of body portions and an intermediate portion

In testimony whereof I allix my signature GEORGE NICOLAI.

Witnesses:

H. A. CALVERT, HAZEL REID SACKETT.