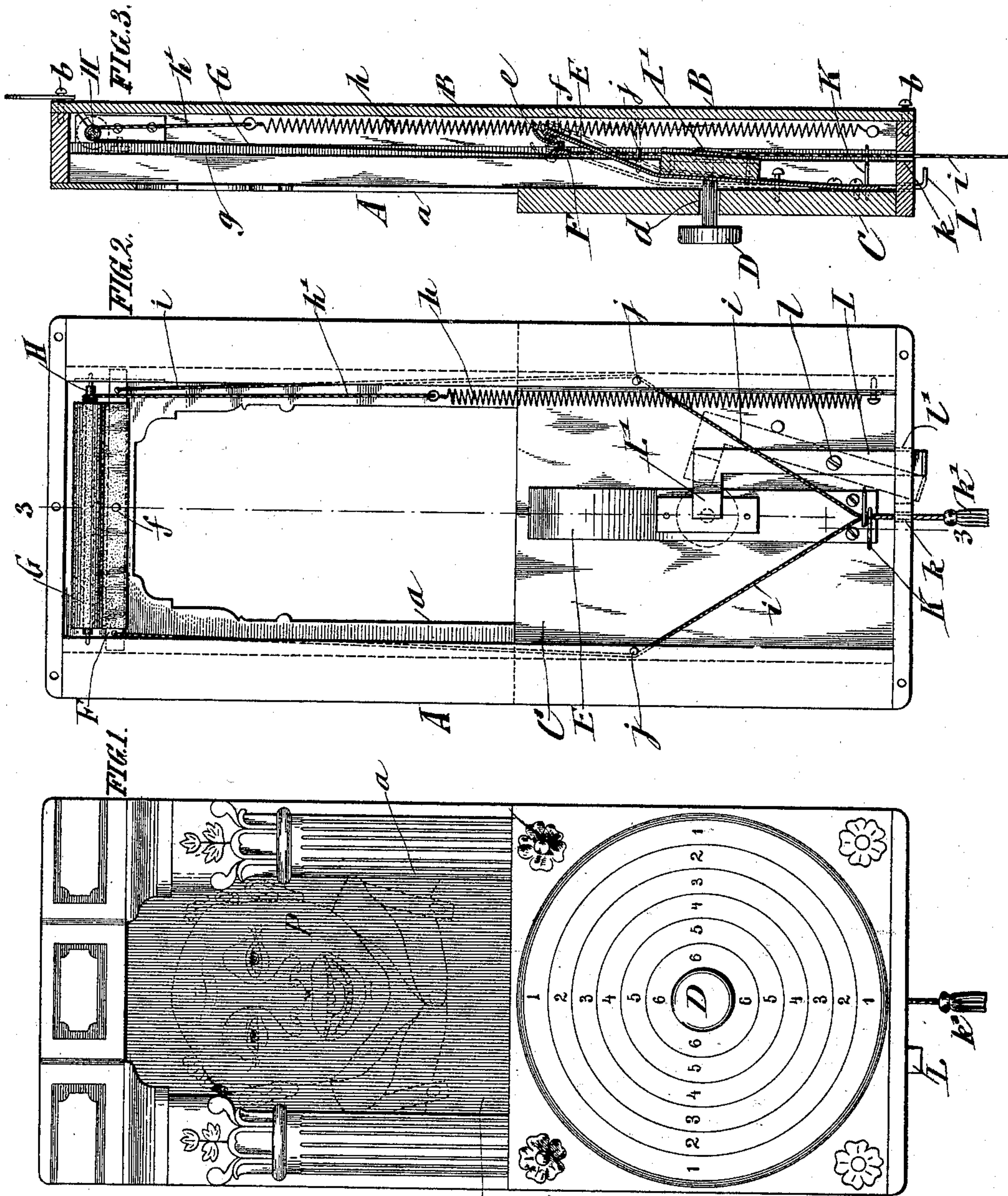


(No Model.)

W. F. HOCHSPEIER.
TARGET.

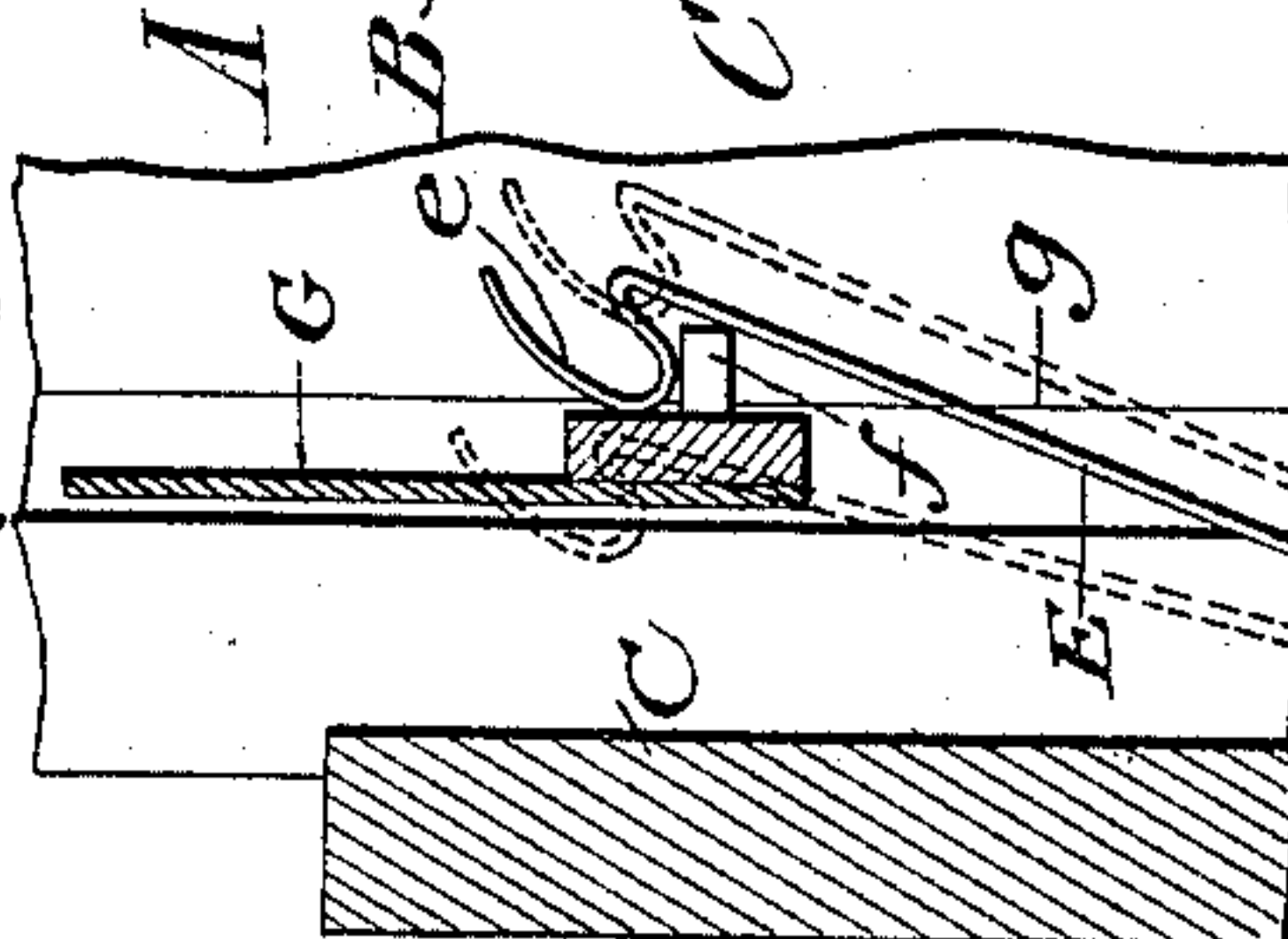
No. 605,314.

Patented June 7, 1898.



WITNESSES:
Runo von Bültzinglöwen
Geo. S. Wheelock

Fig. 4.



INVENTOR

William F. Hochspeier
BY *Frank Macgiver*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM F. HOCHSPEIER, OF JERSEY CITY, NEW JERSEY, ASSIGNOR TO
FREDERICK MENZENHAUER, OF SAME PLACE, AND OSCAR SCHMIDT, OF
NEW YORK, N. Y.

TARGET.

SPECIFICATION forming part of Letters Patent No. 605,314, dated June 7, 1898.

Application filed September 9, 1897. Serial No. 651,013. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM F. HOCHSPEIER, a citizen of the United States, residing at Jersey City, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Toy Targets, of which the following is a specification.

This invention relates to toy targets; and the object of the invention is to provide a target which shall be interesting to both children and adults, the invention being to this end adapted and constructed in such a manner that it can be used with putty-blowers or light darts by children, or it can be used with rifles by grown-up people.

The device is comparatively inexpensive and is both durable and efficient for the purpose intended.

The invention consists of a toy target which comprises a casing having a front opening, a face plate adjacent to said opening, said face plate being provided with a movable bull's-eye, a curtain adapted to cover said opening, means for actuating said curtain, and a spring provided with means for engaging the curtain and holding the same so as to close the opening, said spring being connected with said bull's-eye, as will be hereinafter described and then particularly claimed.

In the accompanying drawings, Figure 1 is a front elevation of my toy target, showing the curtain raised. Fig. 2 is a rear view with the back plate removed. Fig. 3 is a vertical transverse section on line 3 3, Fig. 2; and Fig. 4 is an enlarged detail view showing more clearly the construction and coöperation of the pin on the curtain or shield and the catch or hook on the bull's-eye spring.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents the box or case of my improved toy target, which is provided with a removable back plate B, secured thereto by means of screws or other suitable fastenings *b*. Arranged upon the front of the lower part of the case or box A is a face plate C of suitable shape, while above the face plate C the box is constructed with a front opening *a*. The front of the box, as well as the face plate C, may be decorated

or ornamented in any suitable manner. The face plate C is printed or provided with a number of concentric rings and corresponding numbers in the usual manner with targets.

At the center of the rings the face plate is provided with a hole *d*, in which is guided the stem of a button or knob D, which forms the "bull's-eye," the inner end of said stem being suitably attached to a spring-plate E, so that the bull's-eye is held normally in its forward position, the spring assuming the position shown in dotted lines in Fig. 3. The lower end of the spring E is attached in a suitable manner to the face plate C, while its upper end is provided with a nose or catch *e*, which is adapted to engage with a pin *f* on the transverse stick F of a vertically-movable curtain G, the ends of said stick being guided in longitudinal grooves *g* in the inner sides of the side walls of the box or case A. The curtain G may be decorated or colored in any suitable manner. The upper end of the curtain is attached to a shaft or roller H, the ends of which are journaled in the side walls of the box or case, said shaft being spring-actuated.

h is the actuating-spring, which is attached at its lower end to the box or case, while at its upper end it is attached to the winding-up cord *h'*, which at its upper end is connected with the shaft or roller H.

Attached to the curtain-stick for the purpose of drawing the curtain down over the opening is a pull device consisting of strings or cords *i*, which are guided over pins or projections *j*, attached to the sides of the box, while the lower ends of said strings or cords *i* are brought together and led through a guide-eye K, arranged above a bottom perforation *k* in the lower end of the box or case, below which the strings are attached to a tassel or other suitable pull *k'*.

A spring-lever L is pivoted at *l* inside the box, adjacent to and forming an auxiliary spring to the main bull's-eye spring, the lower end of said lever projecting through a slot *l'* in the lower end of the box or case, while the upper end of the lever is provided with a lip or projection L', which, by means of the projecting lower end of said lever, is adapted to

be moved over into engagement with the rear side of the spring E, as shown in full lines in Fig. 2, or it may be moved into the position shown in dotted lines in said figure. This auxiliary spring L forms a sort of tension device for changing the tension of the bull's-eye spring E.

The target is operated as follows: The curtain is drawn down by means of the pull device until the pin or projection *f* on the curtain-stick engages with the catch *e* on the bull's-eye spring E, pressing the latter from the position shown in dotted lines at the left of Fig. 3 into the position shown in full lines. By thus pulling down the curtain the picture or other image or object P, which is painted or printed or arranged in the box or case, preferably upon the back plate B, is hid from view. The marksman now causes the projectile, according to the instrument or means used, to be projected at a suitable distance from the target toward the bull's-eye, hitting the bull's-eye, if possible. When the bull's-eye is hit by the projectile, the spring E is pressed back into the position shown in dotted lines at the right of Fig. 3, so that the catch or nose *e* is disengaged from the pin, releasing the catch or nose from the curtain and permitting the actuating-spring *h* to raise the curtain and roll the same around the roller or shaft H, thereby disclosing to view the object P which is to be shown. When a light spring action of the bull's-eye D is desired, as when a child is blowing putty or peas against the bull's-eye, the auxiliary spring L is moved into the position shown in dotted lines in Fig. 2, thereby permitting the bull's-eye spring E to normally act—that is to say, it acts without additional spring action imparted by the spring L. When, however, greater tension is desired on the spring E, the spring-lever L is moved into the position shown in full lines in said Fig. 2, so as to engage with the spring E. This position is desirable when an adult, for instance, is shooting with a rifle toward the bull's-eye or when an air-gun with darts is used.

By reason of the tension device for the bull's-eye spring E the target is rendered acceptable to both children and adults, while the target is likewise interesting to both.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination, with a bull's-eye and a spring-plate fixed at one end, said bull's-eye being mounted between the ends of the spring, of a movable curtain or shield, means for connecting the free end of the spring with the curtain or shield, and means for actuating said curtain or shield when the connection between the bull's-eye and the curtain is broken, substantially as set forth.

2. The combination, with a movable bull's-

eye and a spring-plate fixed at one end and provided with a projecting nose or catch, said bull's-eye being fixed to the spring between the ends thereof, of a movable body provided with a pin, adapted to be engaged by said catch, and means for operating said movable body when the pin is released from said catch, substantially as set forth.

3. The combination, with a movable bull's-eye and a spring-plate carrying the same and provided with a nose or catch bent up from its free end, of a movable body or curtain provided with a projection adapted to be engaged by said nose or catch, and means for actuating the curtain when the nose or catch is disengaged from said projection, substantially as set forth.

4. The combination with a movable bull's-eye, and a spring for actuating the same, of a curtain, means for detachably connecting the curtain and the spring, a winding-up roller for the curtain, and means for operating said roller, substantially as set forth.

5. The combination with a movable bull's-eye, of a spring for actuating said bull's-eye, and means for changing the tension of said spring, substantially as set forth.

6. The combination with a movable bull's-eye, of a spring for actuating the same, and a second spring adapted to move into and out of engagement with the bull's-eye spring, substantially as set forth.

7. The combination with a box or case, having a front opening and an object behind said opening, a face plate adjacent to the opening, and a bull's-eye, the stem of which is guided in an opening in the face plate, of a movable curtain or shield adapted to cover said opening, means for connecting the bull's-eye with the curtain or shield, and means connected with the curtain or shield for actuating the same and uncovering the opening when the connection between the bull's-eye and the curtain is broken, substantially as set forth.

8. The combination with a box or case, provided with a front opening, a face plate adjacent to said front opening, a movable bull's-eye guided in the opening in the front plate, and an actuating-spring for said bull's-eye, said spring being provided with a nose or catch, of a movable curtain or shield arranged to cover said opening and adapted to be engaged by said nose or catch, and means for raising said curtain when the nose or catch is disengaged from the same, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

WILLIAM F. HOCHSPEIER.

Witnesses:

GEO. L. WHEELLOCK,
M. H. WURTZEL.