

(No Model.)

C. E. WILKINSON & G. O. WENDEL.
MARBLE SHOOTER.

No. 464,407.

Patented Dec. 1, 1891.

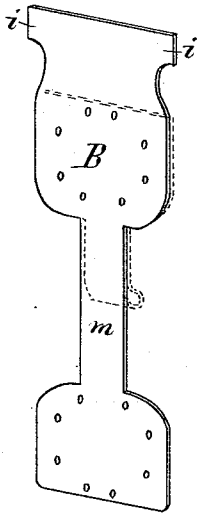


Fig. 7.

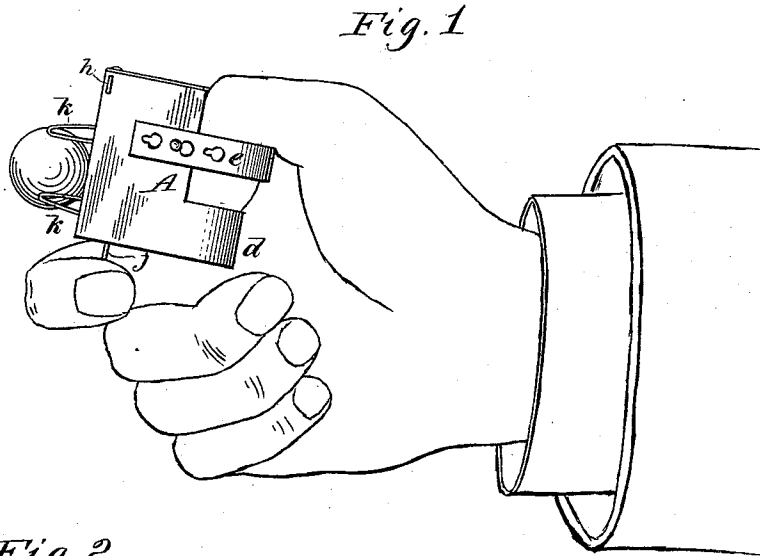


Fig. 1.

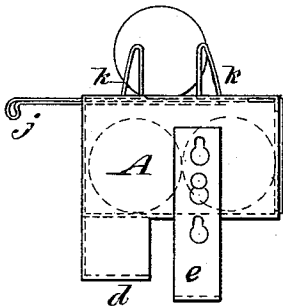


Fig. 2.

Fig. 3.

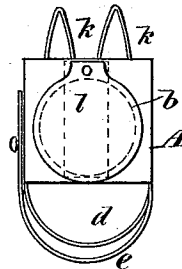


Fig. 4.

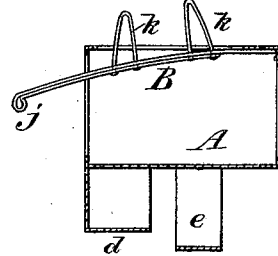


Fig. 5.

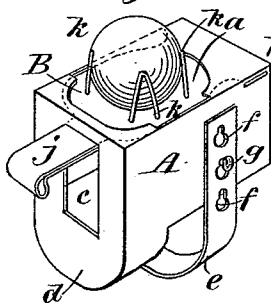
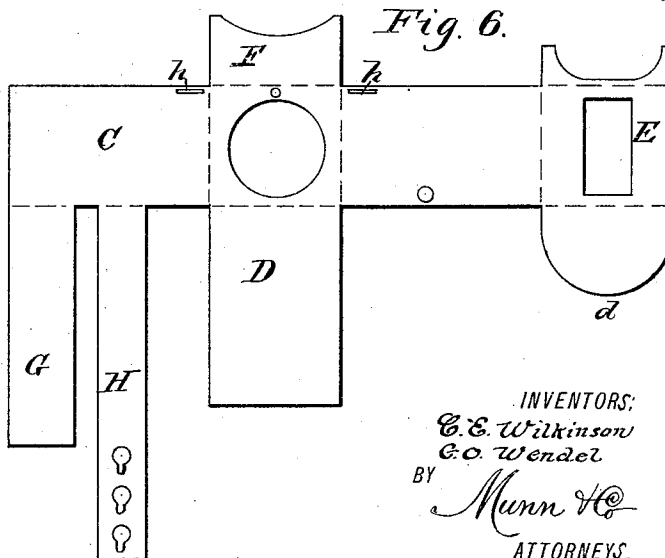


Fig. 6.



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UNITED STATES PATENT OFFICE.

CHARLES E. WILKINSON AND GUSTAV O. WENDEL, OF BROKEN BOW,
NEBRASKA.

MARBLE-SHOOTER.

SPECIFICATION forming part of Letters Patent No. 464,407, dated December 1, 1891.

Application filed April 22, 1891. Serial No. 389,958. (No model.)

To all whom it may concern:

Be it known that we, CHARLES E. WILKINSON and GUSTAV O. WENDEL, both of Broken Bow, in the county of Custer and State of Nebraska, have invented a new and Improved Marble-Shooter, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

10 Figure 1 is a perspective view of our improved marble-shooter. Fig. 2 is a side elevation of the same. Fig. 3 is an end elevation. Fig. 4 is a longitudinal section. Fig. 5 is a perspective view. Fig. 6 is a plan view of the sheet-metal blank from which the shooter is formed, and Fig. 7 is a perspective of the plate from which the marble-propelling spring is formed.

20 Similar letters of reference indicate corresponding parts in all the views.

The object of our invention is to provide a simple and efficient implement for projecting marbles in carrying on the various games played with marbles.

25 Our invention consists in a box provided with a marble-propelling spring furnished with a spring-clasp for holding a marble, and a strap and cup for receiving the end of the thumb.

30 The body A of the shooter consists of a rectangular metallic box having an approximately circular opening *a* in the front thereof, a circular opening *b* in one end, and an oblong opening *c* in the opposite end. The side of the box opposite that in which is the opening *a* is furnished with a semicircular cup *d* for receiving the end of the thumb, and a U-shaped metallic strap *e* for surrounding the ball of the thumb, the said strap *e* being made adjustable by means of the slot bolt-holes *f* in the strap, and a button *g*, projecting from the side of the box.

45 In the sides of the box, near the front thereof and near the end having the circular opening *b*, are formed slots *h* for receiving the lugs *i* of the marble-propelling spring B. The said spring is of sufficient width to cover the opening *a* in the front of the box A, and its free end is reduced in width and projects 50 through the opening *c* in the end of the box

and below the end of the box, forming a trigger *j* for operating the shooter.

In the propelling-spring B are inserted V-shaped spring-wire loops *k*, arranged around a circle and curved inwardly, the said loops 55 being adapted to hold between them the marble to be shot. The circular opening *b* is covered by a pivoted laterally-swinging cover *l*. The said opening is of sufficient size to permit of passing marbles into the box. 60

The body of the shooter is preferably made of a single piece of sheet metal, consisting of the main part C, having the lateral branch D, which forms the back of the box, the part E, which forms the end of the box, the bottom 65 of the semicircular cup *d*, and the lower portion of the front of the box, the part F, which forms the upper portion of the front of the box, the arm G, which forms the side of the semicircular cup, and the perforated arm H, 70 which forms the strap *e*.

The blank from which the spring is formed is shown in Fig. 7, the spring being made of spring sheet metal cut so as to form the lugs *i* and a narrow portion *m*, which, when the plate is looped or returned upon itself, forms the trigger *j*. 75

Although we prefer to make the shooter of sheet metal in the manner described, we may find it more economical and satisfactory to 80 construct the implement from metal by the process of casting. Therefore we do not limit or confine ourselves to the exact construction herein shown and described.

It is obvious that, if desired, a sight may be 85 taken across the casing to insure accuracy in shooting.

Having thus described our invention, we claim as new and desire to secure by Letters Patent— 90

1. A marble-shooter adapted to be affixed to the player's thumb, comprising a casing or body portion having thumb-receiver at its rear side, a vertically-extending spring secured at its upper end to the upper portion of the forward side of the casing, the lower end of said spring forming a finger-piece or trigger to retract the spring, and a marble-holder on the outer side of the spring, substantially as shown and described. 95 100

2. A marble-shooter adapted to be affixed to the player's thumb, and consisting in a body or casing having a thumb-socket and a thumb-strap on its rear side, a spring secured
5 at its upper end to the forward portion of the body and extending at its lower end below the casing or body to form a finger-piece or trigger for retracting the spring, and a series of
10 spring fingers or prongs on the front side of the spring to receive a marble, substantially as shown and described.

3. In a marble-shooter, the combination of

the body A, provided with the openings *a b c* and slots *h*, the spring B, furnished with the trigger *j*, the spring-loops *k*, projecting from
15 the spring B, the cup *d*, formed on the body A, and the adjustable strap *e*, substantially as described.

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Witnesses:

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