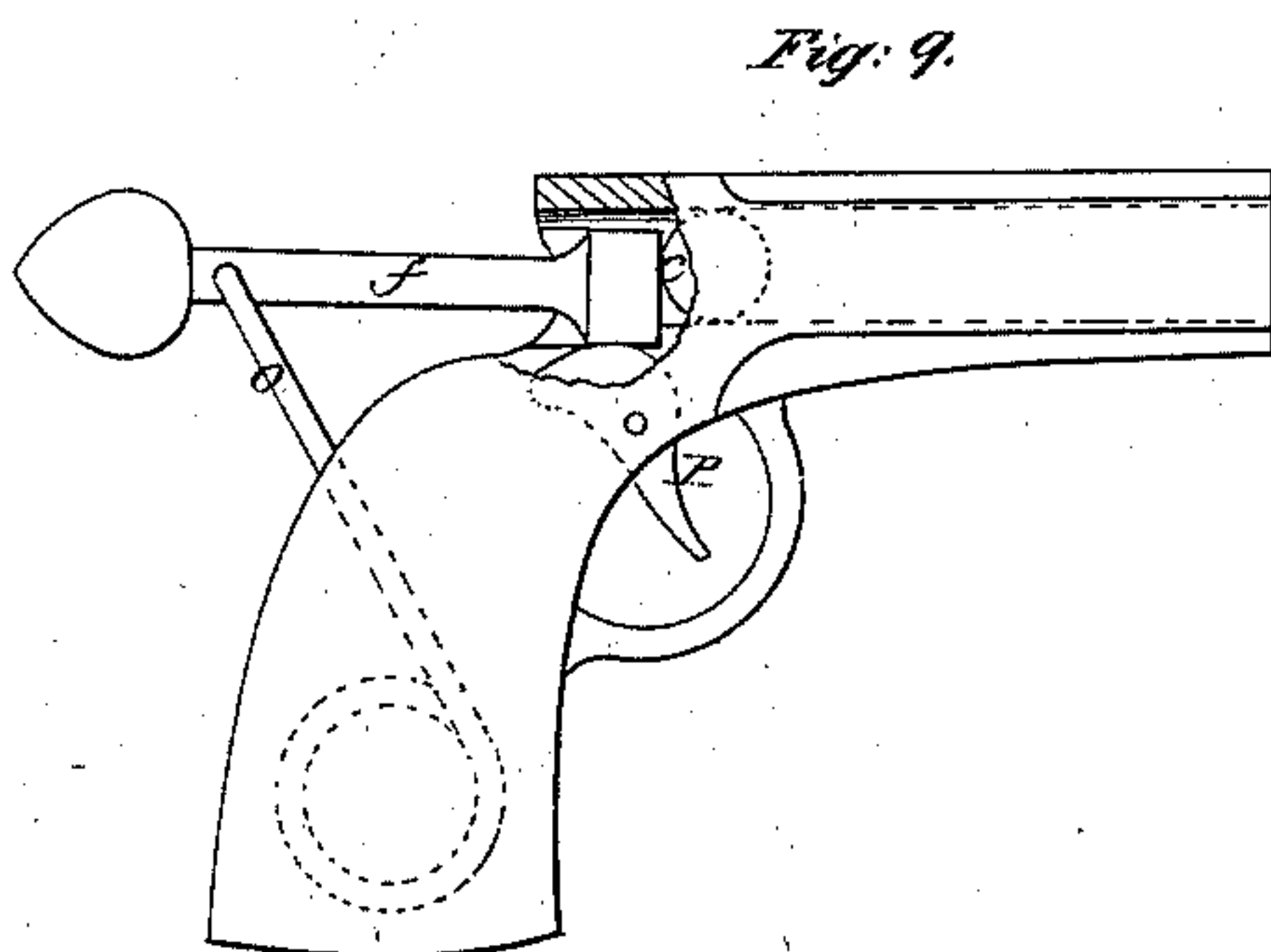
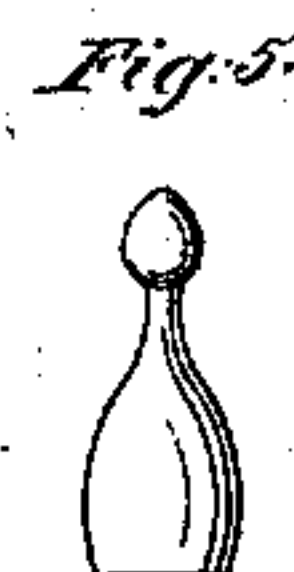
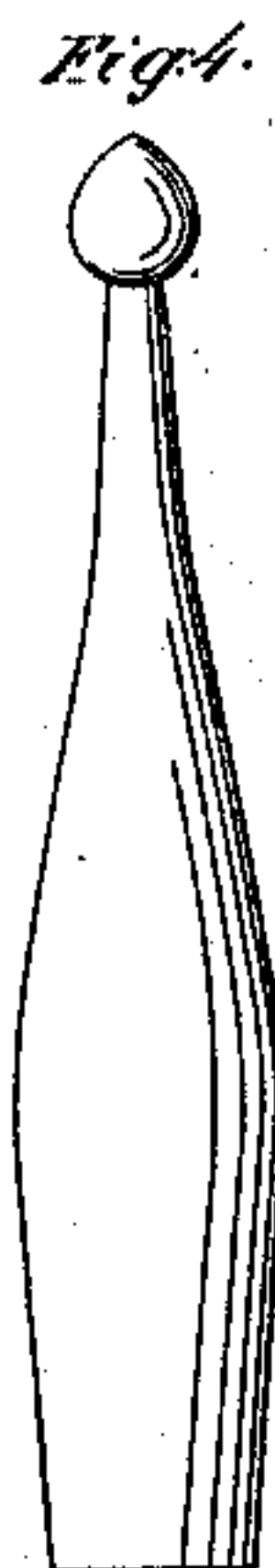
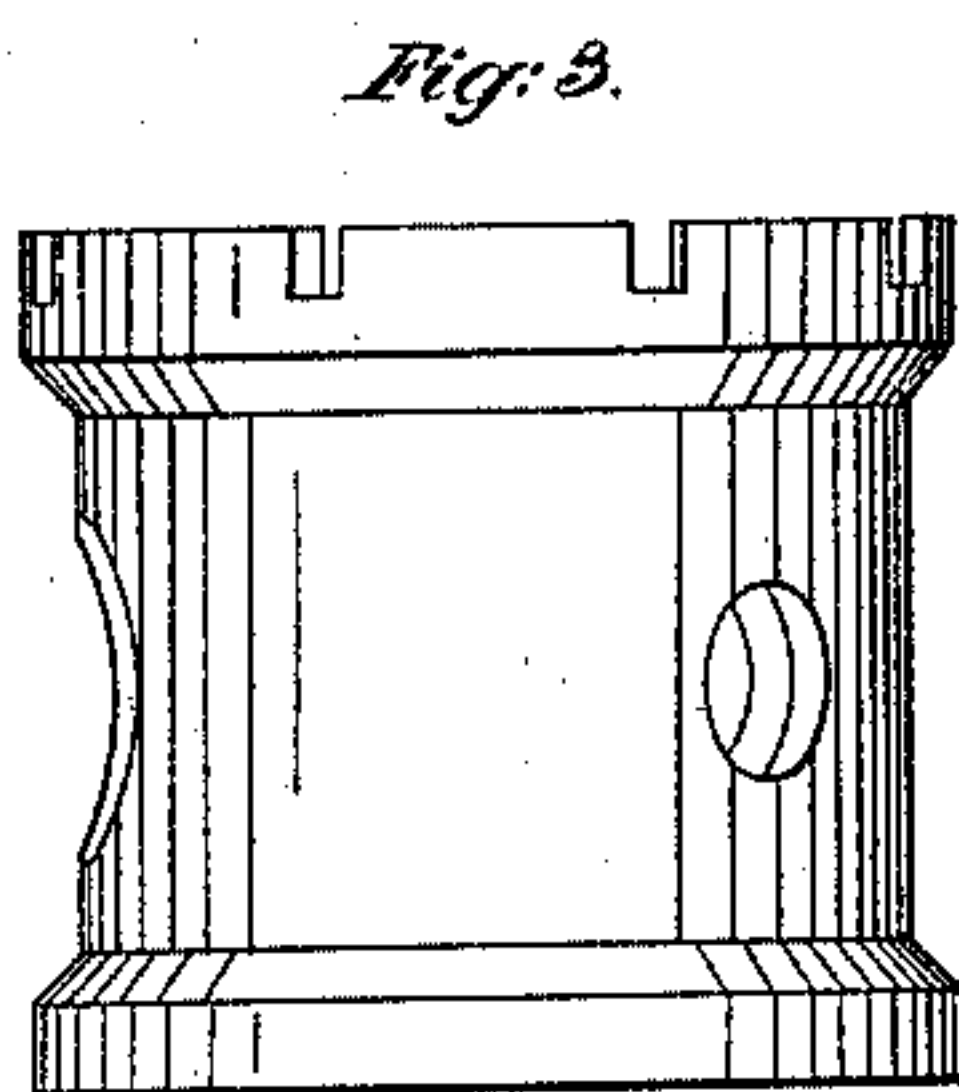
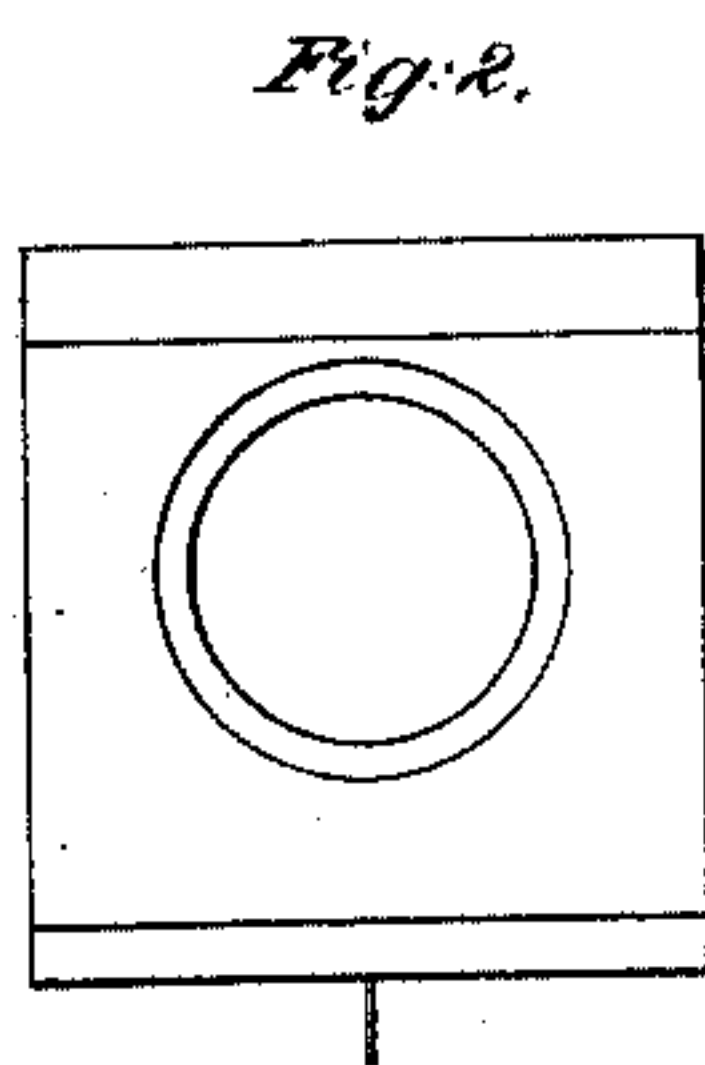
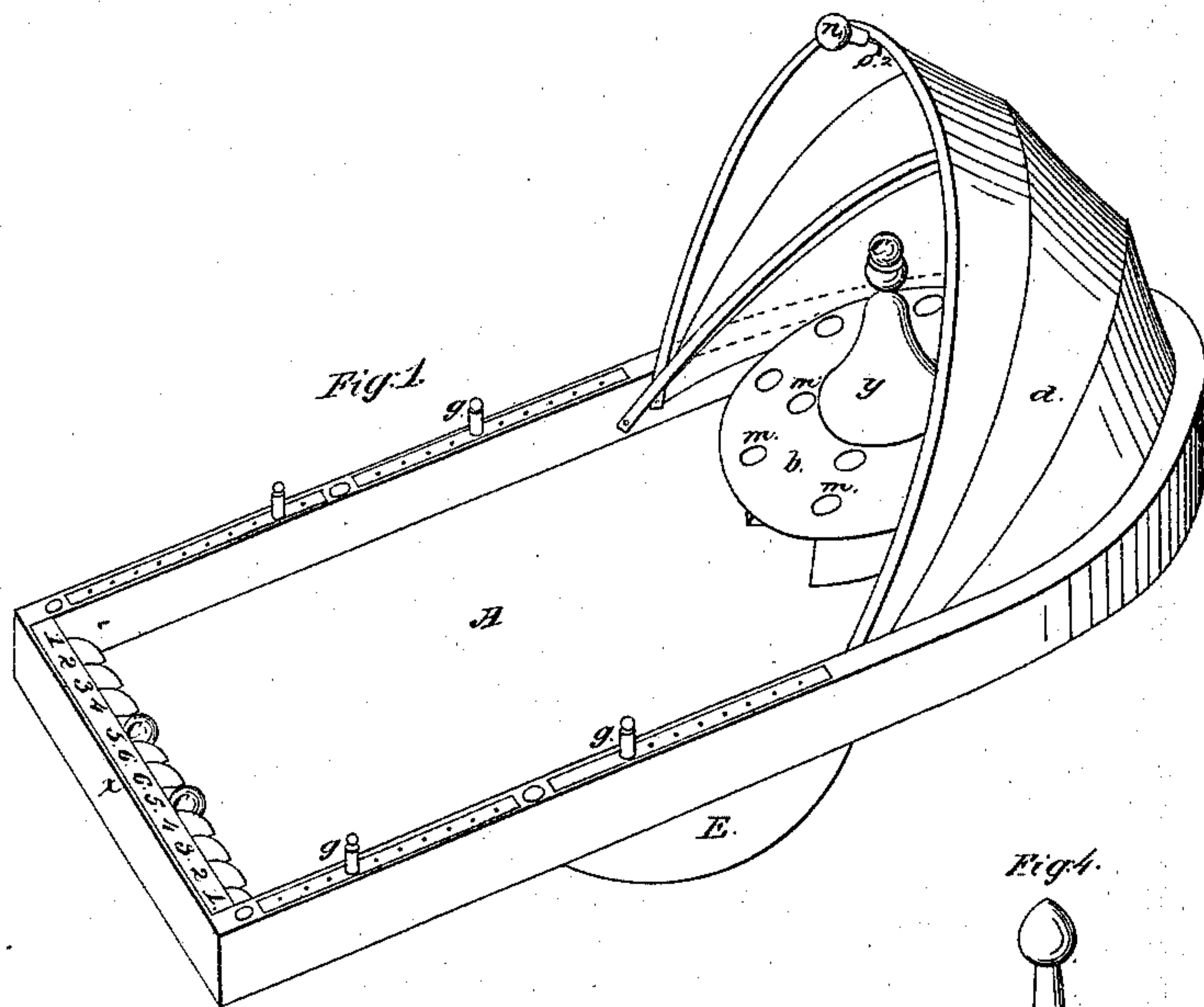


Snofford & Raffington,

Spring Gun,

Nº 61,960,

Patented Feb. 12, 1867.



Witnesses:

John Neyle
Henry C. Sergeant

Inventors:

Fisher Ames Snofford
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Spofford & Raffington,

Spring Gun,

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Patented Feb. 12, 1867.

Fig. 6.

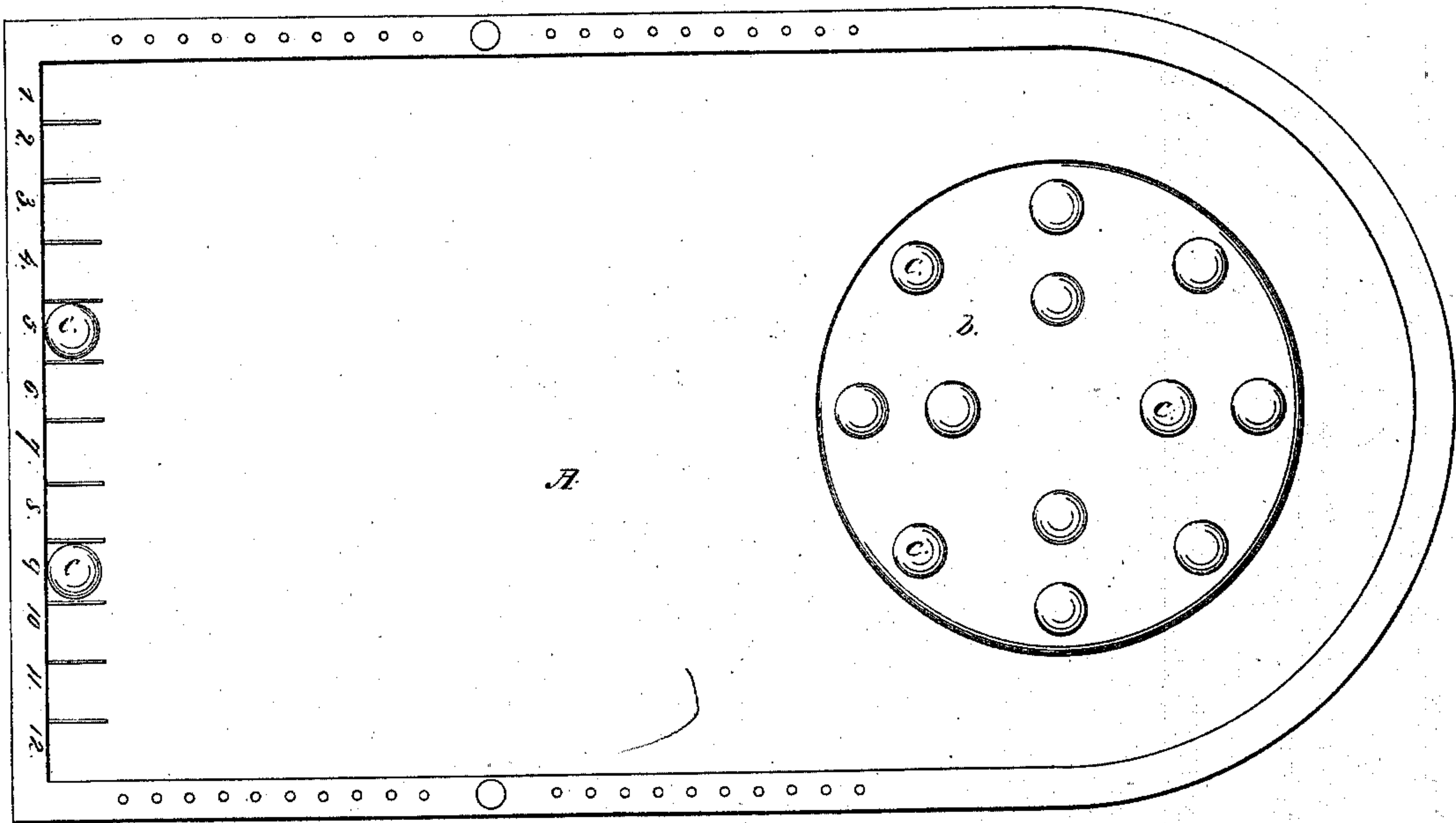


Fig. 7.

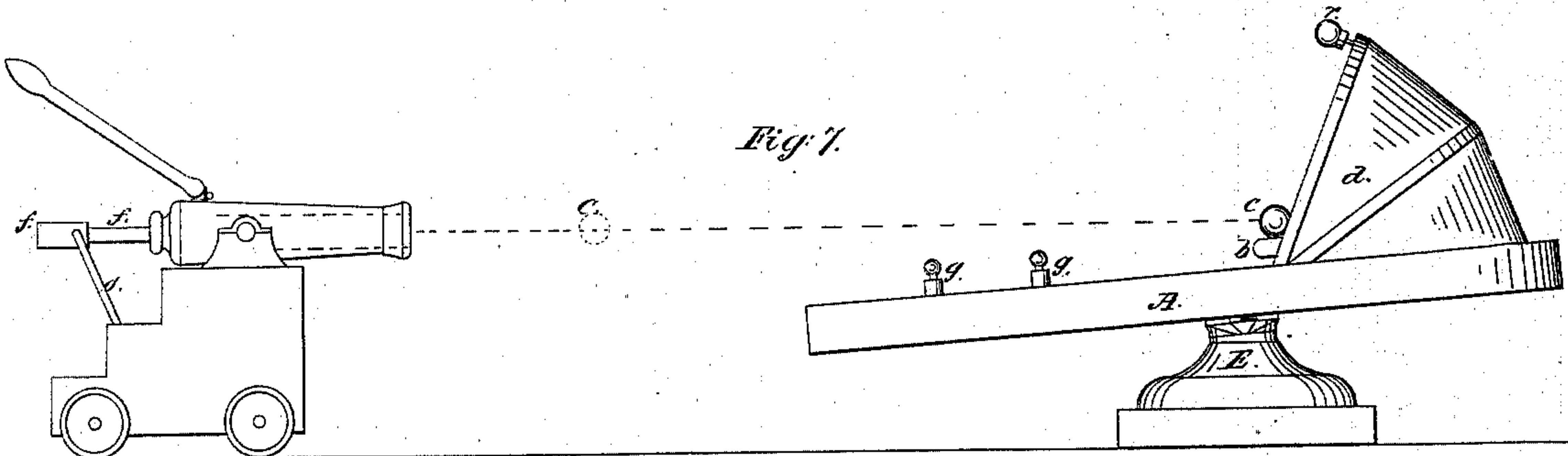
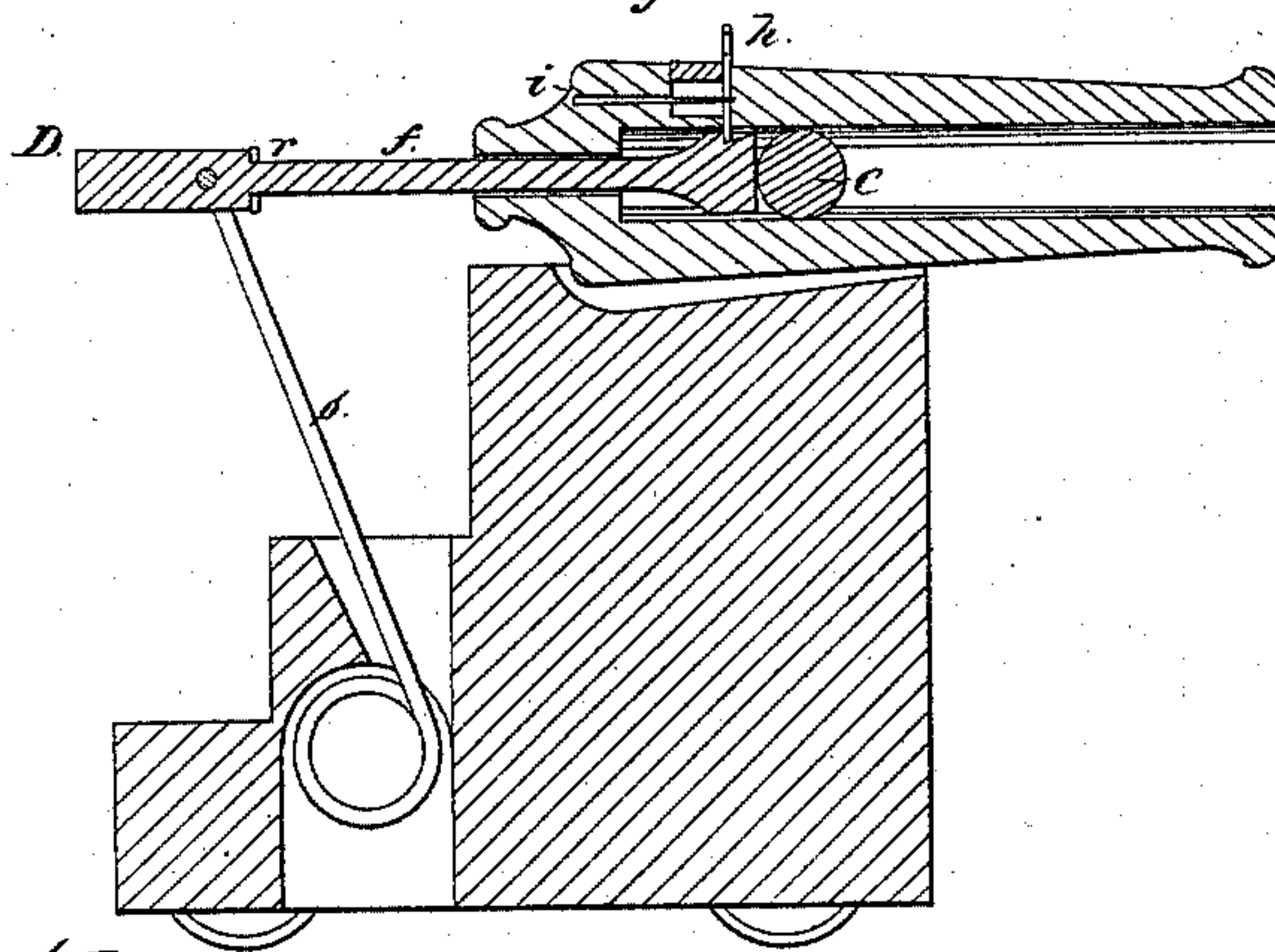


Fig. 8.



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FISHER A. SPOFFORD AND MATTHEW G. RAFFINGTON, OF COLUMBUS, OHIO.

Letters Patent No. 61,960, dated February 12, 1867.

PORTABLE PISTOL GALLERY.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that we, FISHER A. SPOFFORD and MATTHEW G. RAFFINGTON, of Columbus, in the county of Franklin, and State of Ohio, have invented a Miniature or Portable Pistol Gallery, to be used in games for amusement and instruction; and we do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Similar letters of reference in the different figures indicate corresponding parts.

Figure 1 is a perspective view of the gallery arranged for target practice.

Figures 2, 3, 4, and 5 represent devices to be placed upon the platform constituting different kind of games.

Figure 6 represents a plan of the gallery.

Figure 7 is a side elevation arranged for practise with the mounted gun.

Figure 8 is a sectional elevation of the mounted gun, showing arrangement of the same.

Figure 9 is an elevation partially in section, showing the mechanism of the hand-pistol for throwing marbles or balls, C.

The nature of our invention consists in a miniature or portable pistol gallery, arranged for many novel and interesting games, to be played with common playing marbles or other suitable balls, and in the arrangement and mechanism of the pistol and mounted gun for discharging the marbles or balls C, intended for amusement for children, &c., and to teach gunnery and methodical calculation to the players.

To enable others skilled in the art to make and use our invention, we will proceed to describe its construction and operation, with the aid of the drawings accompanying.

The table A we construct in the form shown, and of dimensions to suit the purpose for which it is designed—for parlor amusement and for children. Where common playing marbles are used, this platform or table is made from two to four feet long, arranged with the numbered divisions, as shown. The flexible shield *d'* is made of canvas or other strong material, stiffened and supported by suitable ribs, as shown in figs. 1 and 6; this shield or guard stops the balls when discharged at objects on the platform *b'*. The main table is pivoted on a pedestal, E, and revolves freely in any direction, the object being to set the gallery on a table and revolve it alternately to the different players seated around the same, each shooting it in turn and revolving it to the next. One game will be described as follows: On the platform *b'* are placed twelve balls in the slight concave depressions shown at *m' m'*, in fig. 1. The players, supposing them to be four in number, use either the pistols or the mounted guns, discharging them in their respective turns at the balls on platform *b*; this platform, as well as the main bed A, being inclined three or four degrees, causes the balls, when struck, to roll from the platform into the numbered divisions shown at *x'*, figs. 1 and 6. The number of the divisions filled at each discharge constitutes the game, which is recorded by the counting pins *g'*, counting each way from the centre; the machine here shown being arranged for from two to four players. Another game is target-shooting, where a single ball is mounted on a pedestal, *y'*, fig. 1, and is shot at, the game being counted by the position the ball may happen to find in the divisions *x* when struck. The large pin (fig. 4) is used as a mark when the players are not so well skilled; being higher, is struck by all line shots. The ten-pins, fig. 5, are set up on the platform *b'*, arranged in the usual manner, the game being counted from the number of pins displaced at each shot. The turret with the holes shown at fig. 3 is used for target-shooting, the object being to discharge the balls into the turret through the holes, the holes being graduated in diameter to suit the distance and the skill of the players. The casing (fig. 2) fits inside the turret and keeps it in the centre of the platform *b*, by means of a pin, shown at S, fig. 2. This pin fits into a corresponding hole in the centre of platform *b'*; it is also used for convenience in removing the balls from the turret. The shield *d'* is kept in position when the gallery is in use by means of a spring, *n*, figs. 1 and 7, acting as a brace to the ribs in the manner shown, the one end resting on the main platform, it is sprung into shape, the small pin *o'*, fig. 1, passing through the other end, keeps the shield in position. When the gallery is not in use, or when packed for transporting, this brace *n* is removed and the shield *d* folded down upon the frame. The mounted gun (fig. 8) has a plunger or piston, *f*, made to fit the bore at one end, the other end being connected to a strong coiled spring, *o*. The gun is shown in position for discharging the ball C. The operator, catching hold of the projecting end L, draws the piston *f* back until the stop *h'* catches into the notch, as shown, the spring *i* causing it to fly into the notch when the piston has reached

the proper point; the ball C is then run down and the piece levelled and discharged, as shown in fig. 7, the stop being raised by means of a light lever or hook of the proper form. An elastic washer, *r*, takes off the concussion of the spring. The spring *o* is formed from wire, the coil being concealed in a suitable cavity formed in the gun-carriage, as shown.

Having thus described the nature of our invention, what we claim as new, is—

1. A miniature portable pistol gallery, constructed substantially as shown and described.
2. The gun and turret, (figs. 3 and 8,) arranged and operating in the manner and for the purposes herein described.

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MATTHEW G. RAFFINGTON.

Witnesses:

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