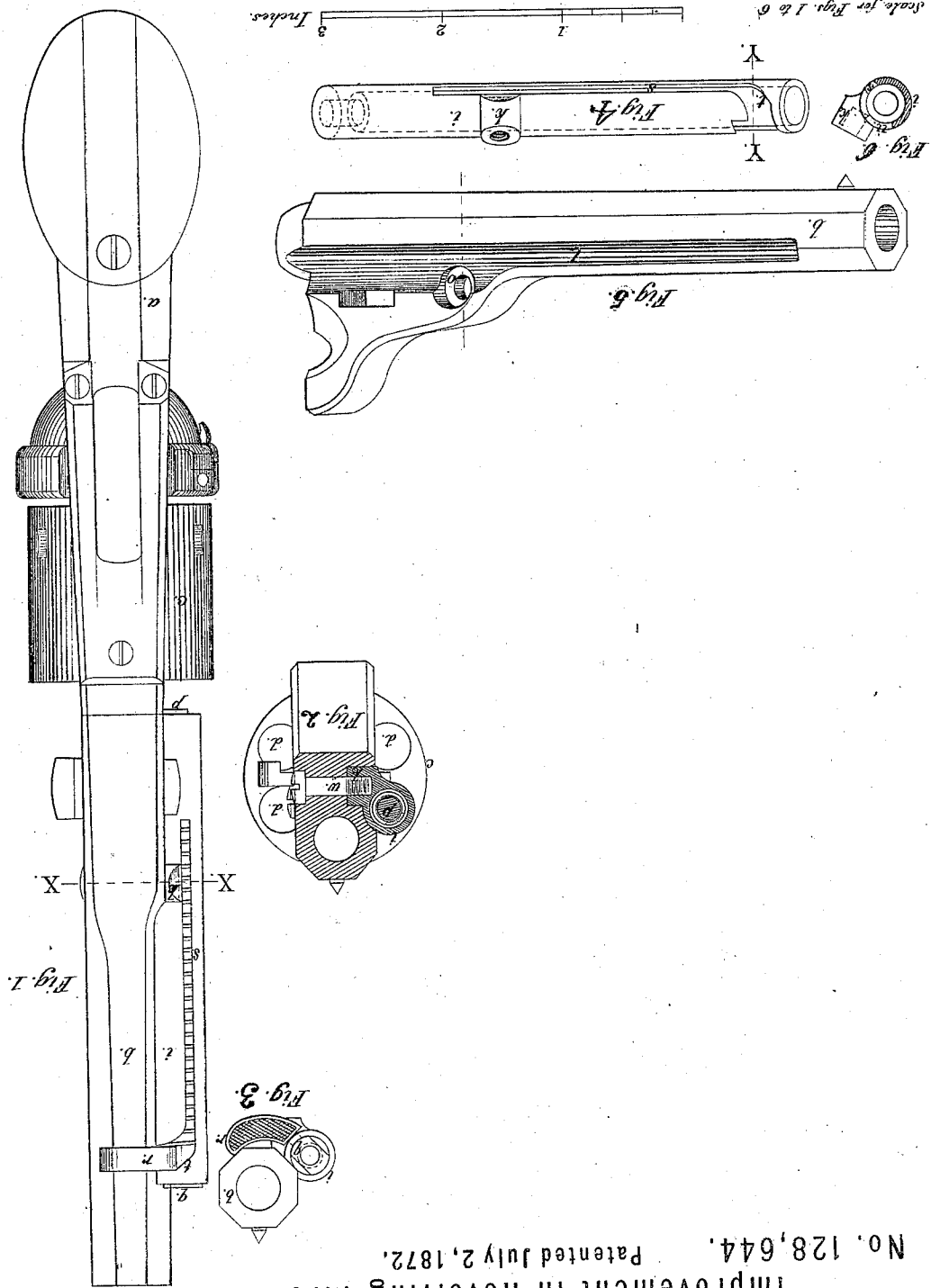


Inventor:
W. Mason

Witnesses:
W. B. Franklin
Ed. A. Reynolds



W. MASON.
Improvement in Revolving Fire-Arms.
No. 128,644. Patented July 2, 1872.

UNITED STATES PATENT OFFICE.

WILLIAM MASON, OF HARTFORD, CONNECTICUT, ASSIGNOR TO COLT'S PATENT FIRE-ARMS MANUFACTURING COMPANY, OF SAME PLACE.

IMPROVEMENT IN REVOLVING FIRE-ARMS.

Specification forming part of Letters Patent No. 128,644, dated July 2, 1872.

To whom it may concern:

Be it known that I, WILLIAM MASON, of the city and county of Hartford, in the State of Connecticut, have invented certain new and useful Improvements in Revolving Fire-Arms; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing making part of this specification.

Figure 1 is an exterior view, showing the lower side of a Colt's revolver with my improvements; Fig. 2, a cross-section on the line *x x*, Fig. 1; Fig. 3, an end view; Figs. 4 and 5, detached views of parts of the revolver; and Fig. 6, a cross-section on the line *Y Y*, Fig. 4.

My invention relates to a revolver with a many-chambered breech, capable of being loaded at the rear. It has for its object to provide for an efficient means of rotating the breech; also, for the application to the pistol of a conveniently-arranged shell-ejector. To these ends my said invention consists in making a cylindrical stud on the shell-ejector case and a recess in the barrel, fitted to receive the stud, so combined as to form as an inexpensive means of fastening, the case to the barrel. It also consists in making an inclined offset in the slit through which the ejector thumb-piece protrudes from the case, which acts in combination with the ejector-spring to keep the thumb-piece in its proper position, as hereinafter set forth.

Similar letters of reference denote the same parts in the several figures of the drawing, in which—

a is the stock of the pistol; *b*, the barrel; *c*, the cylinder or many-chambered breech. The cartridge-shell ejector is applied to the side of the barrel *b*. It consists of a rod, *p*, sliding in a cylindrical tube or case, *i*, and furnished at its upper end with a head, *q*, and thumb-piece *r*. It is urged outward by a spiral spring in the case. To provide for the firm attachment of the ejector-case *i* to the barrel, I form a short cylindrical projection or stud, *k*, on the side of the tubular body of the case and at a right angle therewith, while in the side of the barrel a shallow bed, *l*, is cut for the body of the

case, and recess *o* made to receive the stud *k*. A single screw, *w*, which enters the stud *k*, binds the case firmly to the barrel, as shown in Fig. 2. These parts are all easily made of their exact form by machinery and with simple tools.

The head *q* of the ejector-rod *p*, at the part where the rod is screwed into it, is made narrower one way than the other, (see Fig. 3,) so that, while the head is guided in the case when all the parts are in place, yet it may, when the rod is unscrewed and removed and the case *i* taken off from the barrel, be taken out through an outlet, *u*, formed in the side of the case *i* near its upper end and on the side which lies next the barrel. The thumb-piece *r* protrudes from the side of the case *i* through a longitudinal slit, *s*, and this slit is offset in a slanting direction at its upper end in such a manner that the thumb-piece will be swung around against the barrel by the pressure of the ejector-rod spring acting upward, whereby the thumb-piece is held out of the way when not in use. (See Fig. 1.)

To eject the cartridge-shells the thumb-piece *r* is forced downward, which swings it outward and then carries the rod down through the chambers of the cylinder, which are successively brought into line therewith in the usual manner.

Having thus described my invention, I claim—

1. The cylindrical stud *k* on the side of the ejector-case in combination with the recesses *o* and *l* in the barrel, substantially as and for the purpose set forth.

2. I also claim the offset *t* in the slit *s* of the ejector-case, when made slanting, as described, in combination with the thumb-piece *r*, ejector-rod, and spring for carrying the ejector-rod outward, substantially as described.

In testimony whereof I have hereunto set my hand and seal this 23d day of January, 1872.

WM. MASON. [L. S.]

Witnesses:

W. B. FRANKLIN,
C. B. RICHARDS.