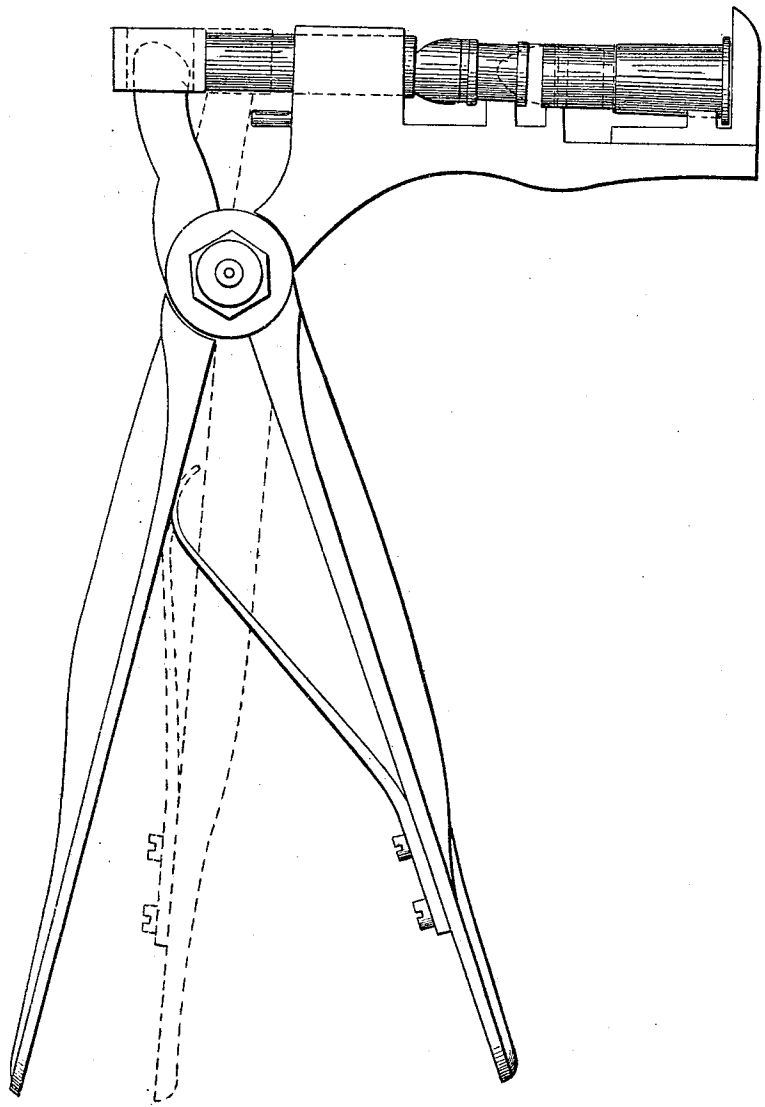
W. C. PICKERSGILL.

2 Sheets—Sheet 1.

Apparatus for Setting Bullets in Cartridges.

No. 97,806.

Patented Dec. 14, 1869.



WITNESSES

J. A Shattuck

Orrell Peckham

INVENTOR

Willm C Pickersgill

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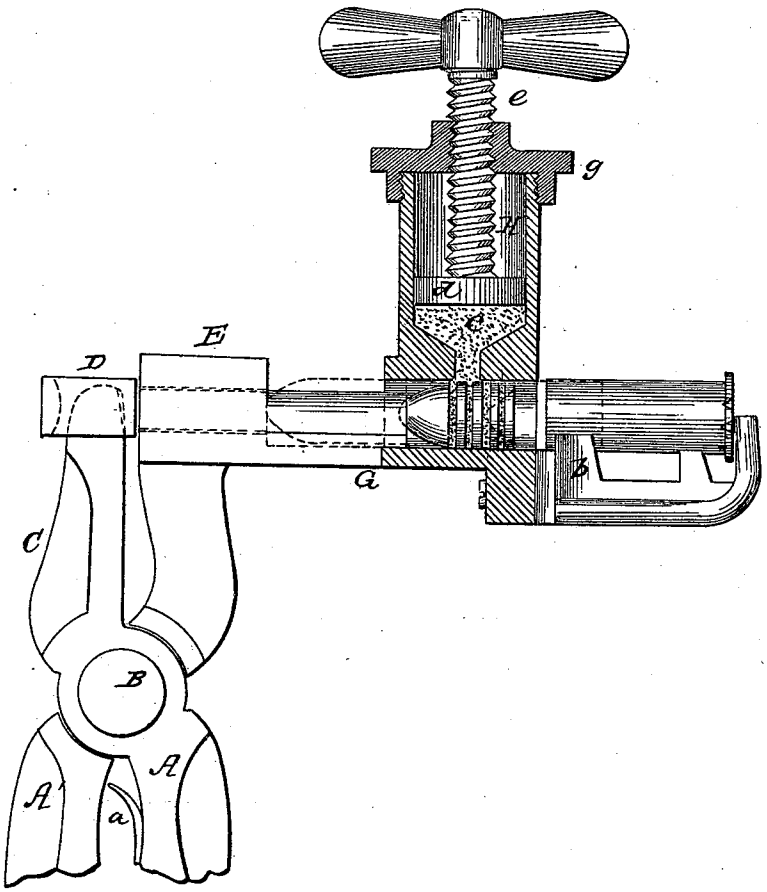
2 Sheets—Sheet 2.

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United States Patent Office.

WILLIAM C. PICKERSGILL, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO PROVIDENCE TOOL COMPANY, OF SAME PLACE.

Letters Patent No. 97,806, *dated December* 14, 1869.

IMPROVED APPARATUS FOR SETTING BULLETS IN CARTRIDGES.

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

To all whom it may concern:

Be it known that I, WILLIAM C. PICKERSGILL, of the city and county of Providence, and State of Rhode Island, have invented an Improved Apparatus for Setting Bullets in Metallic Cartridges; and I do hereby declare that the following specification, taken in connection with the drawings, making a part of the same, is a full, clear, and exact description thereof.

The apparatus hereinafter described is one of a series of hand-machines designed to perform, respectively, the operations of extracting the cap of a discharged metallic cartridge, resetting a fresh cap, and inserting the bullet into the end of the cartridge-shell, after the latter has been charged with powder.

The drawings exhibit, at sheet 1, a perspective view of the apparatus for setting a bullet which has been greased by a separate operation.

At sheet 2 a like machine is shown in section, with the addition of a means for greasing the bullet at the time of performing the operation of setting it.

A A′ are two levers, jointed at B, and are intended to be held and worked by one hand.

A spring, *a*, tends to keep them separated.

The short arm, C, of the lever A enters a slot in the head of the plunger D, which plunger works in a suitable guide or keeper, E, and its end face is made concave to suit the shape of the tip of the bullet.

The short arm of the lever A′ is shown at G.

Its end is turned upward to afford a back rest for the head of the cartridge-shell, and suitable concave-faced stumps, *b*, are affixed to such arm as lateral rests for the shell.

This portion of the apparatus, with the exception that it is arranged as a portable hand-machine, is not different in principle from a lever-press.

At sheet 2 it will be seen that the apparatus above described is improved by the addition of a means for lubricating the bullet just before its insertion into the end of the shell.

It is customary to make all ammunition of this character with grooves around the outside of the ball, which should be filled with tallow or other proper lubricant.

It has heretofore been customary to grease the bullets by a separate operation.

As this and the other machine of the series above referred to are intended for use in the field, I have combined with the apparatus for setting the bullet above described, a hollow cylinder, H, capable of holding a quantity of tallow or other preferred lubricant.

This cylinder is attached to the arm G of the lever A′, and it is so arranged that a hole through its transverse axis, large enough in diameter to receive the cylindrical portion of the bullet, shall be in line with the bore of the cartridge-shell, when the latter is in position.

A duct, *c*, connects the grease-chamber with the cylindrical hole last mentioned.

A piston, *d*, is fitted to the cylinder H, which can be forced downward by a screw, E, working in a collar attached to the removable screw-cap *g*.

It is quite apparent that if a cartridge-shell, charged with powder, is placed upon the bed on the arm G, with its head resting against the back rest, the bullet can be forced home by the action of one hand upon the levers A A′, while a turn being given to the screw E by the other hand, the scores in the bullet will, at the same time, be filled with grease.

Although the apparatus shown is intended to be portable, and for greater convenience the press for setting the bullet is worked by the hand-levers A A′, it is evident that a similar means for greasing the ball can, with great advantage, be attached to any other form or description of ball-setting machine.

What I claim as my invention, and desire to secure by Letters Patent, is—

An apparatus for setting a bullet in a metallic cartridge, which consists of a suitable lever or other power-press, in combination with a mechanism for greasing the bullet, substantially as described.

WILLIAM C. PICKERSGILL.

Witnesses:

ORVILLE PECKHAM,

J. A. SHATTUCK.