

J. SAGET.

ANVILS FOR PAPER-CARTRIDGE SHELLS.

No. 174,705.

Patented March 14, 1876.

Fig. 1.



Fig. 3.

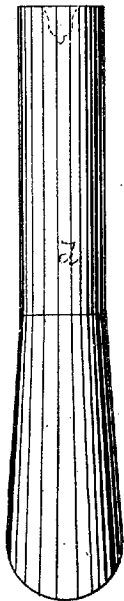


Fig. 2.

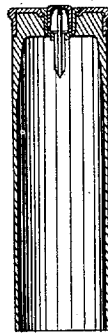


Fig. 4.



Fig. 5.



Witnesses.

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IMPROVEMENT IN ANVILS FOR PAPER CARTRIDGE-SHELLS.

Specification forming part of Letters Patent No. **174,705**, dated March 14, 1876; application filed August 20, 1875.

To all whom it may concern :

Be it known that I, JULIEN SAGET, a resident of the city of New Orleans, and State of Louisiana, have invented a certain new and useful Improvement in Anvils for Paper Cartridge-Shells; and I do hereby declare the following to be a full, clear, and correct description of the same, reference being had to the annexed drawing, making a part of this specification.

My invention relates to an improvement in anvils for use in paper-shell cartridges. Its peculiar construction and merits will be readily understood by referring to the accompanying drawing, on which—

Figure 1 is a perspective view of an ordinary paper cartridge-shell. Fig. 2 is a sectional view of the same, as when provided with my improved anvil. Fig. 3 is a device for disengaging the old caps. Fig. 4 is the cup or socket of the shell, in which the anvil and firing-cap is held. Fig. 5 is a detached view of my improved anvil.

My invention consists in providing, in a single piece, an anvil of brass, iron, or steel, the head *a* of which is somewhat larger in diameter than its stem *b*, and made slightly conical in form, to receive thereupon the necessary cap for the explosion of the charge contained within the shell to which the said anvil is applied. The peculiar feature of my invention consists in the formation across the head of the anvil of a narrow groove, *c*, which is continued down one side of the said head and stem, and to the very point of the latter. Through this groove the fire is conveyed in a straight line to the charge, causing the same

to explode without injury to the shell. The groove *c* extends entirely across the top of the conical head of the anvil, thereby giving greater surface for the passage of the flame, and more certainly insuring the discharge of the cartridge than if a side groove only were employed. The old cap is readily removed from the shell by means of the device shown at Fig. 3, which is constructed of wood or of any other desirable material. Its stem *d* is made small enough to be readily inserted in the paper shell, and its end is provided in its center with a socket, (shown in dotted lines,) the bottom of which receives the point of the anvil, keeping it in a central position while it is being pushed outward from the shell, which act disengages the old cap and leaves the anvil ready for a new one.

I am aware that detachable anvils with conical heads have heretofore been inserted in the base-plate of cartridge shells. I am also aware that an anvil provided with grooves has heretofore been employed. I, therefore, do not claim the same as my invention; but

What I do claim as new, and desire to secure by Letters Patent, is—

As a new article of manufacture, the solid anvil herein described, having the conical head *a*, stem *b*, and groove *c*, extending across the top of the conical head, and thence continued down one side of the head and stem, as described, and for the purpose set forth.

J. SAGET.

Witnesses:

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