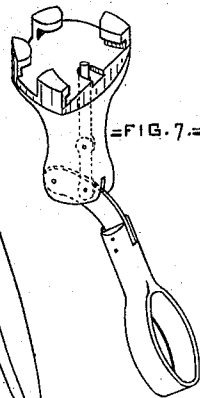
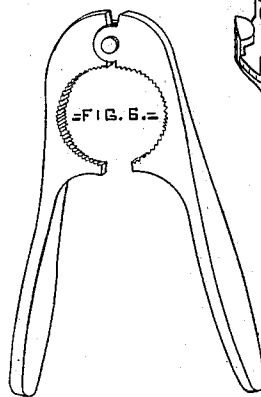
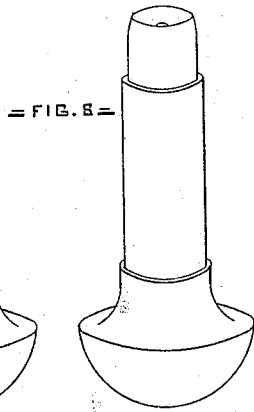
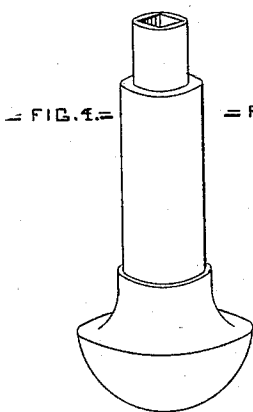
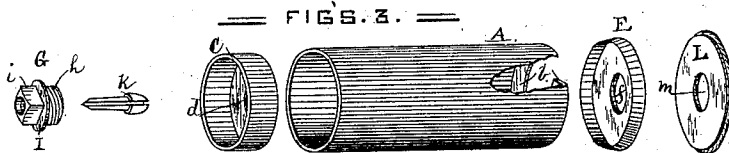
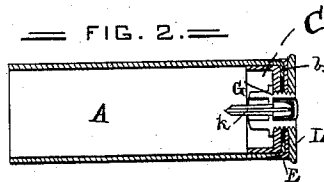
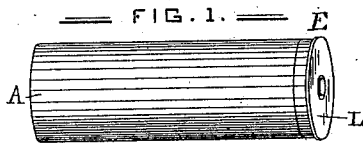


J. SAGET.
Cartridge.

No. 226,117.

Patented Mar. 30, 1880.



WITNESSES.

Dan. J. Coors.
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INVENTOR.

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BY

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JULIEN SAGET, OF NEW ORLEANS, LOUISIANA.

CARTRIDGE.

SPECIFICATION forming part of Letters Patent No. 226,117, dated March 30, 1880.

Application filed August 11, 1879.

To all whom it may concern:

Be it known that I, JULIEN SAGET, a resident of the city of New Orleans, parish of Orleans, and State of Louisiana, have invented a certain new and useful Improvement in 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 drawings, making a part of this specification.

This invention relates to certain improvements in the construction of paper cartridges, its object being to render the same more durable by preserving the metallic parts thereof, and by fitting a steel plate to that portion of the cartridge which receives the blow of the hammer.

Heretofore a metallic cartridge has been constructed of four finished pieces, to wit: the tube, the head-rimmed disk, the inner disk fitting within the tube, and a screw connecting the disks together and clamping the tube in position; but this construction has its objections—among others, as to strength on the head-disk—and necessitates the use of a re-enforce-strip at the base of the shell.

My invention, which involves a new method of constructing cartridge shells or cases of that class having paper tubes, consists in a novel construction of the cartridge shell or case, as will be hereinafter more fully set forth.

Figure 1 represents my improved cartridge as when capped and ready for use. Fig. 2 is a longitudinal section through the same. Fig. 3 shows details thereof; and Figs. 4, 5, 6, and 7 are views of implements for putting together or removing the different parts thereof.

These implements form no part of this invention, and are only shown in order that the hereinafter description may be more readily understood.

On the drawings, A is an ordinary paper shell or tube, one end of which is bent inward at right angles, so as to form a flange, as at *b*. Into this shell, against the aforesaid flange, is fitted a metal thimble or cup, C, that is provided in the central portion of the base thereof with a screw-threaded hole, *d*. A flanged plate, E, having a larger-sized smooth opening, *f*, therein, is next fitted over the

aforesaid portion of the cartridge. The two are then drawn together, and an air-tight joint formed between the same by means of an anvil-holder, G, one end of which is provided with a threaded stem, *h*, for fitting into the above-mentioned pieces, and with a collar, I, and square or other shaped head, *i*, the latter to receive the inner end of the implement shown in Fig. 4, by which the pieces are secured together or disconnected, as required, the paper flange of the shell serving as a packing between the said parts. Through the center of the holder G is an opening, a portion of which is somewhat smaller in diameter than the balance thereof, so as to receive the shank of the anvil *k*, and form a shoulder against which the head of the same shall rest when inserted in proper position, as shown in Fig. 2.

A circular steel plate, L, having a threaded central opening, *m*, is next screwed on the projecting end of the anvil-holder, and tightened thereupon by means of the implement shown in Fig. 6 until the two have been brought to a smooth and even surface. The shell is then loaded, a cap being placed on the anvil either before or thereafter. Should this cap fit tightly upon the head of the anvil, which properly it should do, it can be forced thereupon by the small end of the implement shown at Fig. 4, or by a capper, such as is shown in Fig. 7. The said capper is provided with notched lugs, so as to slip over the projecting edge of the face-plate, and thus bring the end of the plunger in contact with the cap, which is then forced into position by the lever with which the said plunger is connected.

It will be seen by the foregoing description, in connection with the drawings, that my cartridge shell or case is composed of six finished pieces, to wit: the paper tube A, cup or thimble-shaped piece C, flanged plate E, face-disk L, anvil-holder G, and anvil *k*, as fully shown in Fig. 3 of the drawings.

The walls of the cup-shaped piece C strengthen the base of the paper shell; the flanged plate E acts as a clamp and secures the flanged portion of the paper tube in position and relieves the strain upon the face-disk when the cartridge is discharged.

From the above description it will be read-

ily understood that should the paper shells in
any manner be injured by the explosion there-
in the said portions of the cartridge will alone
be lost, inasmuch as the metal parts can be
5 removed therefrom and fitted to new shells
whenever desired.

Having described my invention, what I
claim as new, and desire to secure by Letters
Patent, is—

10 A cartridge-shell composed of a paper shell,

A, cup or thimble C, anvil-holder G, with an-
vil *k*, flanged plate E, and face-plate L, as de-
scribed, and for the purpose set forth.

In testimony whereof I have hereunto signed
my name.

J. SAGET.

In presence of—
P. J. FINNEY,
J. C. HUBBELL.