

H. E. PAINE.

Cartridge-Box.

No. 85,241.

Patented Dec. 22, 1868.

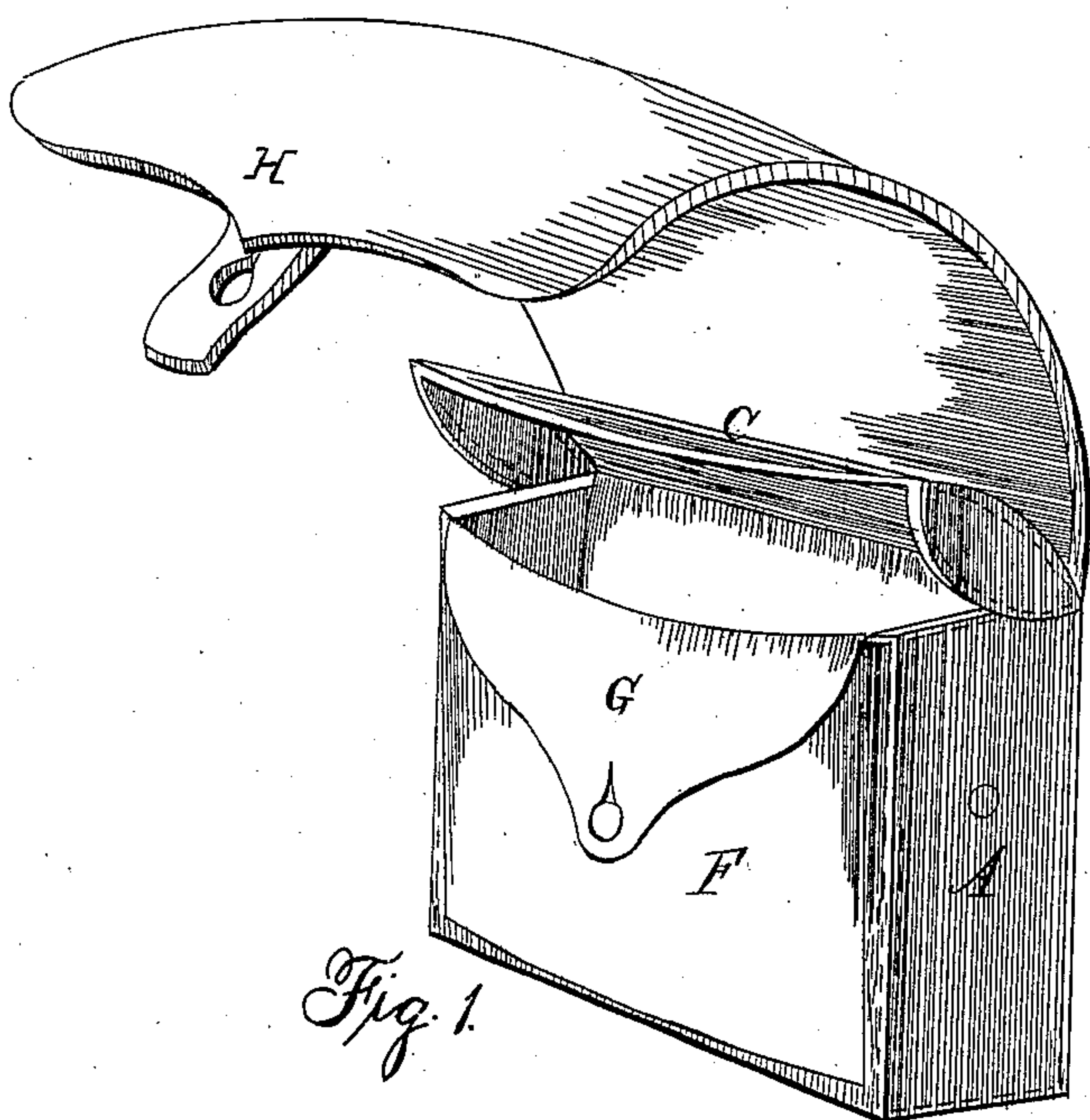


Fig. 1.

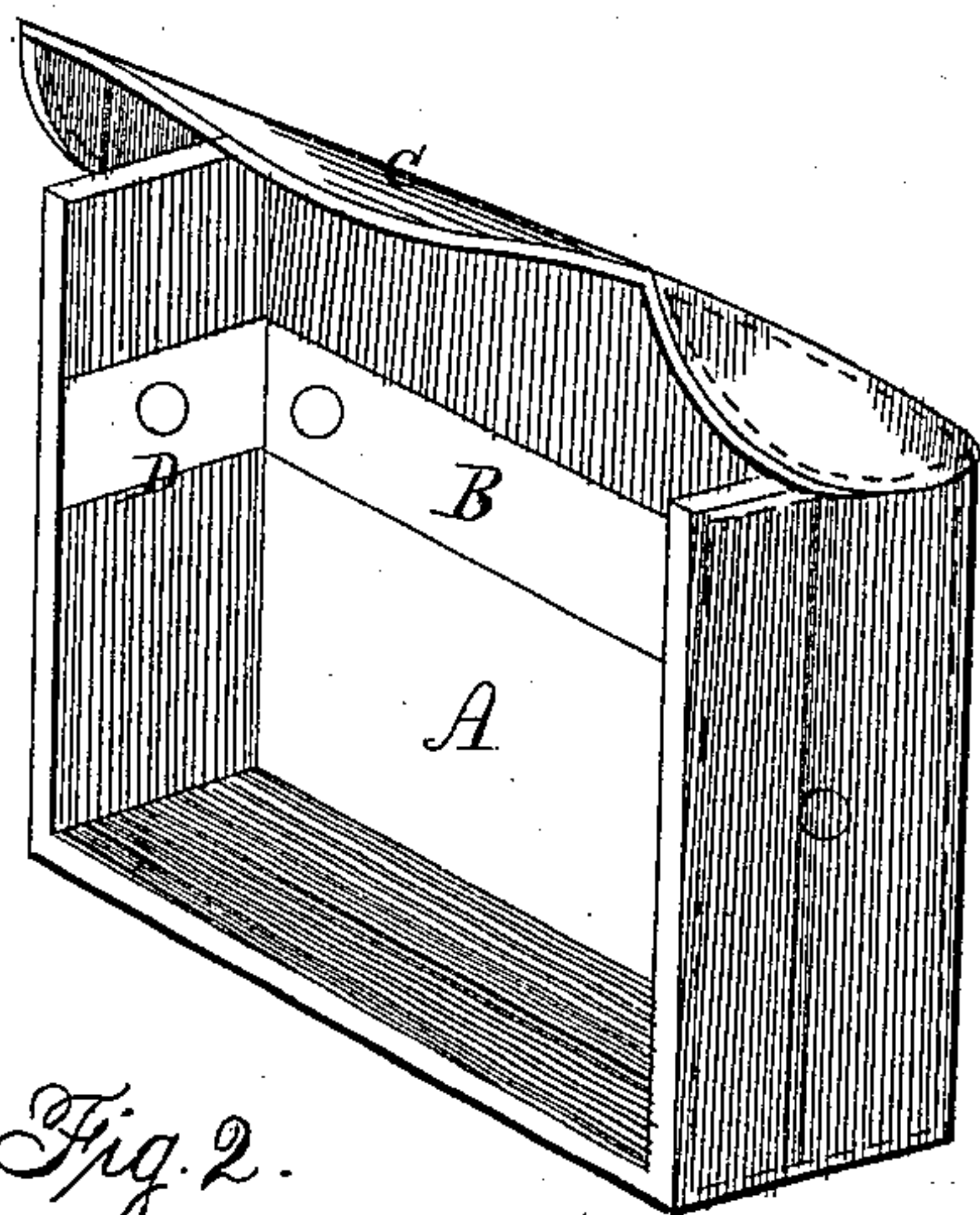


Fig. 2.

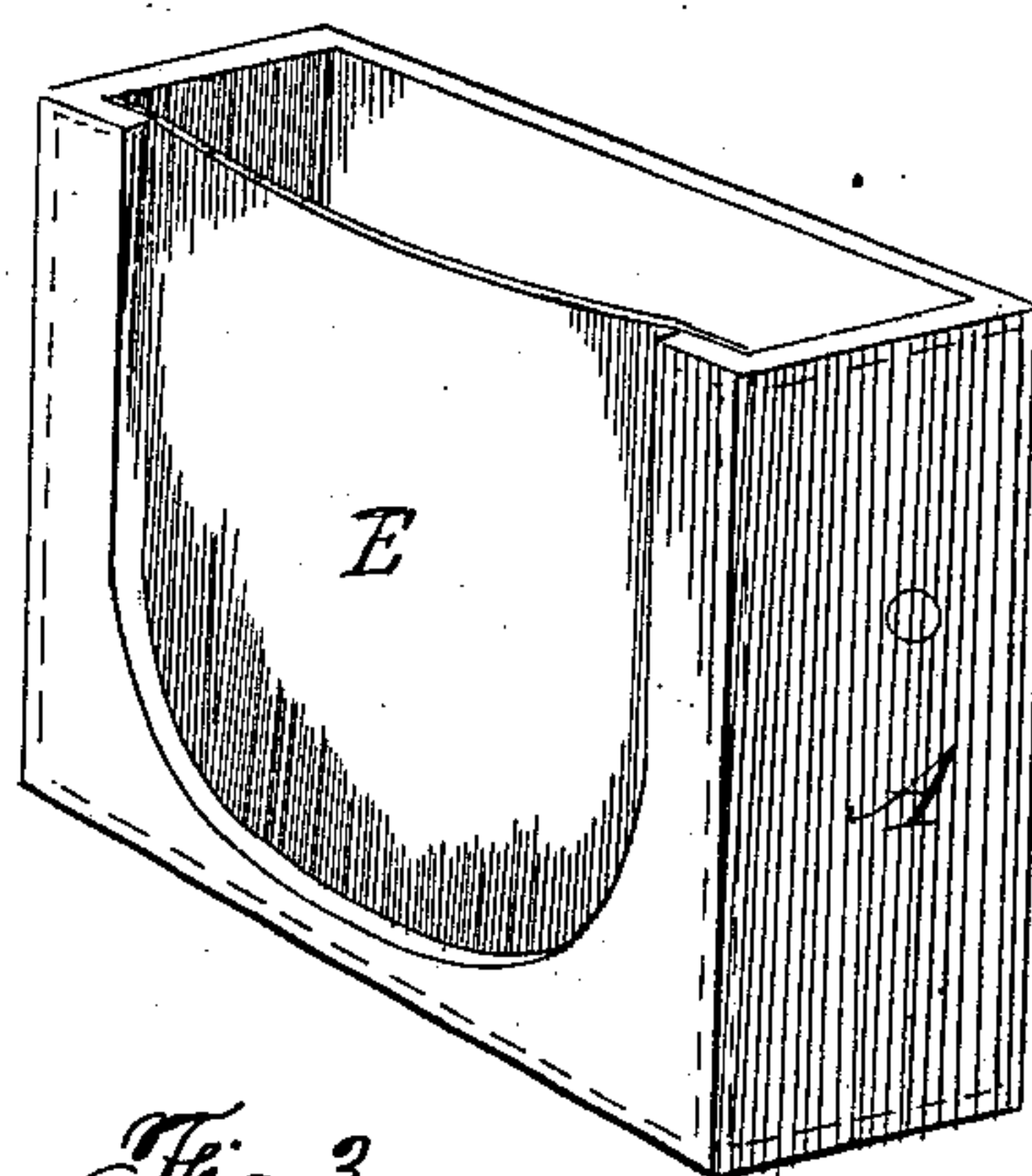


Fig. 3.

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Letters Patent No. 85,241, dated December 22, 1868; antedated December 16, 1868.

IMPROVED CARTRIDGE-BOX

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, HIRAM E. PAINE, of the city of Troy, county of Rensselaer, and State of New York, have invented a new and improved Cartridge-Box, and that the following is a full, true, and exact description of the said invention, reference being had to the accompanying drawings, with the letters of reference marked thereon, which are hereby made a part of this specification.

Like letters represent and refer to like or corresponding parts.

Figure 1 is a perspective view of my improved cartridge-box when complete, as hereinafter described;

Figure 2 is a view of my said improved cartridge-box with the front removed, and showing the metallic strip hereinafter mentioned; and

Figure 3 shows the manner of making the alteration in the old cartridge-box, as hereinafter stated.

The nature of my invention consists in constructing a cartridge-box, which, while it has all the safety and convenience of the article now in general use in the army, is yet adapted to the use of metallic cartridges, such as are employed with the new breech-loading arms.

It also consists in altering the old service cartridge-box so as to adapt it for carrying metallic cartridges, as hereinafter specified.

In the cartridge-box heretofore in use, the back and front are both made of very thick, heavy leather, and the sides are too narrow to permit the introduction of the hand into the box, which was used in connection with tin magazines in which the cartridges were placed, and from which they were removed by the finger and thumb.

But when metallic cartridges are employed, the tin magazines are unnecessary and inconvenient, and therefore will not be used, while without them the box is too narrow to admit the hand, so that the cartridges can be reached.

One design of my invention is to obviate this difficulty.

Having thus described the nature of my invention, and to enable others skilled in the art to which it relates to make the same, I will describe the construction thereof, which is as follows:

My improved cartridge-box is made of the same material, in the same manner, and with the same proportions as the present regulation-box used with muzzle-loading arms, except as hereinafter stated.

In order to strengthen the box, and prevent it from being crushed in by the rough usage to which it is sometimes exposed, I place across the inside of the back and both sides, underneath the lining, a thin metallic plate, B D, fig. 2.

This may be made of any suitable material, though I prefer steel, and serves to keep the box in shape, and in that respect takes the place of the tin magazines.

I also make the front of my improved cartridge-box of thin leather, put on loosely, so that it will puff or swell out in front, as is shown at G, fig. 1. To this thin-leather front the thin piece of leather, F, is attached, at the edges forming the pocket, in the usual manner.

By this means the front of the box readily yields to the pressure of the hand, and permits its introduction into the box for the purpose of taking out the cartridges.

It will easily be seen that the advantages of my invention consist in the facility and economy with which the old cartridge-boxes can be altered, on my principle, to adapt them to the use of metallic cartridges.

To make this alteration, I place the metallic strip B D across the back and sides of the box, in the manner and for the purposes above stated.

I also cut out nearly all the thick-leather front of the box, leaving a narrow strip along the sides and bottom, as shown in fig. 3.

To the inside of this narrow strip, I attach the thin-leather front E loosely, so as to puff or swell out in the manner above stated.

To the outside of said narrow strip, I sew the piece of thin leather F, fig. 1, which, with the front, forms the pocket.

The flap c, fig. 1, is a part of the inside front shown at E, fig. 2, and covers the mouth of the pocket.

By the application of my improvement to the old cartridge-box, the hand can be introduced into the same, as above stated, and its capacity is also increased from forty to sixty per cent.

In this manner the Government cartridge-boxes now on hand can be fitted for carrying metallic cartridges, at a very trifling expense.

Having thus described the nature of my said invention and improvements,

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

1. As a new article of manufacture, a cartridge-box, constructed substantially in the manner and for the purposes herein described and set forth.

2. The metallic strip or brace B D, applied to the back and sides of the box, to strengthen the same, substantially as hereinbefore specified and described.

3. A cartridge-box, with the back and sides of thick, heavy leather, and the front of thin, soft leather, arranged and constructed in the manner and for the purposes substantially as hereinbefore specified and set forth.

In testimony whereof, I have hereunto set my hand, this 1st day of April, A. D. 1867.

HIRAM E. PAINE.

Witnesses:

CHARLES D. KELLUM,
D. MACFARLAND.