

C. C. MACCONNELL.
Cartridge-Boxes.

No. 152,136.

Patented June 16, 1874.

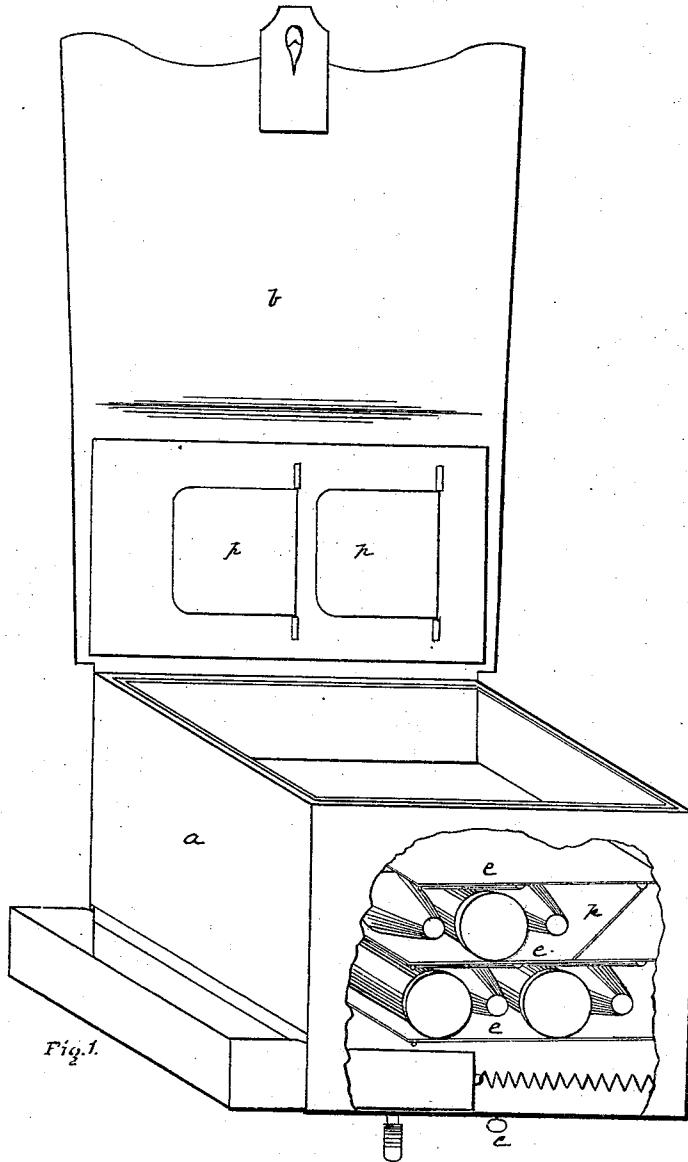


Fig. 1.

WITNESSES

Garnes D. Kay
Fredrick Standish

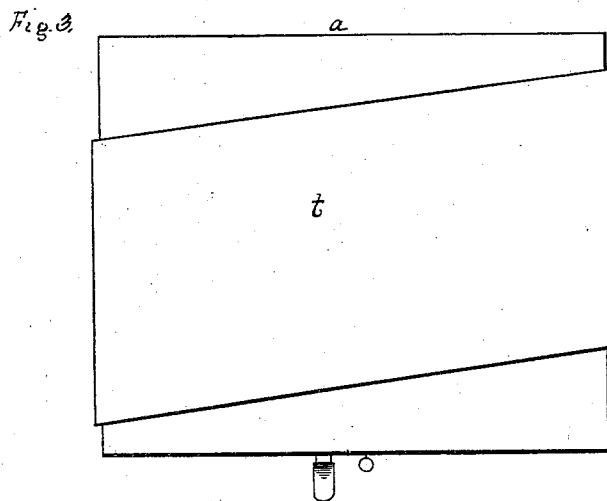
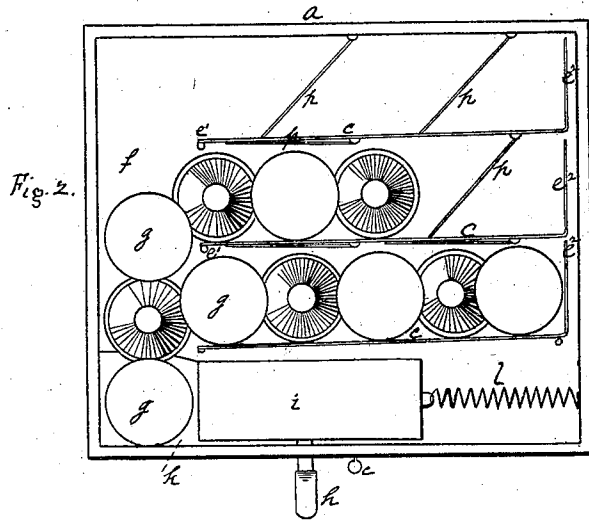
INVENTOR

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WITNESSES

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UNITED STATES PATENT OFFICE.

CHARLES C. MACCONNELL, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN CARTRIDGE-BOXES.

Specification forming part of Letters Patent No. **152,136**, dat d June 16, 1874; application filed February 11, 1874.

To all whom it may concern:

Be it known that I, CHARLES C. MACCONNELL, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Cartridge-Boxes; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a view of my improved cartridge-box opened, with one side broken away, to show the construction of the same. Fig. 2 is a vertical section, and Fig. 3 is an outside view.

Like letters of reference indicate like parts in each.

My invention consists of a cartridge-box for metallic cartridges, provided with a delivering apparatus for delivering one cartridge at a time, and so constructed that another cartridge is immediately fed forward to take the place of the one removed, and so on until the box is emptied.

To enable others skilled in the art to make and use my invention, I will describe the same more fully.

The box *a* is of the usual form, having a flap lid, *b*, which folds over and buttons at *c*. Inside of this box is a case, constructed preferably of tin, having a series of slightly-inclined shelves, *e*, extending almost the entire width of the box, the remaining space *f* being of sufficient width to permit the free passage of a cartridge, *g*. Arranged on the bottom of the box, and sliding forward by pressure applied to the knob *h*, is a slide, *i*, containing a drawer, *k*, at its front edge. The slide may be moved forward, so as to bring the drawer entirely beyond the side of the box. This drawer has no bottom, and is designed simply for the purpose of pushing out or carrying the cartridge which is fed into it beyond the side of the box, so that it shall drop through the open bottom into the hand of the user. The slide *i* is attached to the rear end of the box *a* by means of a spring, *l*, of any desired construction.

The box *a* is filled with cartridges in the manner indicated in Fig. 2, the cartridges be-

ing placed on all the shelves, and a vertical row upon the side beyond the end of the same. When it is desired to take out a cartridge, the slide *i* is drawn forward by means of the knob, causing the first cartridge *g* to be pushed beyond the side of the box, and to drop through the open bottom of the drawer into the hand of the user. The spring immediately retracts the slide, and the next cartridge in the vertical row drops down into the drawer. This causes the whole row on the top shelf *e* to roll down its inclined surface and fill up the vacant space. This operation is repeated until the cartridges from the top shelf, and then from the other shelves successively, have all been taken out of the box.

In order to prevent the cartridges from becoming displaced or fouled in the box as the latter is gradually emptied, I have placed the flaps or leaves *p* above each shelf, so that when the cartridges have rolled down and cleared that part of the shelf the same shall be free to fall, and prevent them from turning and assuming a longitudinal direction on the shelf. This insures the proper feeding of the cartridges, and guards against the possibility of any fouling in the box.

For the purpose of opening and filling the box with ease, I hinge the shelves *e*, as at *e'*. This permits me to throw them forward, turning on the point *e'*, and to fill the box with ease. As the shelves thus secured would be liable to flap and vibrate when the box is partially or entirely empty, I turn up the ends, as at *e''*, a sufficient distance to support the next shelf in a slightly-inclined position.

It will be seen that each shelf rests upon the turned-up end *e''* of the shelf below, and that when the lid is closed the braces thus formed will hold the shelves properly rigid.

Any other device, such as a spring or hook of any kind for fastening the shelves down, may be used instead of the turned-up end.

In order that the box may stand in a proper position when strapped to the body, I attach the loop *t* diagonally across the back. Then when the box is in place it inclines forward to the lower delivering-corner, and insures the feeding forward of the cartridges to that point.

The superior advantages of my improved

box over the old form, which had to be opened every time a cartridge was needed, are too evident to need comment upon.

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

1. In a cartridge-box, the combination of a series of movable inclined shelves and a vertical feed-channel, substantially as and for the purpose specified.

2. The combination of the inclined pivoted shelves, the vertical feed-channel, and the open-bottomed discharging-drawer, substantially as specified.

3. The slide *i*, provided with a knob, *h*, a spring, *l*, for withdrawing it, and a drawer

with an open bottom, for delivering the cartridge, substantially as described.

4. The flaps *p*, in combination with the shelves *e*, to prevent the turning and consequent fouling of the cartridges during the emptying of the box, substantially as described.

5. In a cartridge-box, the hinged shelves *e*, having a turned-up end or other suitable staying device, as described.

In testimony whereof I, the said CHARLES C. MACCONNELL, have hereunto set my hand.

CHARLES C. MACCONNELL.

Witnesses:

JOHN G. MACCONNELL,

T. B. KERR.