

(No Model.)

4 Sheets—Sheet 1.

J. G. ACCLES.  
CARTRIDGE FEED CASE.

No. 396,523.

Patented Jan. 22, 1889.

Fig. 6.

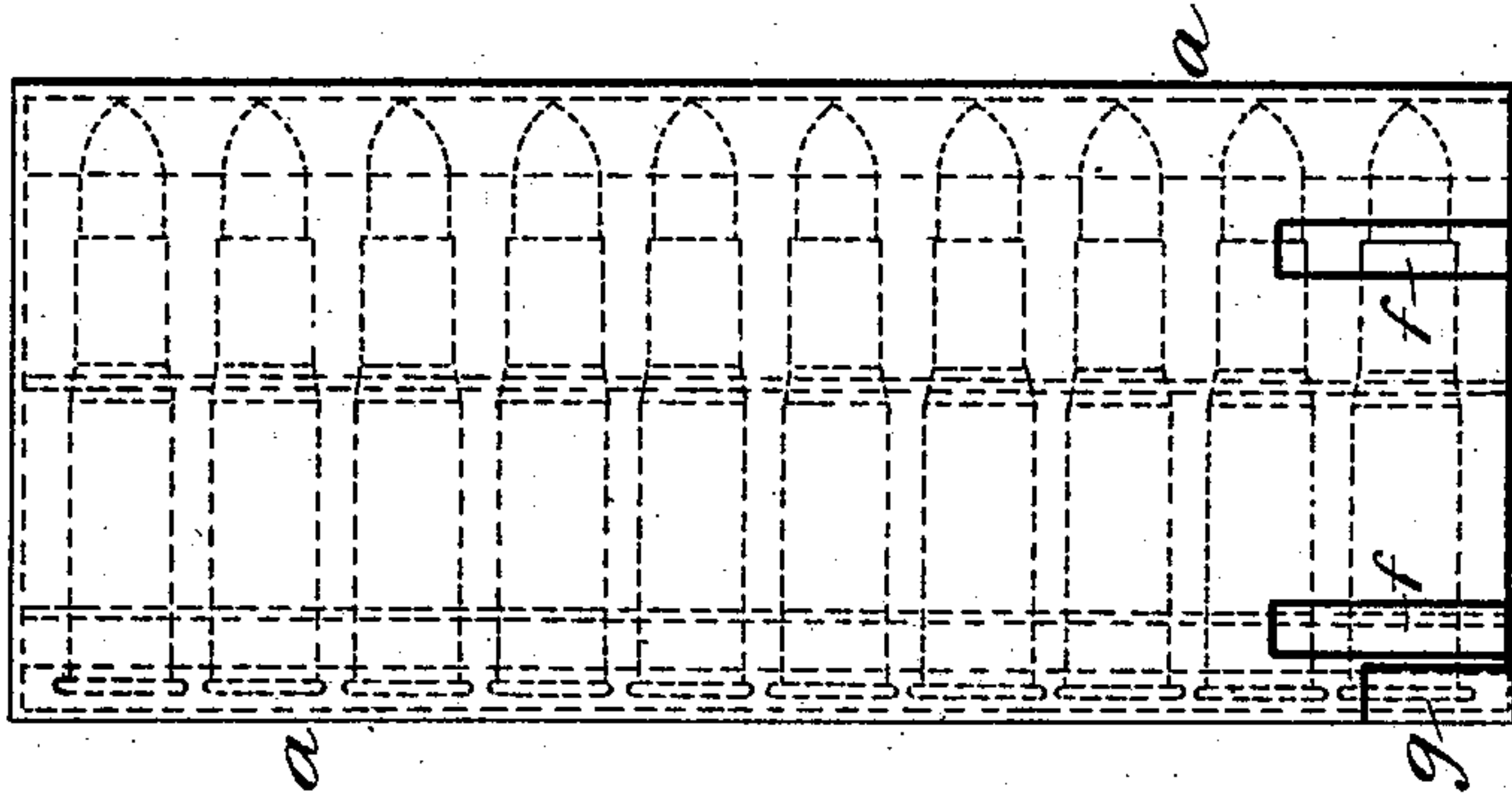


Fig. 7.

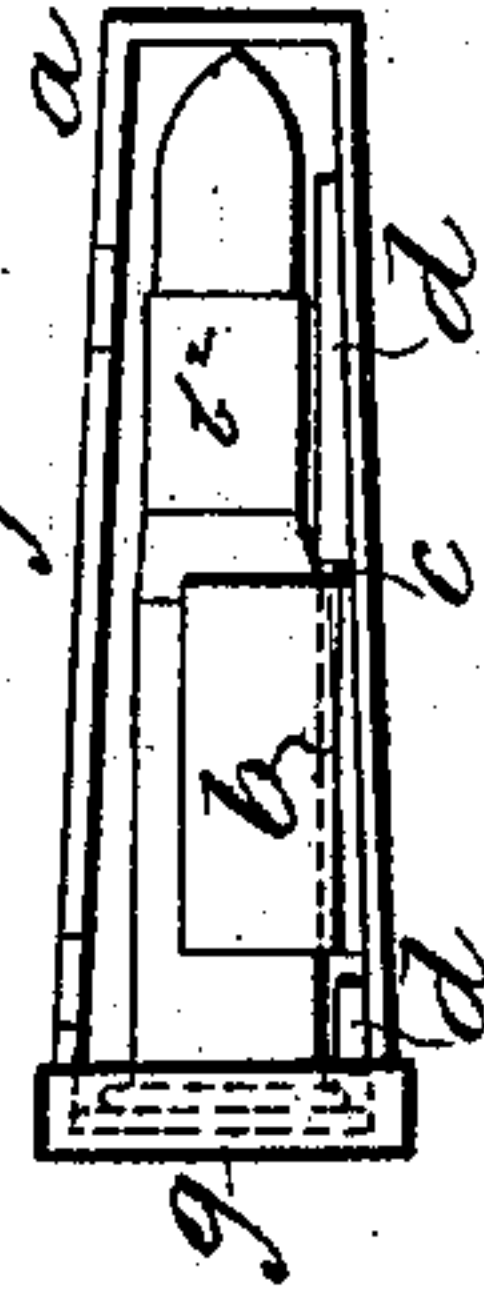


Fig. 4.



Fig. 5.

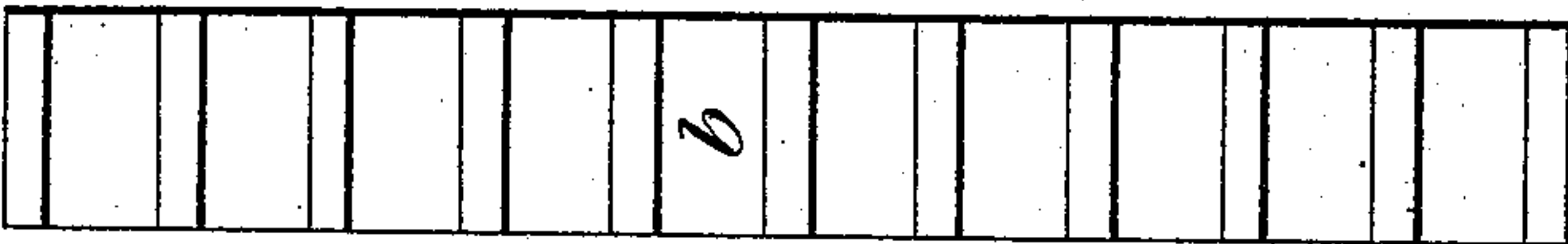


Fig. 3.

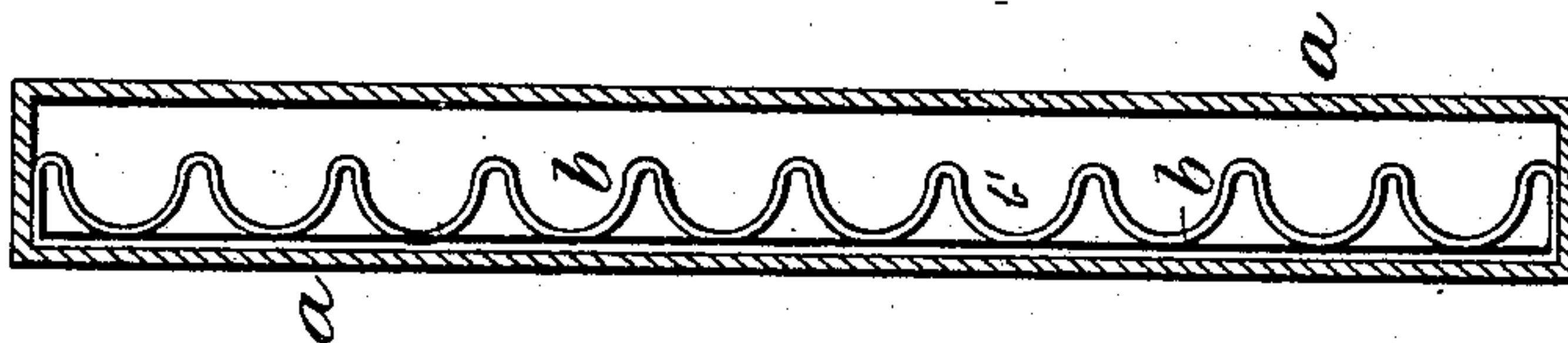


Fig. 1.

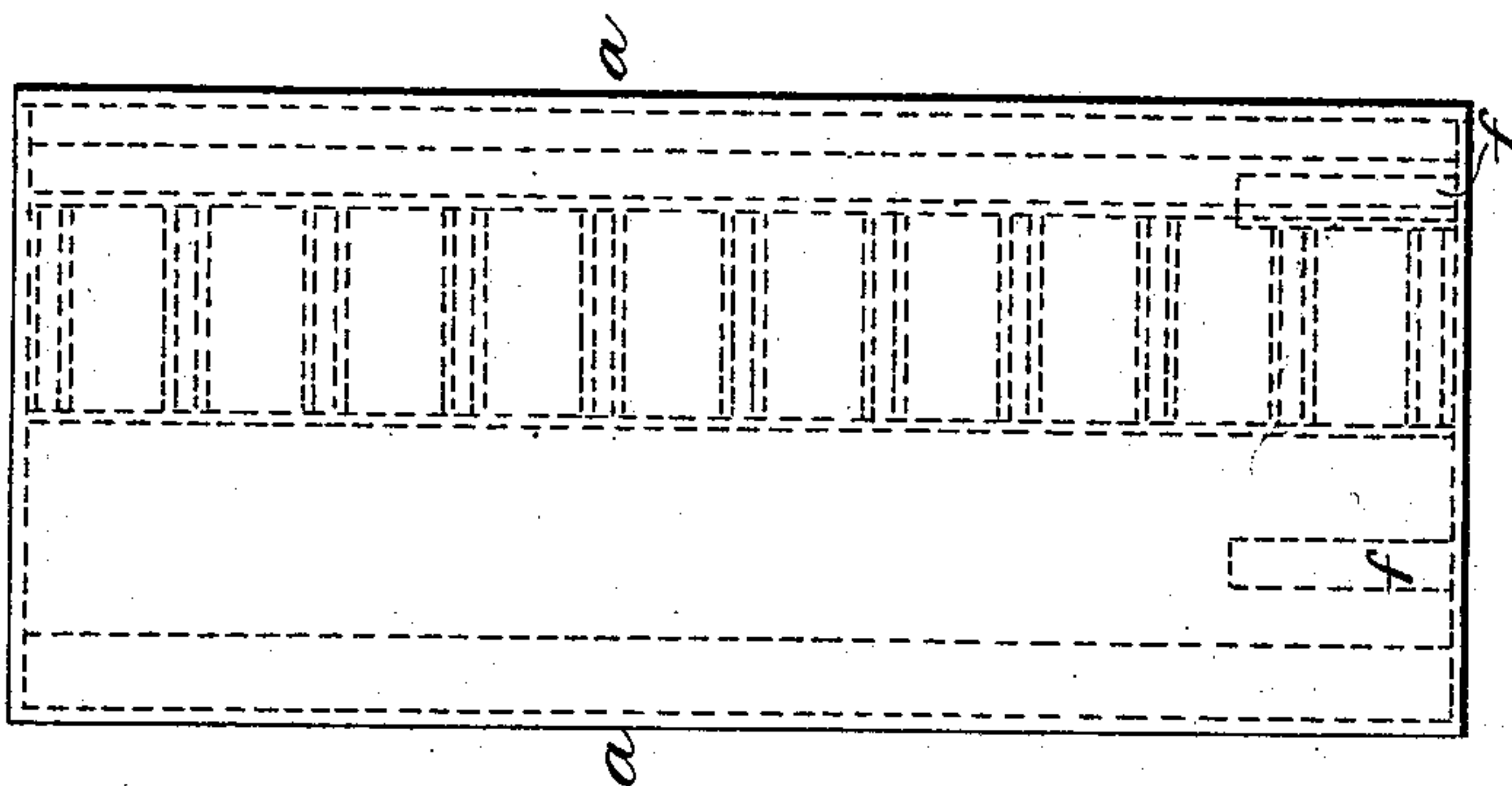
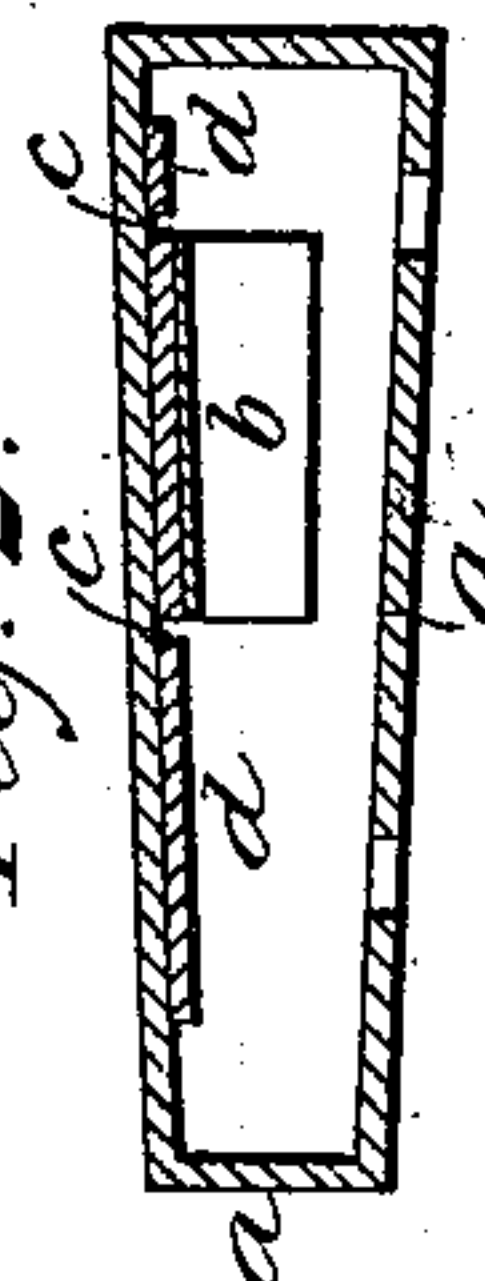


Fig. 2.



Witnesses,  
Lloyd B. Wright  
Balthus & Long.

Inventor.  
James George Accles.  
By his Attorneys.  
Baldwin Davidson & Wright.

(No Model.)

4 Sheets—Sheet 2.

J. G. ACCLES.  
CARTRIDGE FEED CASE.

No. 396,523.

Patented Jan. 22, 1889.

Fig. 9.

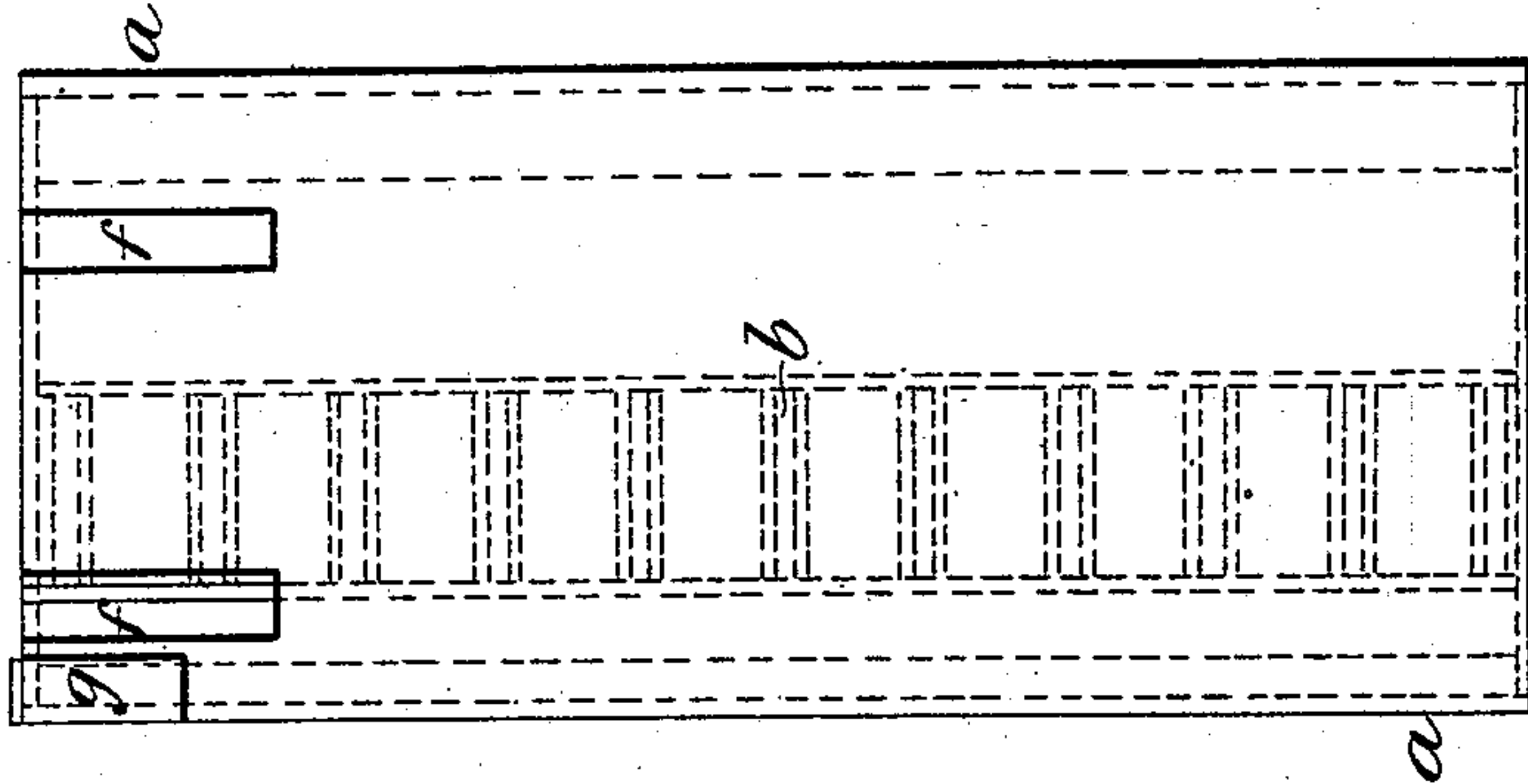


Fig. 11.

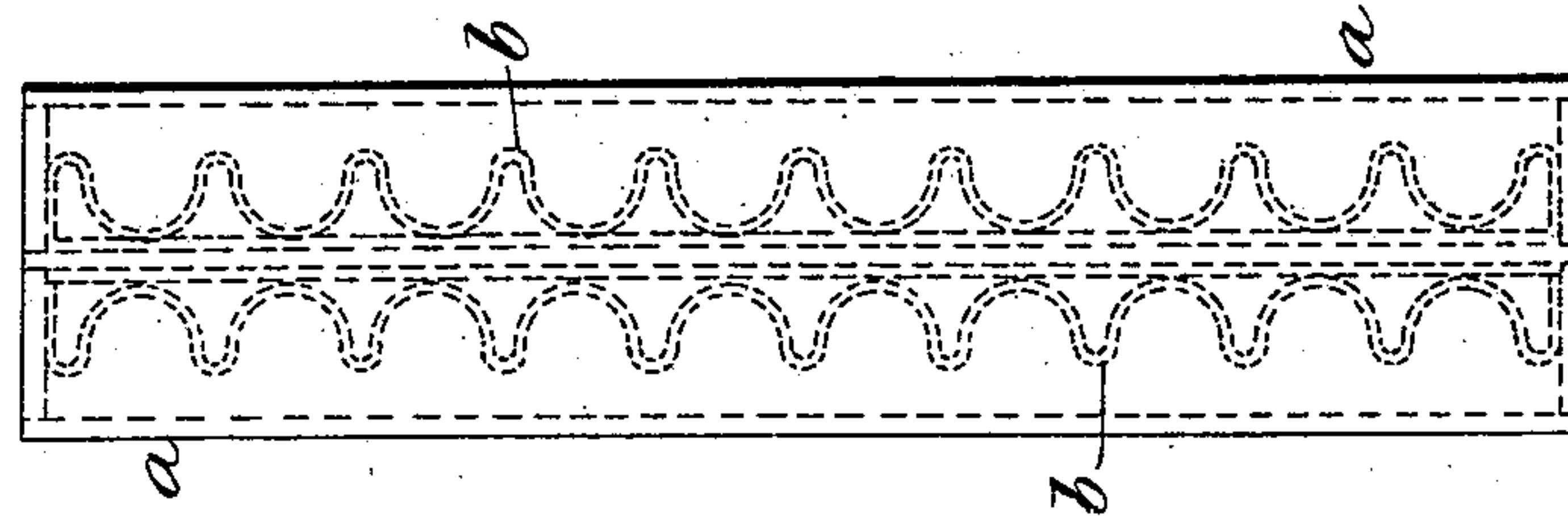


Fig. 10.

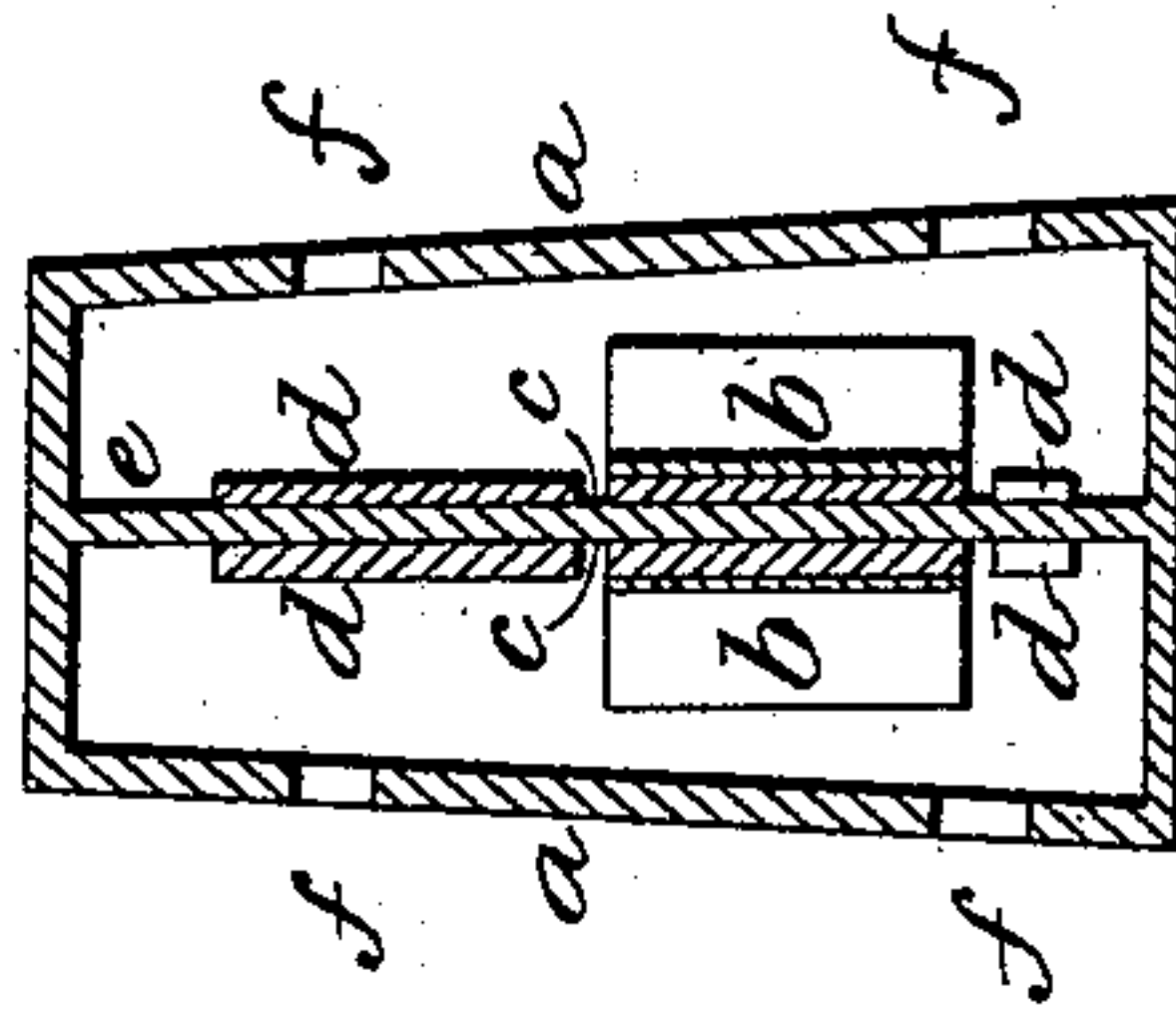
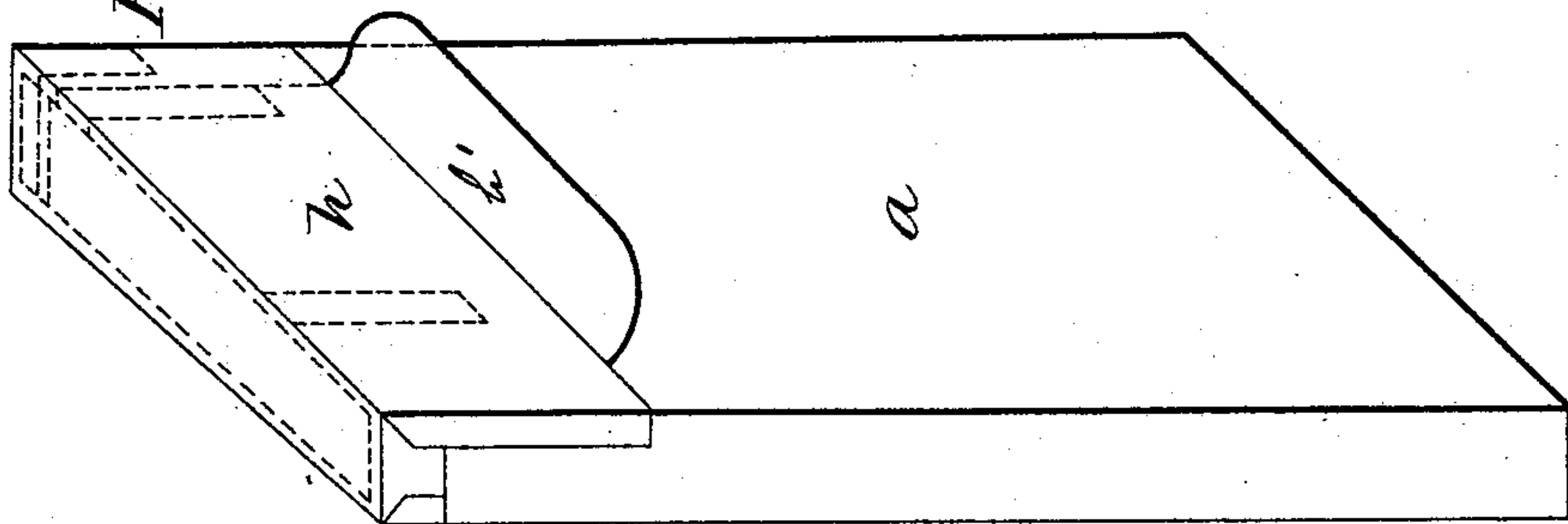


Fig. 8.



Witnesses,  
Lloyd B. Knight.  
Baltus D. Long

Inventor  
James George Accles.  
By his Attorneys—  
Baldwin Davidson & Wright.

(No Model.)

4 Sheets—Sheet 3.

J. G. ACCLES.  
CARTRIDGE FEED CASE.

No. 396,523.

Patented Jan. 22, 1889.

Fig. 17.

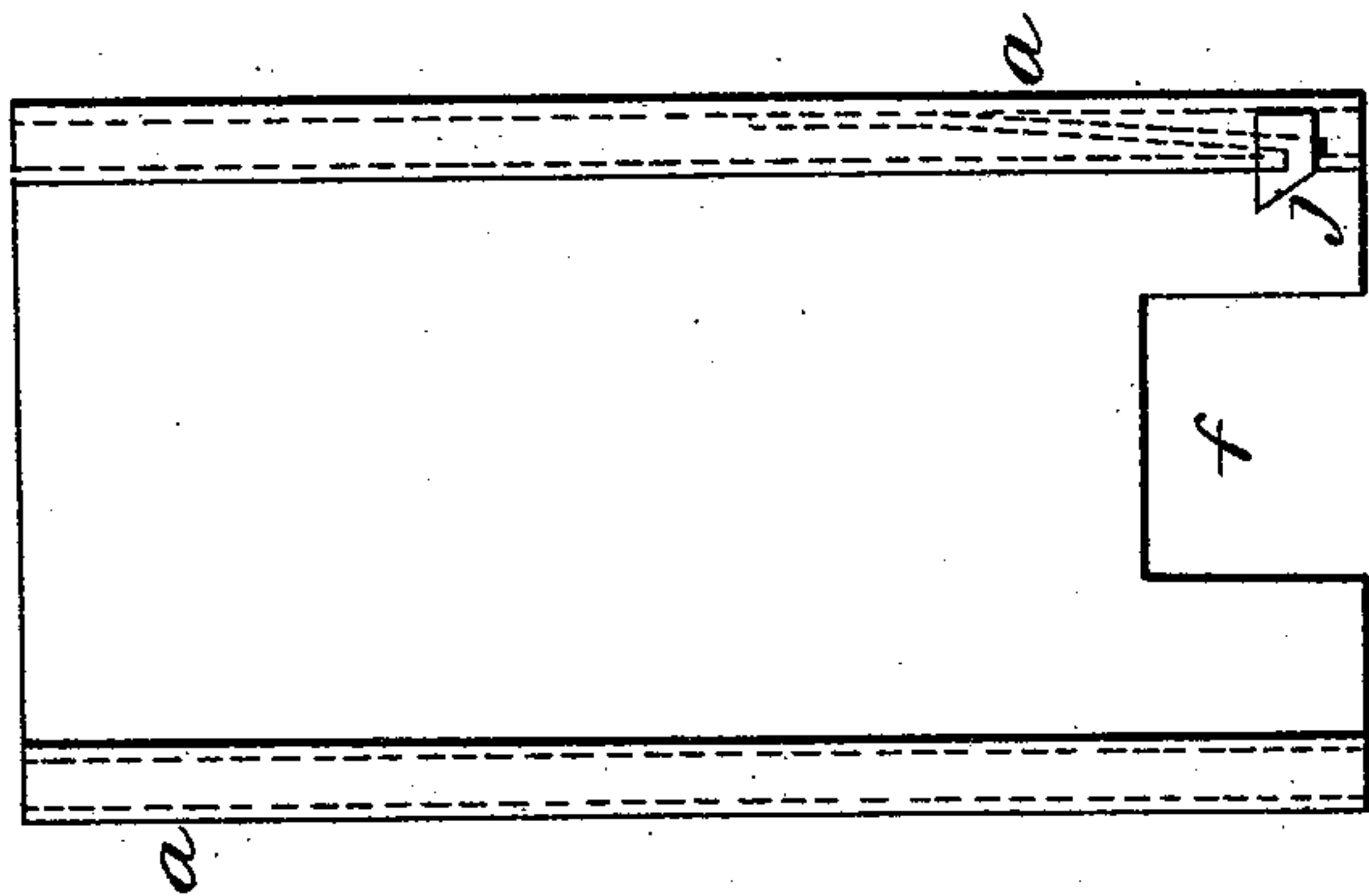


Fig. 18.



Fig. 15.

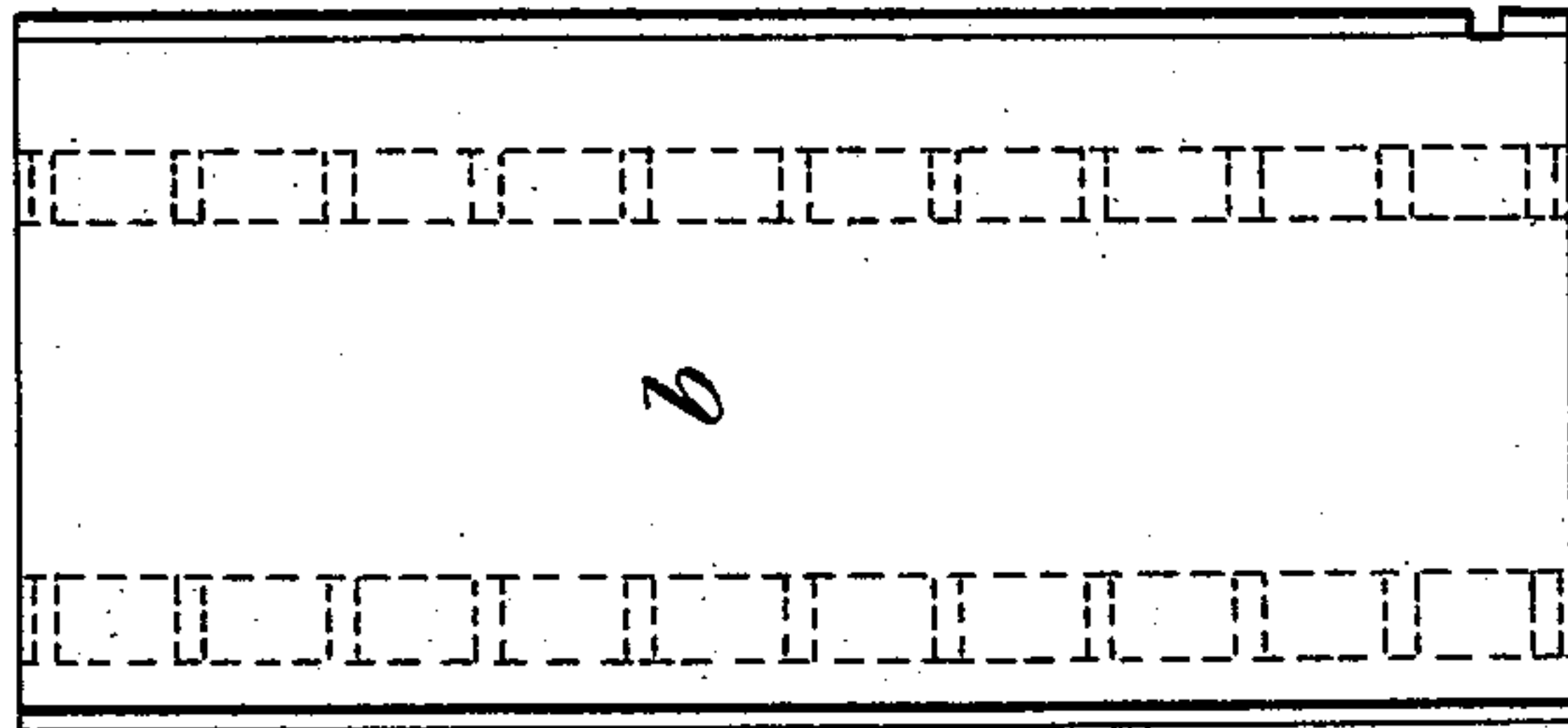


Fig. 16.



Fig. 14.

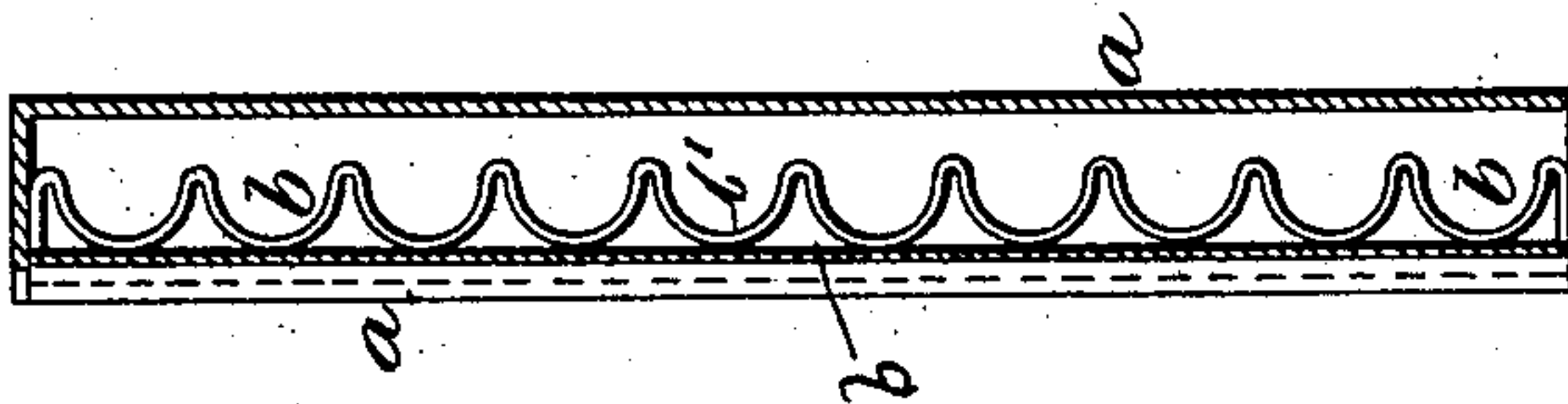


Fig. 12.

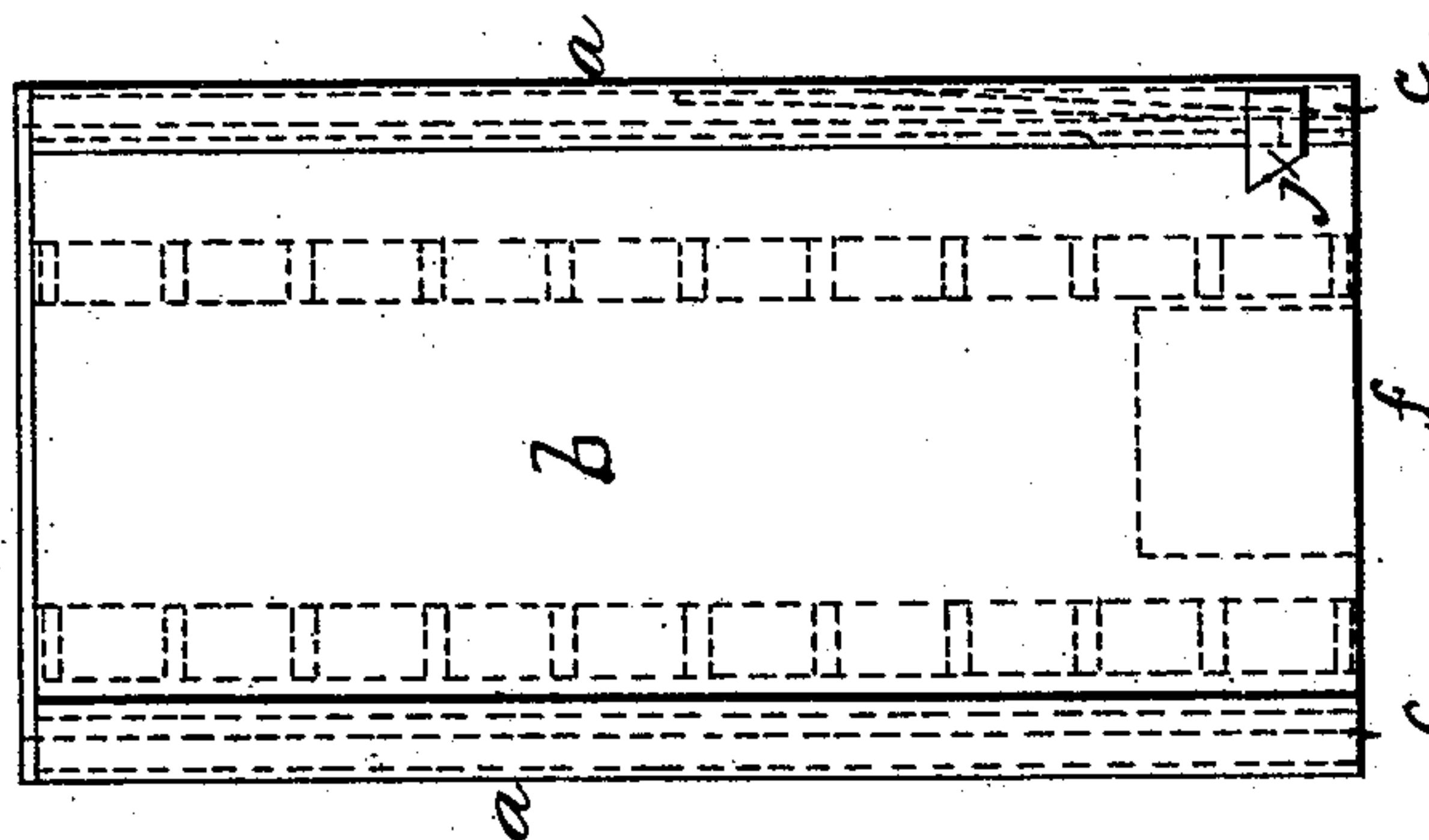
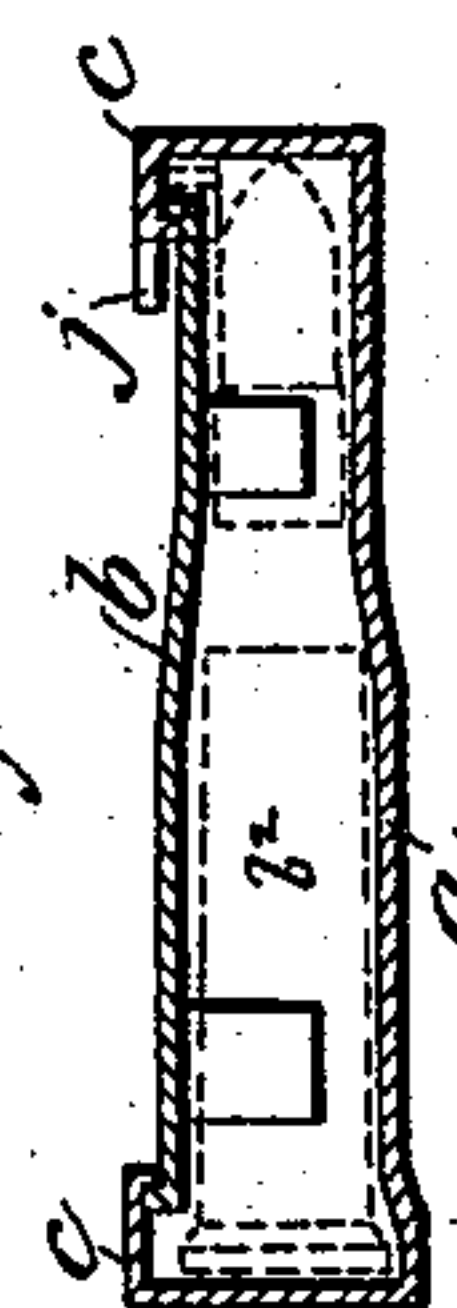


Fig. 13.



Witnesses,

Lloyd B. Wright.  
Balthus D. Long

Inventor,

James George Accles.  
By his Attorneys.

Baldwin Davidson & Wright

(No Model.)

4 Sheets—Sheet 4.

J. G. ACCLES.  
CARTRIDGE FEED CASE.

No. 396,523.

Patented Jan. 22, 1889.

Fig. 23.

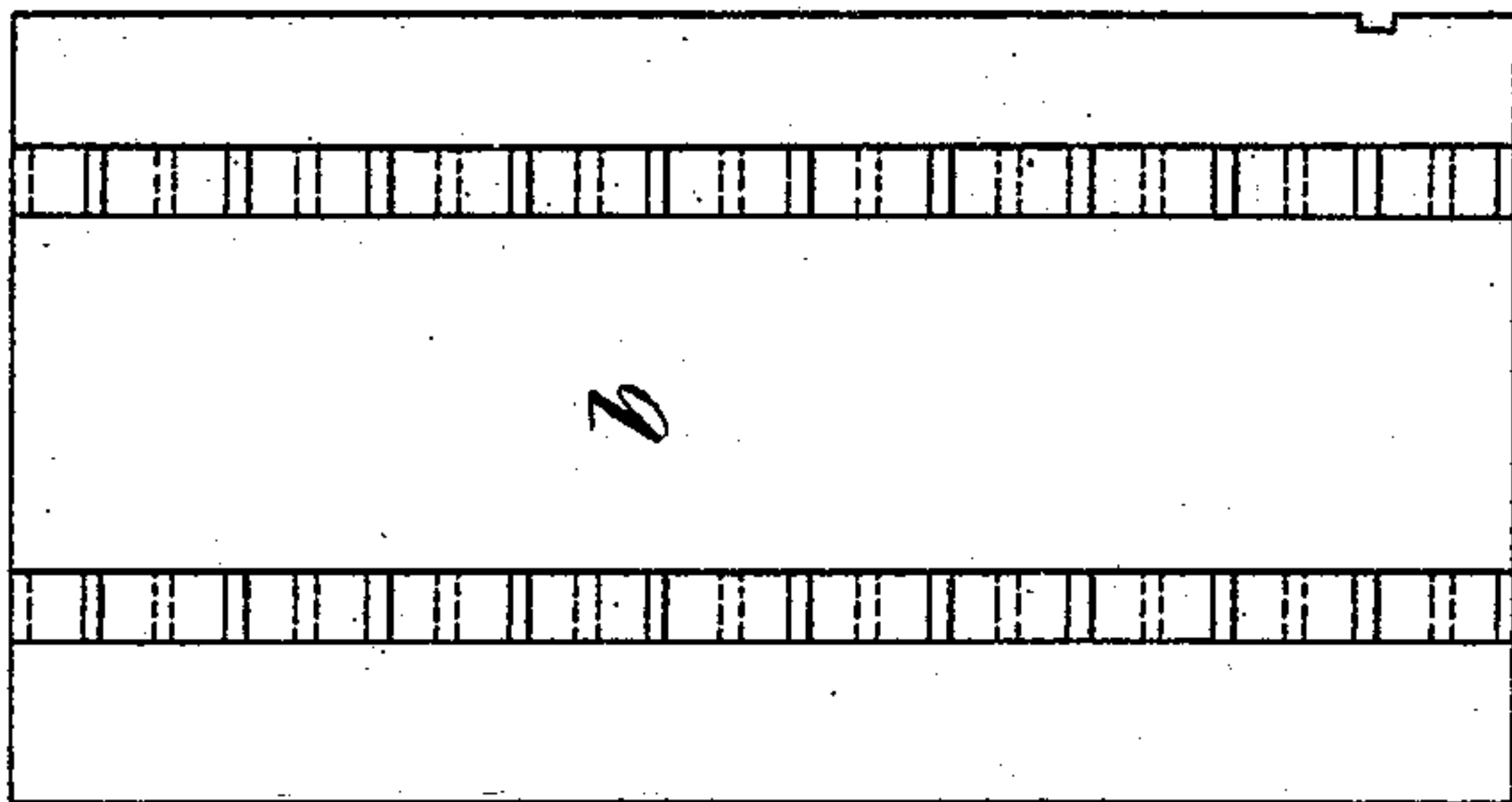


Fig. 24



Fig. 22.

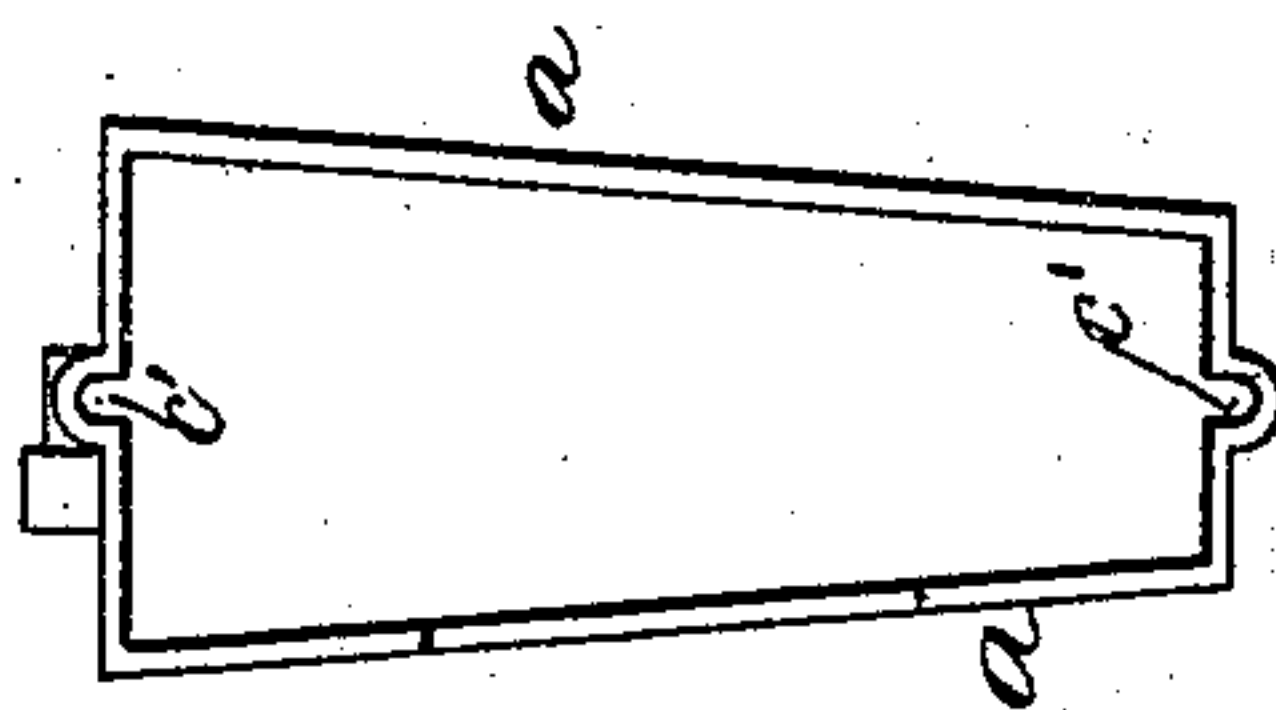


Fig. 21.

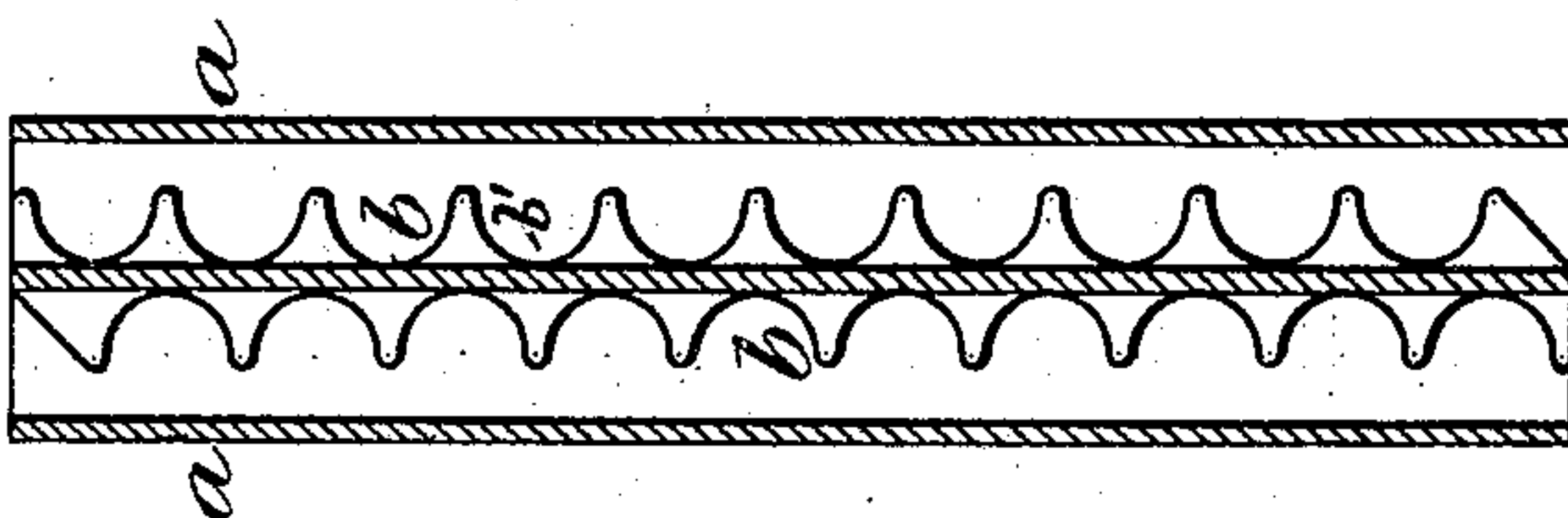


Fig. 19.

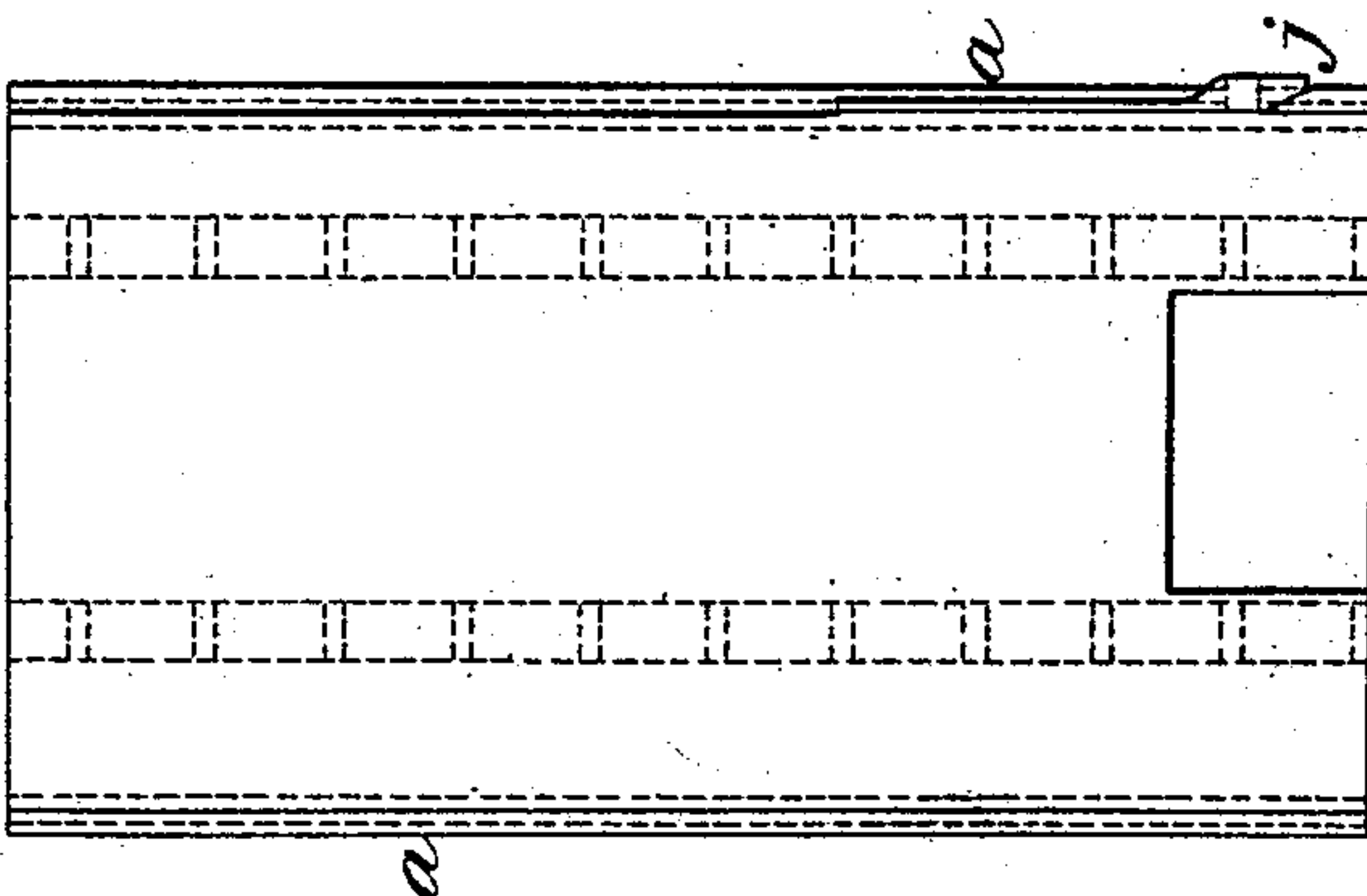
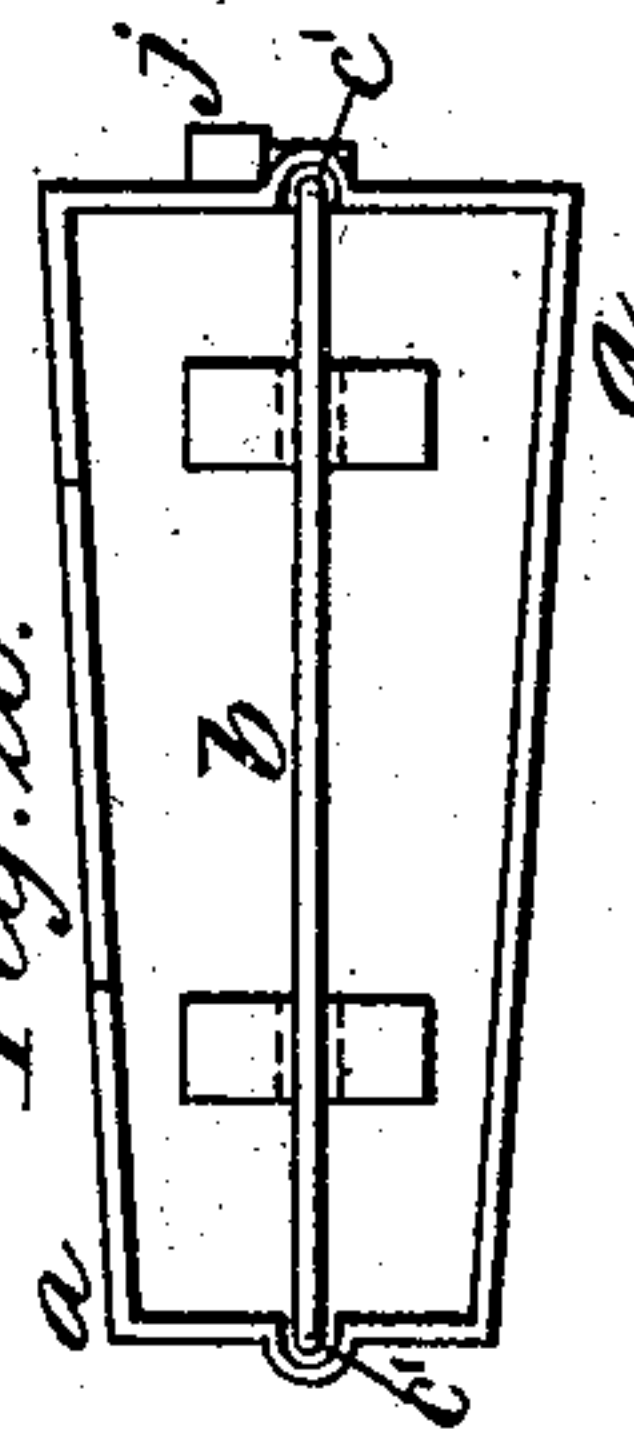


Fig. 20.



Witnesses.

Leah B. Wright  
Baltus D. Long

Inventor.

James George Accles.  
By his Attorneys -  
Baldwin Davidson & Wright



# UNITED STATES PATENT OFFICE.

JAMES GEORGE ACCLES, OF 41 CRAVEN STREET, STRAND, COUNTY OF MIDDLESEX, ENGLAND.

## CARTRIDGE-FEED CASE.

SPECIFICATION forming part of Letters Patent No. 396,523, dated January 22, 1889.

Application filed July 2, 1888. Serial No. 278,798. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES GEORGE ACCLES, a citizen of the United States of America, residing at 41 Craven Street, Strand, in the county of Middlesex, England, engineer, have invented certain new and useful Improvements in Boxes or Cases for Containing Cartridges, of which the following is a specification.

This invention relates to boxes or cases for containing cartridges, and from which they can readily be extracted, either by hand or by the mechanism of a machine, magazine, or rapid-fire gun. The cartridges lie side by side in grooves or recesses in a slide inside the box. By drawing out the slide the cartridges are pulled forward together, and are delivered one by one at the mouth of the box.

One of the sides of the box is provided with a slot or slots, through which the fingers or a feeding-wheel, claws, or other mechanism of the gun can be inserted to take hold of the cartridges in succession as they come in connection with it, and thus draw out the slide with the cartridges. The lid of the box is provided with a flap, by which it can be readily torn off. In order to prevent the slide with the cartridges from falling out when this has been done, a thin strip or strips sufficiently strong for the purpose are fastened across the mouth, but in such a way as not to present any serious impediment to the slide being drawn out by hand; or mechanical means, as above described, or a spring-catch may be employed. I provide guides on one side of the box to insure that the slide shall run straight. One box may contain two slides.

For machine-guns—such as the Gardner and Nordenfelt five and ten barreled guns—I employ boxes or cases with compartments, one for each barrel, with a slide in each compartment.

In order that my said invention may be more fully understood and readily carried into effect, I will proceed to describe the drawings hereunto annexed.

Figure 1 is a plan of a cartridge-box constructed according to my invention with the lid torn off. Fig. 2 is a transverse section, and Fig. 3 is a longitudinal section, of the

same. Fig. 4 is a side view of the slide. Fig. 5 is a plan of the same. Fig. 6 is an under side view of the box with the lid torn off. Fig. 7 is an end view of the box, and Fig. 8 is a perspective view showing the lid and flap. Fig. 9 is a plan of a double box with the lid removed. Fig. 10 is a transverse section, and Fig. 11 is a side view, of the same. Figs. 12 to 18 show in detail a modified form of box and slide. Fig. 12 is a plan view of the box. Fig. 13 is a transverse section, and Fig. 14 a longitudinal section, of the same; Fig. 15, a plan of the slide; Fig. 16, an end view of the same. Fig. 17 is a plan of the box without the slide. Fig. 18 is an end view of the same. Figs. 19 to 24 show in detail a modified form of a double box and slide. Fig. 19 is a plan view of the box. Fig. 20 is an end view, and Fig. 21 is a longitudinal section, of the same. Fig. 22 is an end view of the box with the slide removed. Fig. 23 is a plan of the slide, and Fig. 24 is an end view of the same.

Referring first to Figs. 1 to 8, inclusive, of the drawings, *a* indicates the cartridge-box, which is preferably oblong, as shown, and conforms approximately in cross-section to the shape of the cartridges, which lie lengthwise across the interior of the box.

*b* indicates the slide, which may be made of card-board or any other suitable material. In this instance, however, the slide *b* is preferably made of a strip of card-board, the upper face being straight and flat, and the lower face corrugated or formed with a series of recesses or grooves, *b'*, to receive the cartridges *b<sup>2</sup>*. The slide *b* preferably extends the entire length of the box *a*, and is free to slide therein in a groove, *c*, formed by strips of card-board *b*, secured to the under side of the top of the box, as shown particularly in Fig. 2. One end of the box is permanently closed, while the other is provided with a cover, *h*, provided with a flap, *h'*, by which it can be readily torn off.

On the under side of the box, near its front end, slots *f* are provided to allow the cartridges to be taken hold of one by one with the fingers or by the feeding mechanism of a gun. These slots extend from the front end of the box backwardly a sufficient distance to allow of the front cartridge being taken



hold of. As one cartridge is drawn out through the front of the box, it pulls the slide forward, so that when the front cartridge is removed the next one is in position to be re-

5 moved.

A strip, *g*, of some yielding material, is secured to either the top or the bottom of the box and overlaps the front end to prevent the cartridges dropping out or being with-  
10 drawn except when positively moved. The strip *g* is beneath the temporary cover, as indicated by dotted lines in Fig. 8.

In Figs. 9, 10, and 11 I have shown a double box. The formation of each section of the  
15 double box is quite similar to the formation of the single box shown in Figs. 1 to 8, inclusive. In this instance the box *a* is provided with a central longitudinal partition, *e*. Strips *d* are secured on each side of the partition,  
20 and between the strips are formed grooves *c*, in which the slides are guided. The box at its front end is provided on each side with slots *f* and with yielding retaining-strips *g*.

In Figs. 12 to 18, inclusive, the details of a  
25 modified form of box are shown. The main body of the box *a* is oblong, the bottom conforming, approximately, to the shape of the cartridges, its width being about the length of the cartridge. The sides of the box are flanged  
30 at the top to form guides at *c* for the slide *b*, which is provided with corrugated or recessed strips which engage with the cartridges. In the slide *b* at the front end of the box a slot, *f*, is provided, so that the front cartridge may  
35 be taken hold of and removed, drawing with it the slide and the remaining cartridges. In this instance, instead of the strip *g* described above, I employ a detent, *j*, for preventing the  
40 cartridges from falling out.

In Figs. 19 to 24, inclusive, a further modi-

fication is shown, the details of a double box being represented. Here the box *a* is substantially the same shape as that shown in Fig. 10, except that recesses *c'* are provided in the  
45 sides of the box, in which the slide *b* works. The slide *b* is provided with grooves or recesses on opposite sides to accommodate two sets of cartridges. A slot, *f*, is formed on each side of the front of the box for removing the  
50 cartridges through the front.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

1. The combination of a cartridge box or  
55 case and a slide or slides within the box, provided with grooves or recesses in which the cartridges lie, and adapted to be withdrawn longitudinally from the box, substantially as  
60 and for the purpose set forth.

2. The combination of the cartridge-box, the longitudinally-adjustable cartridge-carrying slide, the removable cover on the front end of the box, the flap at the end of the cover, and the flexible or yielding retainer beneath the  
65 cover, secured to the box and engaging with the cartridges, substantially as set forth.

3. The combination of the cartridge-box having a slot, *f*, at its front end to permit of the removal of the cartridges one at a time, 70 the cartridge-carrying slide moving longitudinally in the box, the yielding retaining device on the front end of the box, and the cover for closing the front end of the box, substantially as set forth.

JAMES GEORGE ACCLES.

Witnesses:

HERBERT E. DALE,

PERCY K. WOODWARD,

Both of 17 Gracechurch Street, London, E. C.