

(No Model.)

G. L. JAEGER.

PAPER BOX.

No. 292,654.

Patented Jan. 29, 1884.

Fig. 1.

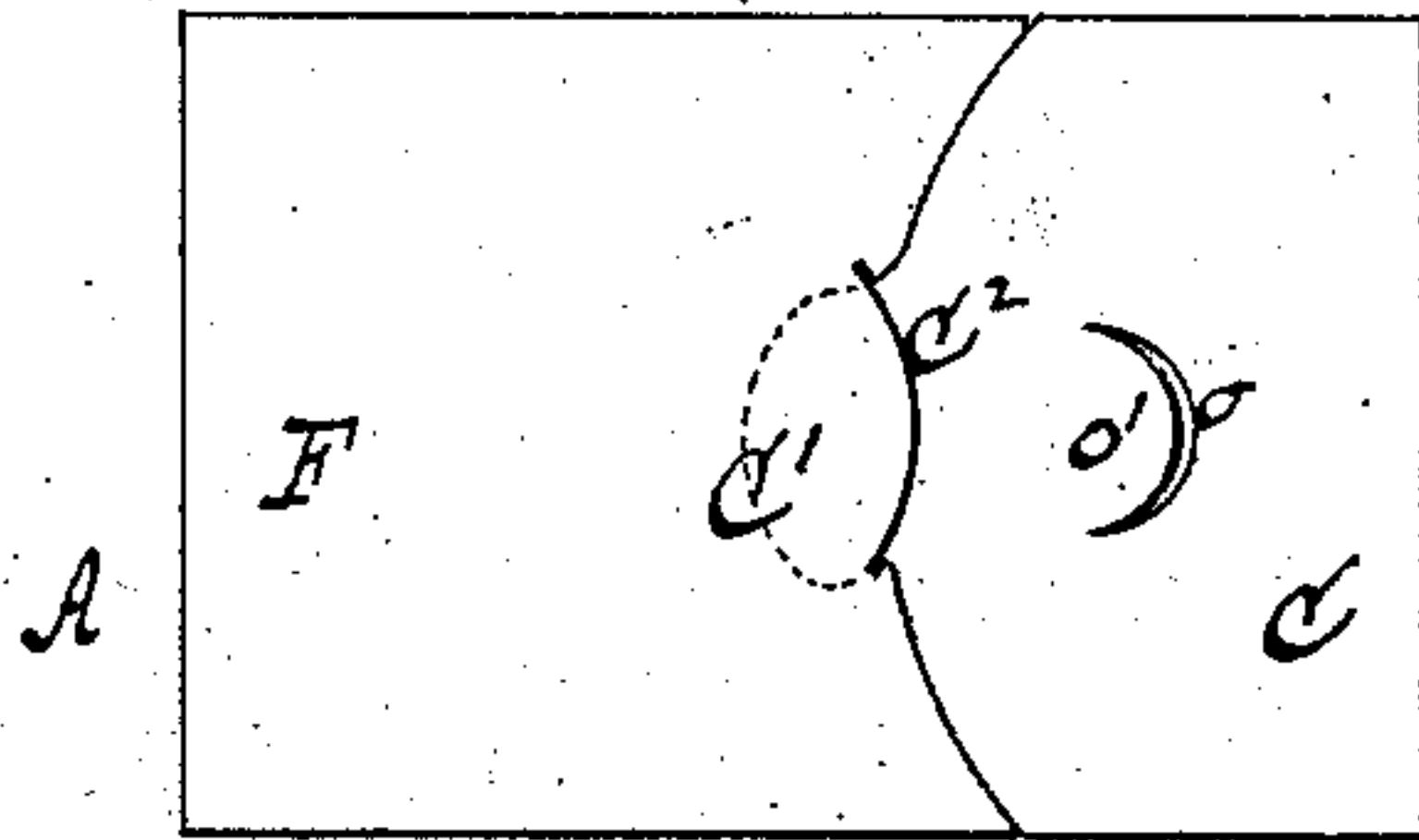


Fig. 2.

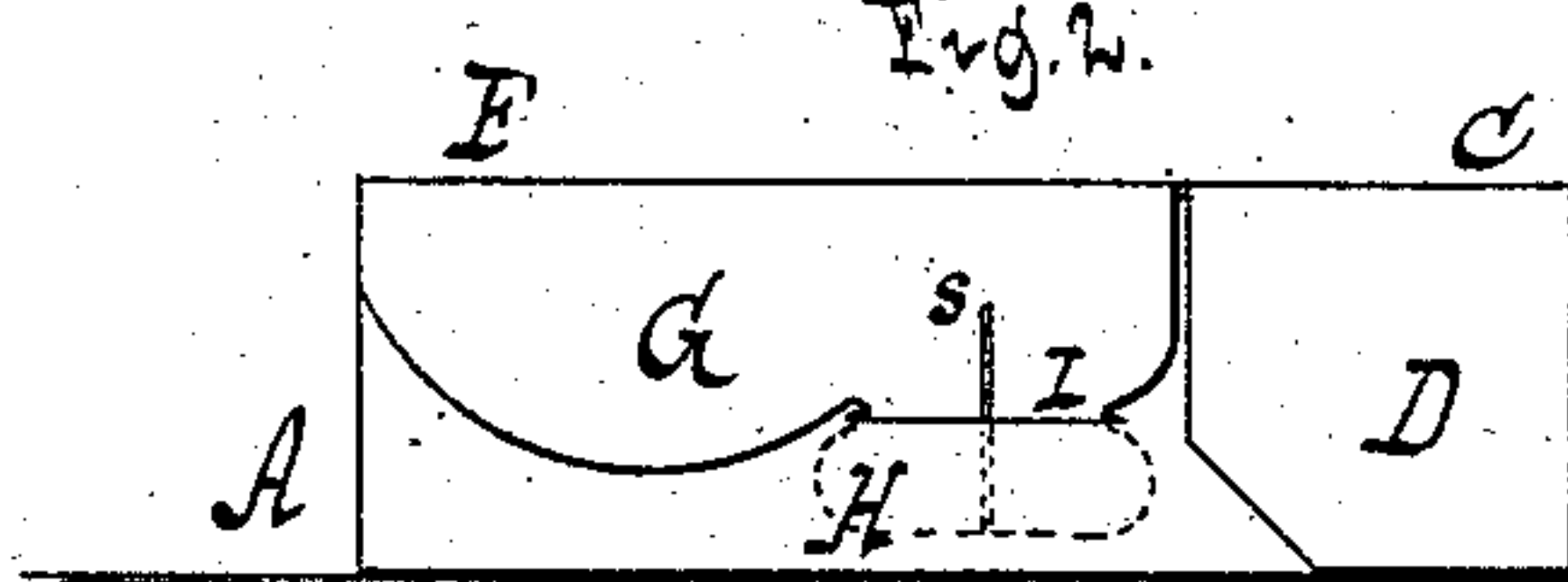


Fig. 3.

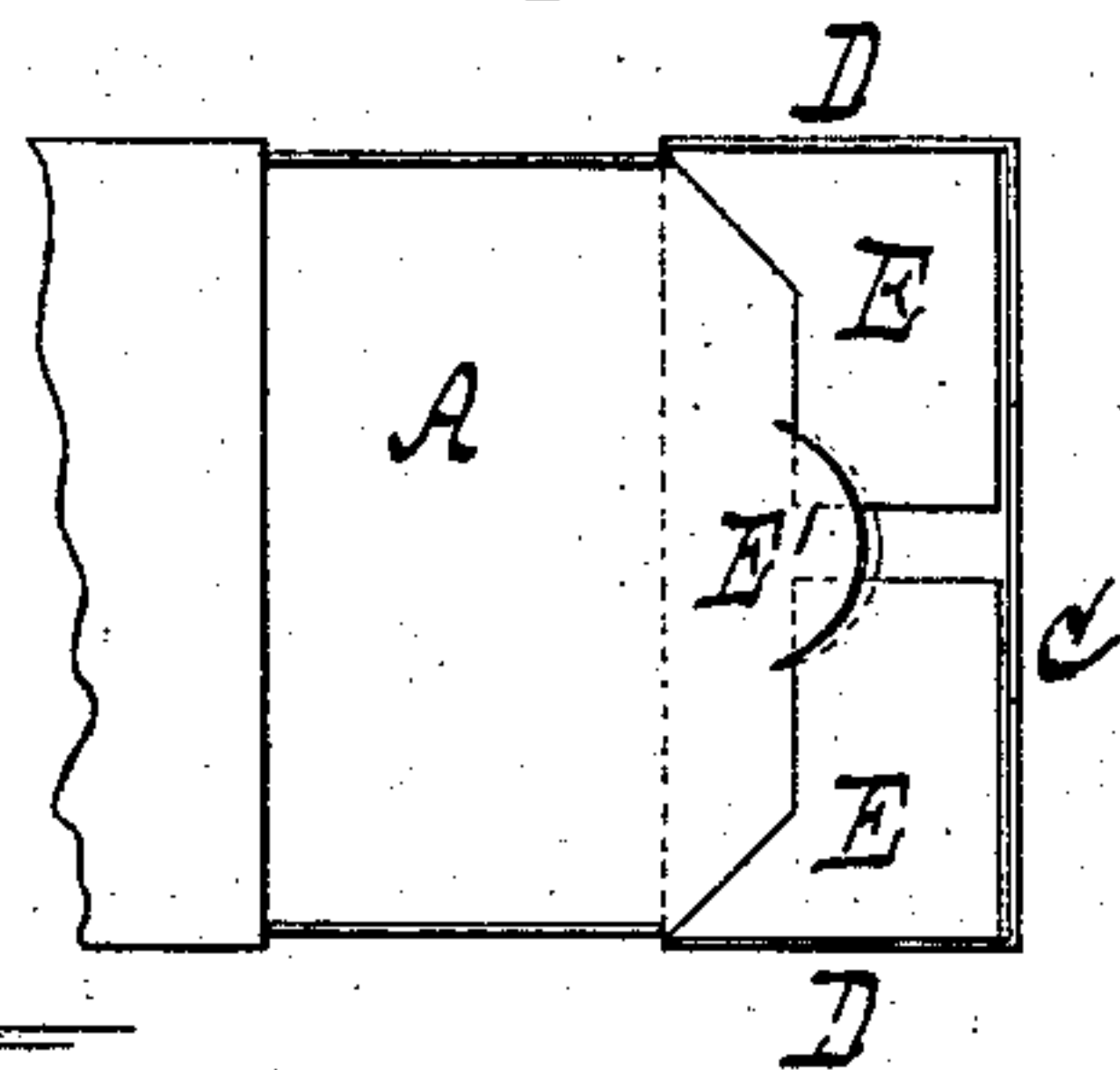


Fig. 4.

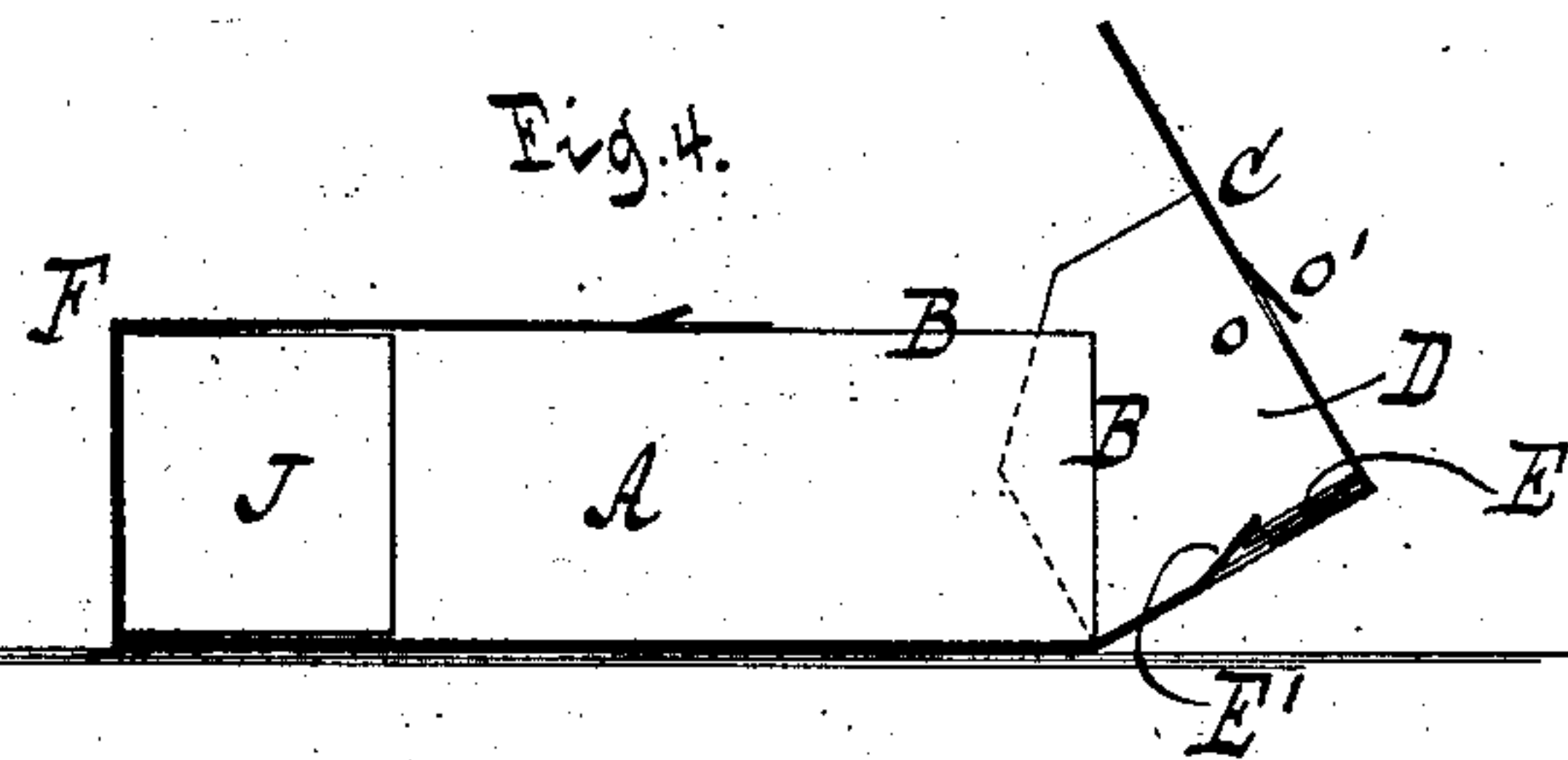


Fig. 5.

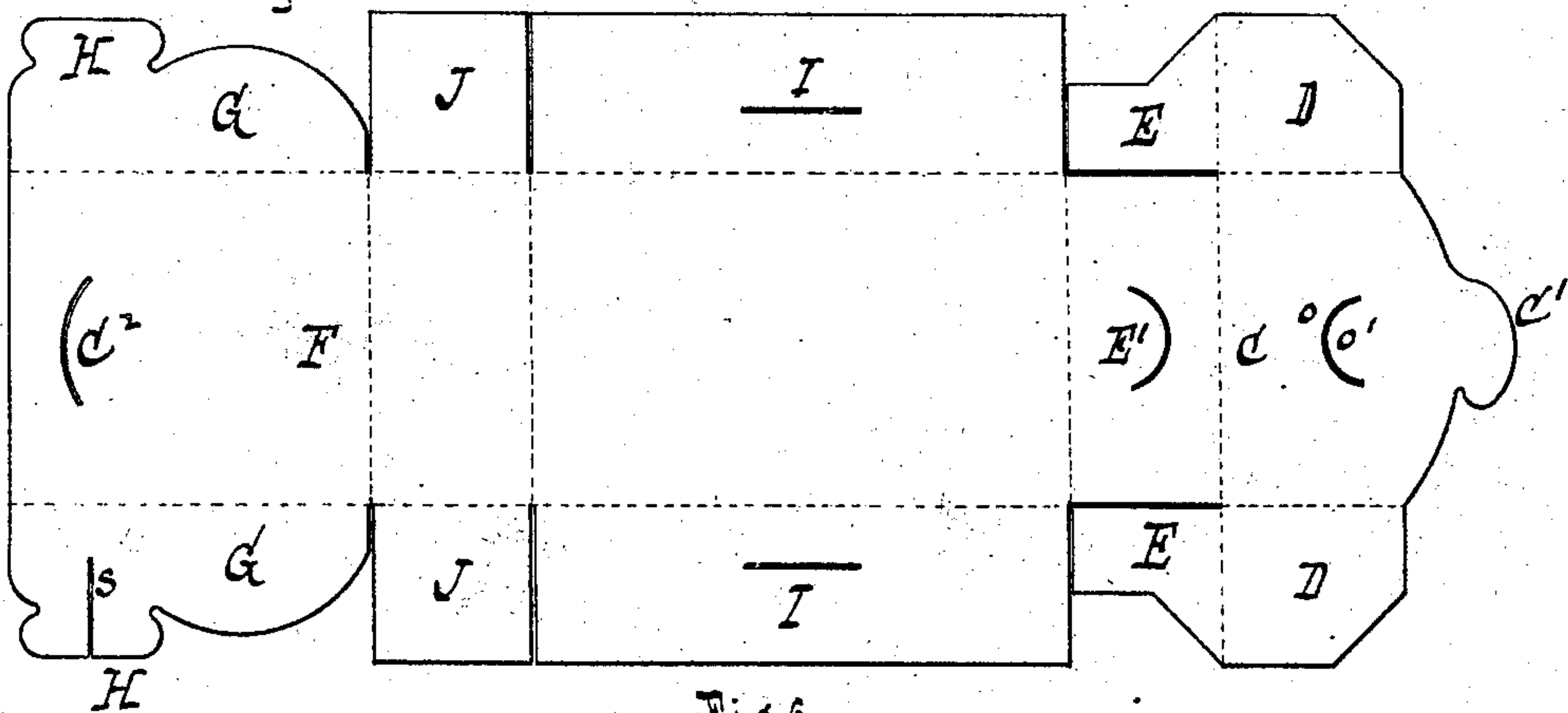
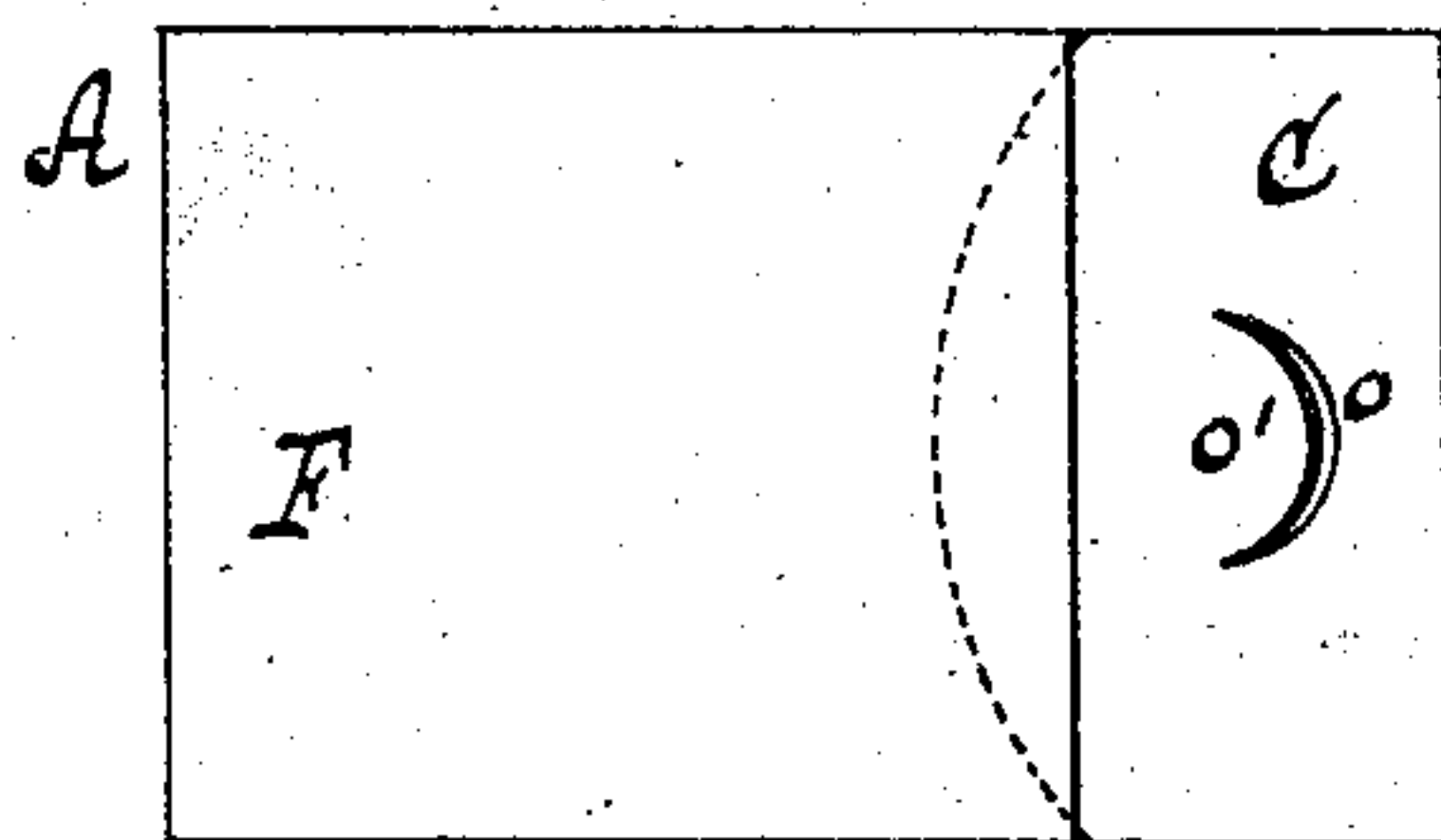


Fig. 6.



Witnesses  
Otto Hufeland  
William Miller

Inventor  
Gustav L. Jaeger  
by Van Sesterhout & Hauff  
his attys.

# UNITED STATES PATENT OFFICE.

GUSTAV L. JAEGER, OF NEW YORK, N. Y.

## PAPER BOX.

SPECIFICATION forming part of Letters Patent No. 292,654, dated January 29, 1884.

Application filed November 8, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, GUSTAV L. JAEGER, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Paper Boxes, of which the following is a specification.

This invention relates to paper boxes or packages for cigarettes, matches, and other similar articles, and has for its object to provide a strong, durable, and desirable article, which I accomplish in the manner and by the means hereinafter described, and specifically pointed out in the claims, reference being had to the accompanying drawings, in which—

Figure 1 is a top view of a box embodying my invention, the article being closed. Fig. 2 is a side view thereof. Fig. 3 is a top view, showing the box open. Fig. 4 is a longitudinal section. Fig. 5 is a plan view of the blank composing the box. Fig. 6 illustrates a modification.

Similar letters indicate corresponding parts.

The letter A designates the body of the box, which is, in this example, of substantially rectangular shape or outline, and the opening of which is on one end and a portion of the top adjacent to such end thereof, as shown in Fig. 4 at B.

The letter C indicates a flap, properly bent for closing the box-opening. This closing-flap C extends from the bottom of the box at the proper point, and is constructed with a hook, C', to engage the top of the box, this hook being inserted into a slit, C<sup>2</sup>, of the top, as shown in Fig. 1; or the flap may be constructed to simply enter beneath the top to engage the latter, as shown in Fig. 6.

In a central line of the top of the closing-flap C is a slit, o, preferably curved, to form a thumb-piece, o', and on such flap are formed cheeks D, which, when the flap is put in place, embrace the sides of the box at points opposite to the top portion of the box-opening, as shown in Fig. 2. On the closing-flap C are also formed ears E, which are turned inward at points opposite to the end of the box, and are held in position by means of a tongue, E', beneath which the ears are adjusted, as shown in Figs. 3 and 4, the tongue being formed by making a slit in the flap at the proper place.

The top and the closed end of the box are

both composed of a flap, F, properly bent, and on this flap are formed cheeks G, which embrace the sides of the box, similar to the cheeks of the closing-flap D. Said cheeks G of the top and end flap, however, are united to the sides of the box, the means employed for this purpose consisting of a double hook, H, formed on the cheeks, respectively, and a slit, I, formed in the box sides to receive and engage the hook, the latter being made elastic by a slit, s, extending inwardly at a point intermediate of the jaws of the hook. On the top and end flap, F, are also formed ears J, which are turned inward at right angles opposite to the box end to lie against the box sides on the interior of the box, they being usually left detached.

It will be perceived that by arranging the closing-flap C to engage the top of the box it is shut sufficiently tight for any general purpose, while it may be readily thrown back to expose the contents of the box.

The purpose of the thumb-piece o' is to facilitate the act of opening and closing of the flap C, and when the flap-hook C' is used this thumb-piece is especially advantageous, inasmuch as the hook may be conveniently adjusted into or withdrawn from the slit C<sup>2</sup> by taking hold of the thumb-piece.

The purpose of the cheeks D of the closing-flap, as well as the cheeks G of the top and end flap, is to strengthen the sides of the box, the cheeks G also serving to secure the top and end flap to the box sides.

The purpose of the ears or turned-in portions E of the closing-flap is to re-enforce such flap, and that of the ears J of the top and end flap to assist in supporting the box sides, and by the arrangement of the ears E under the tongue E' of the closing-flap they are kept in place without gumming.

The double hook H, together with the slit I, is a convenient means not only for connecting the cheeks G to the box sides, but also for connecting other parts of a paper box, it forming an extremely secure fastening without the use of gum.

In the example shown the thumb-piece o' is formed in the top portion of the closing-flap C; but it may be formed at any other suitable point, substantially in the central line thereof, and, instead of being curved, it may be angular.

By referring to Fig. 5 it will be seen that the



entire box can be made from a single blank cut out and folded in the proper manner, and this construction thereof forms an important feature of my invention.

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

1. A paper box having its opening at one end and at a portion of the top adjacent to that end, and provided with a closing-flap constructed at its free edge to engage the box top, and having a tongue-piece at or near its central line, a cheek-piece attached to each of its sides, and an ear-piece forming part of each cheek-piece and lying back on the closing-flap, 10 and both ear-pieces engaged by the tongue-piece, said cheek-pieces of the closing-flap embracing the sides of the box, substantially as described.

2. A paper box having its opening at one end and at a portion of the top adjacent to that end, and provided with a closing-flap, C, constructed at its free edge, to engage the box top, and having slots at or near its central line, forming, respectively, the tongue-piece E' and thumb-piece o', said closing-flap also having 25 at each side a cheek-piece, D, joined to an ear-piece, E, turned back on the closing-flap, and both ear-pieces engaged by the tongue-piece, the cheek-pieces moving with the re-enforced flap to embrace the sides of the box, substantially as described.

3. A paper box having its opening at one end and at a portion of the top adjacent to that end and the slit C<sup>2</sup> in its top, and provided 35 with the closing-flap C, having hook C' on its free edge and a thumb-piece, o', back of such hook, substantially as described.

4. A paper box having its opening at one end and slots I in its opposite sides, and pro-

vided at one end with a flap, F, having at each side a cheek-piece, G, provided with a hook, H, respectively engaging the side slots, and at the other end with a closing-flap, C, having its free edge constructed to engage the flap F, substantially as described. 45

5. A paper box having its opening at one end and slots I in its opposite sides, and provided at one end with a flap, F, having the slot C<sup>2</sup>, and a cheek-piece, G, at each side, provided with a hook, H, respectively engaging 50 the side slots, and at the other end with a closing-flap, C, having its free edge provided with the hook C' to engage the slot in the flap F, substantially as described.

6. A paper box having slots I at its opposite sides and at one end provided with ears J, resting against the slotted sides, and the flap F, having a slot, C<sup>2</sup>, and cheek-pieces G, each having a double hook, H, engaging one of the side slots, and at its other end provided with 60 a closing-flap, C, having cheek-pieces D, a thumb-piece, o', and a hook, C', at its free edge to engage the slot in the flap F, substantially as described.

7. A paper box made from a single blank, 65 having slots I in its sides, the flap F, constructed with cheek-pieces G, provided with hooks H, and the closing-flap C, provided with cheek-pieces D, and with means to engage the said flap F, substantially as described. 70

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

GUSTAV L. JAEGER. [L. S.]

Witnesses:

W. HAUFF,

CHAS. WAHLERS.