

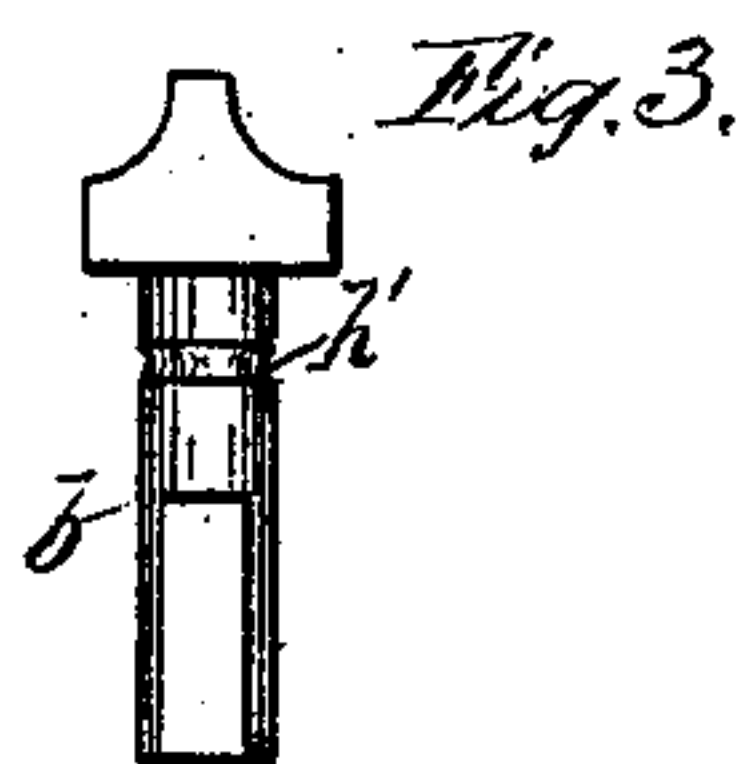
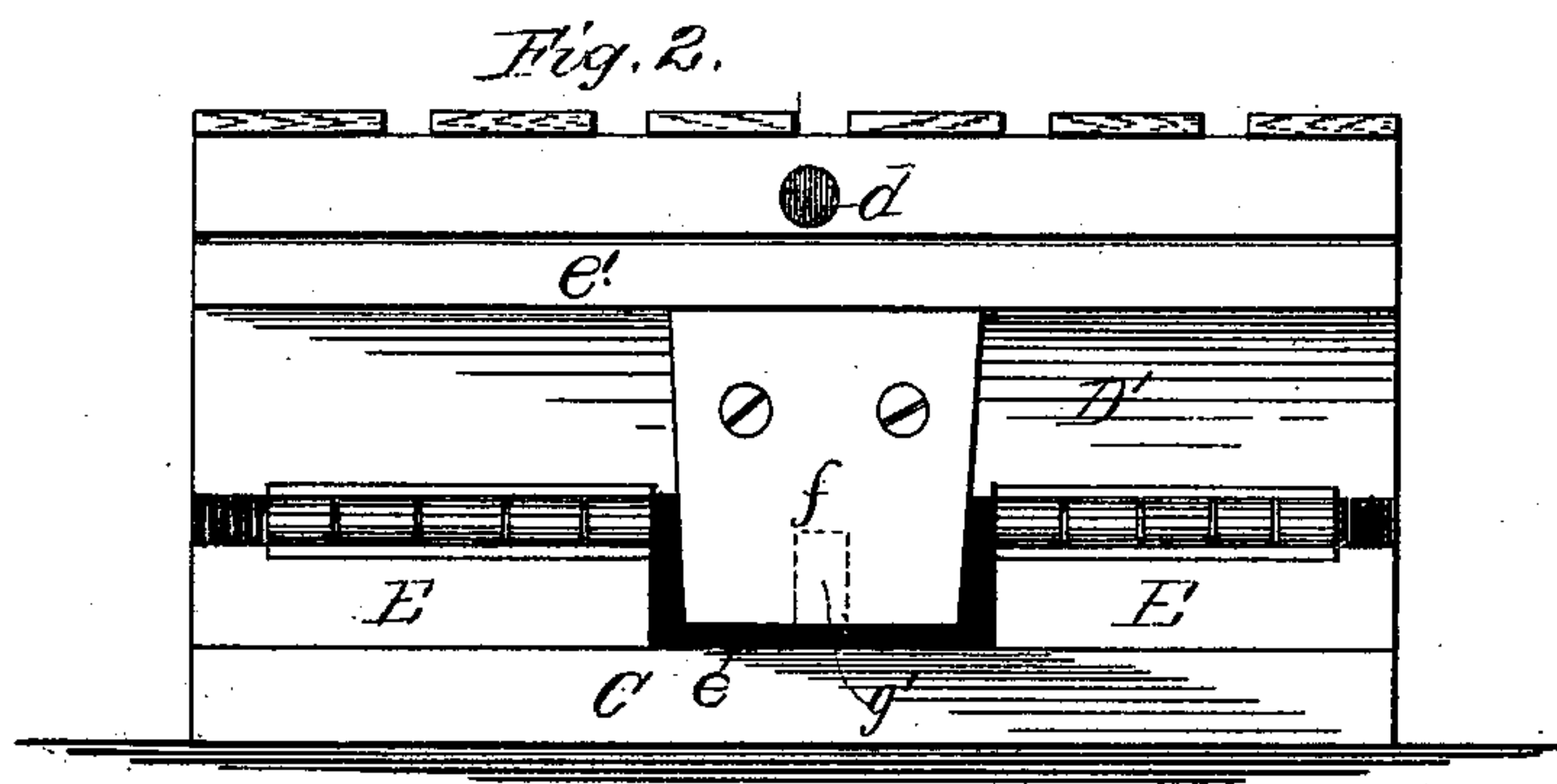
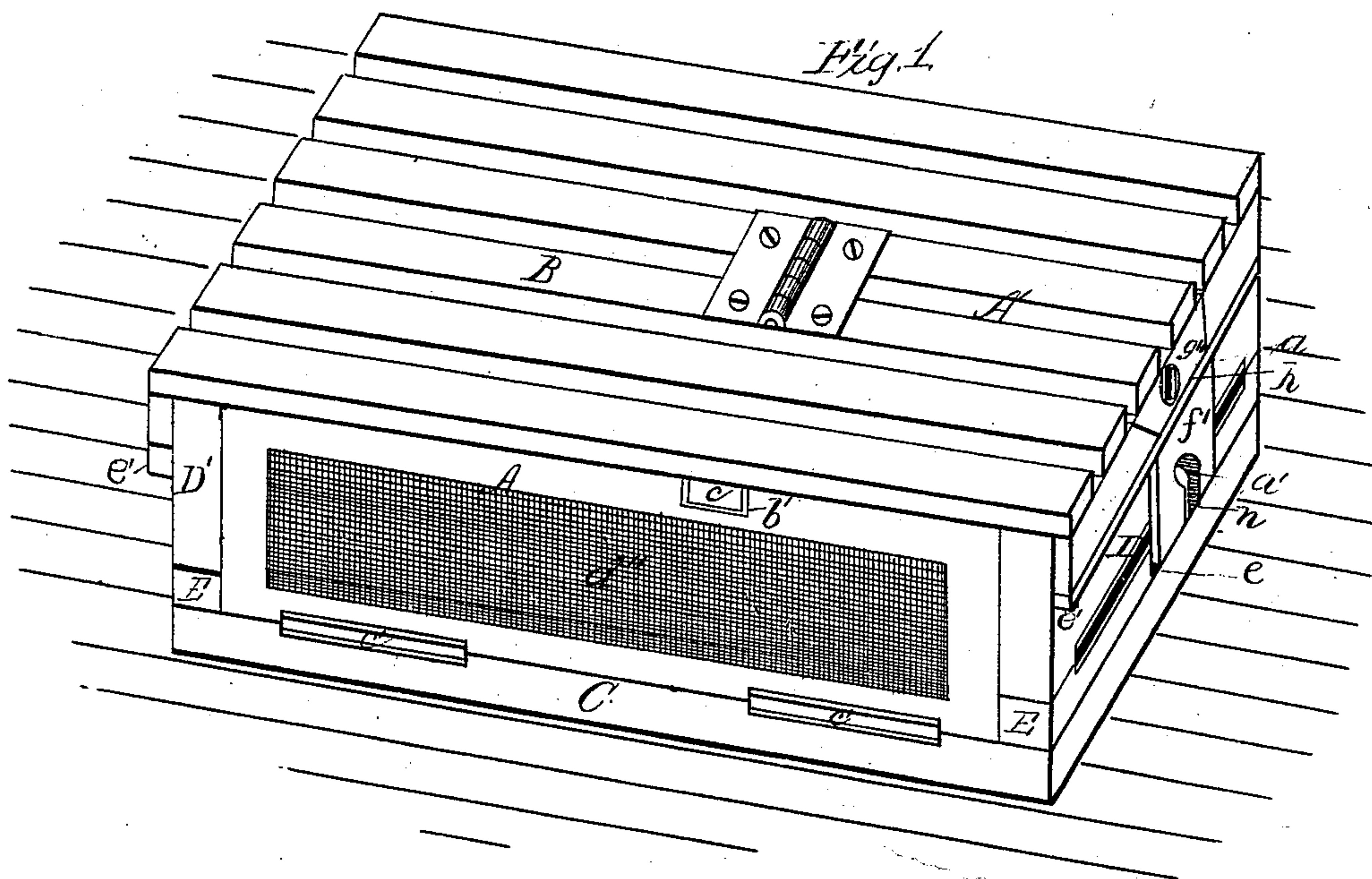
(Model.)

3 Sheets—Sheet 1.

W. ADAIR.  
Folding Shipping Coop.

**No. 230,388.**

**Patented July 27, 1880.**



**WITNESSES**

Will R. Cushman  
J. A. Woodworth

INVENTOR

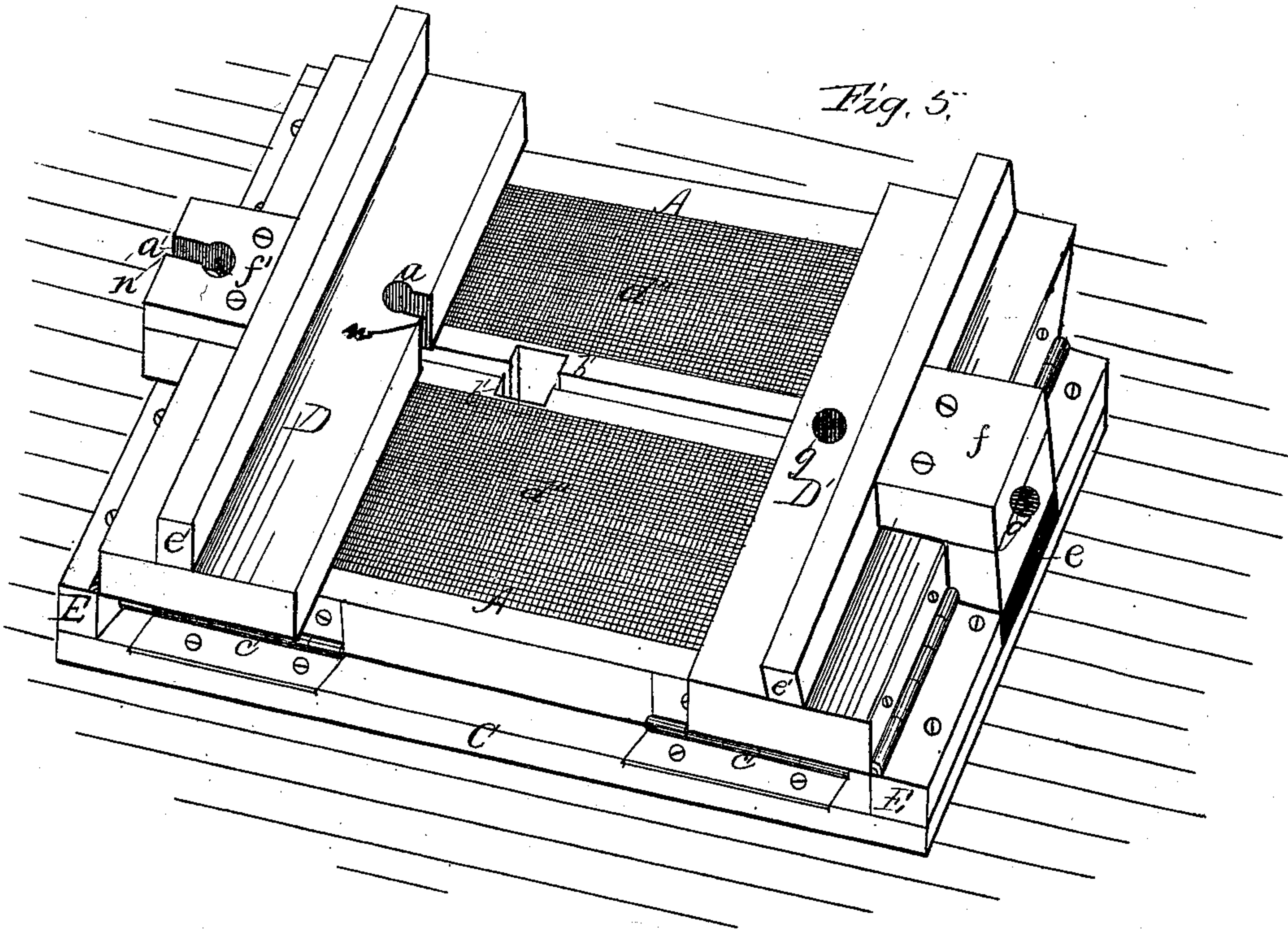
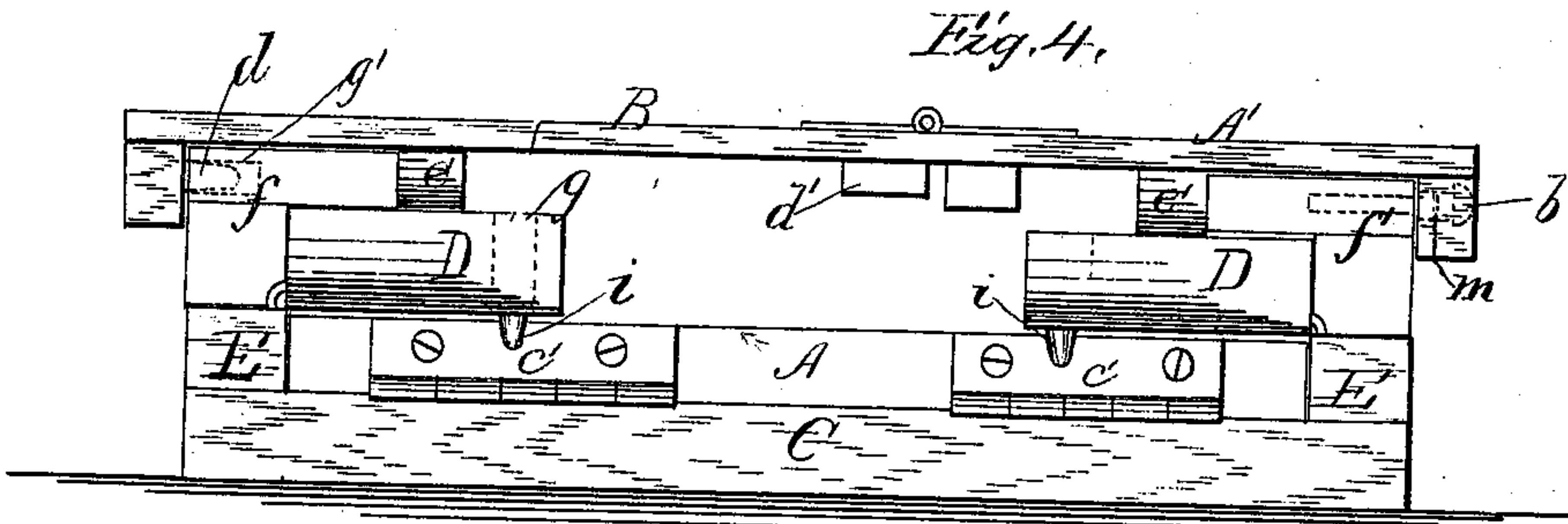
INVENTOR  
*Will Adair*  
*By Myer & Co*  
 ATTORNEYS.

ATTORNEYS.

(Model.)

3 Sheets—Sheet 2.

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WITNESSES

Will B. O'Connell  
J. A. Woodworth

INVENTOR

Will Adair  
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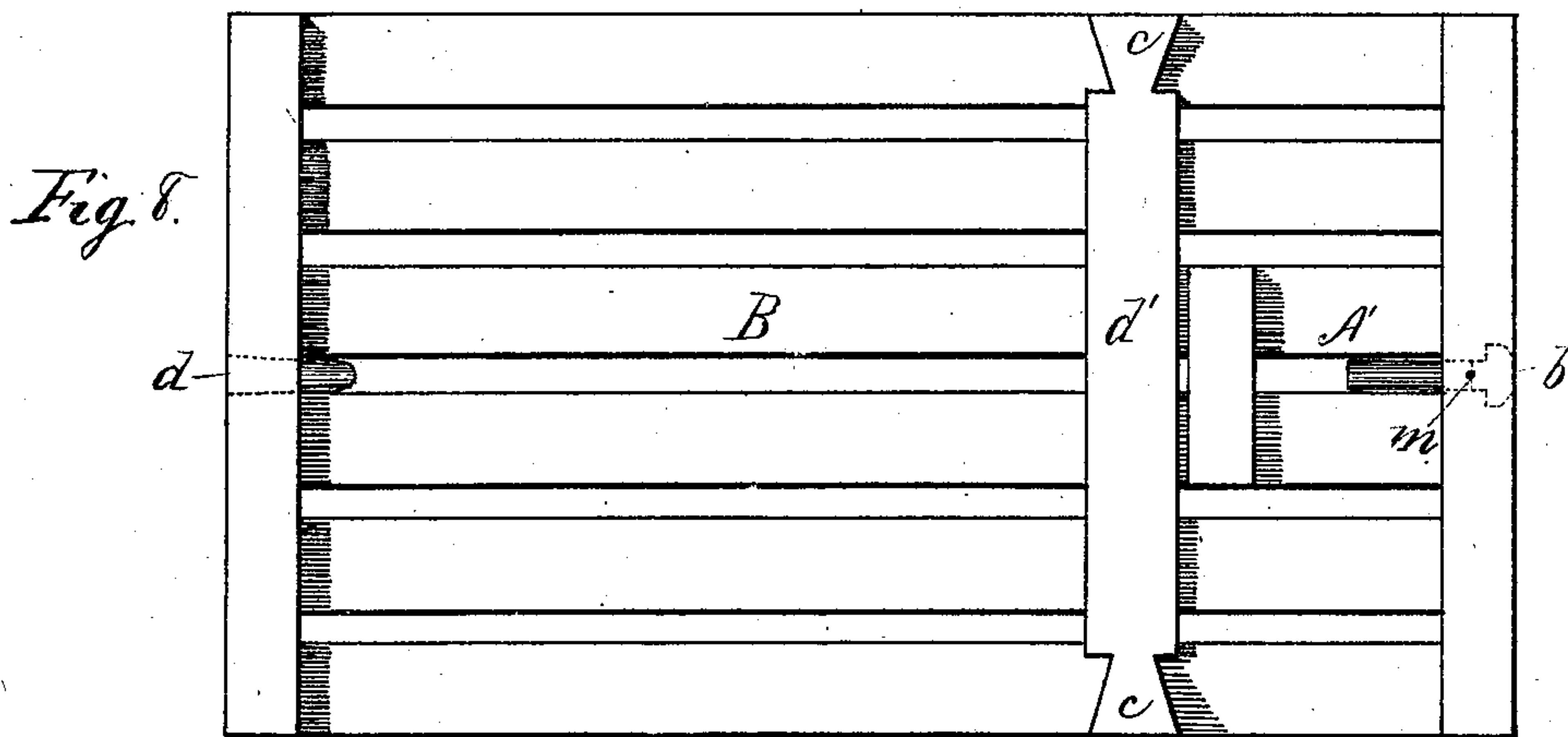
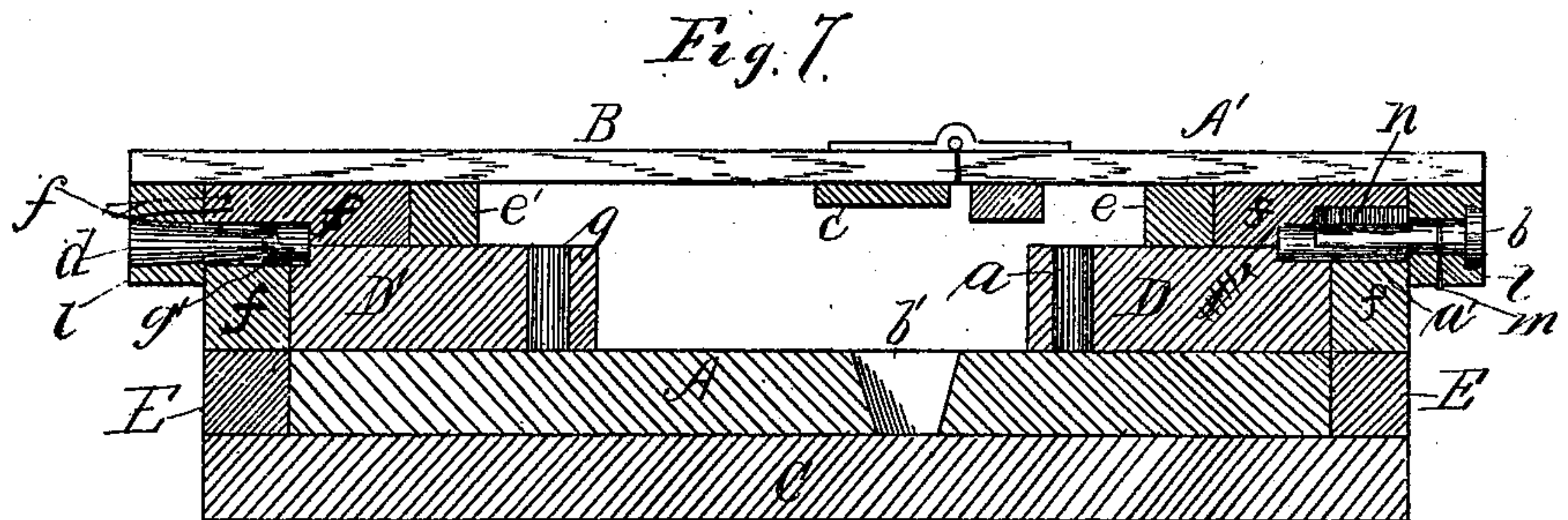
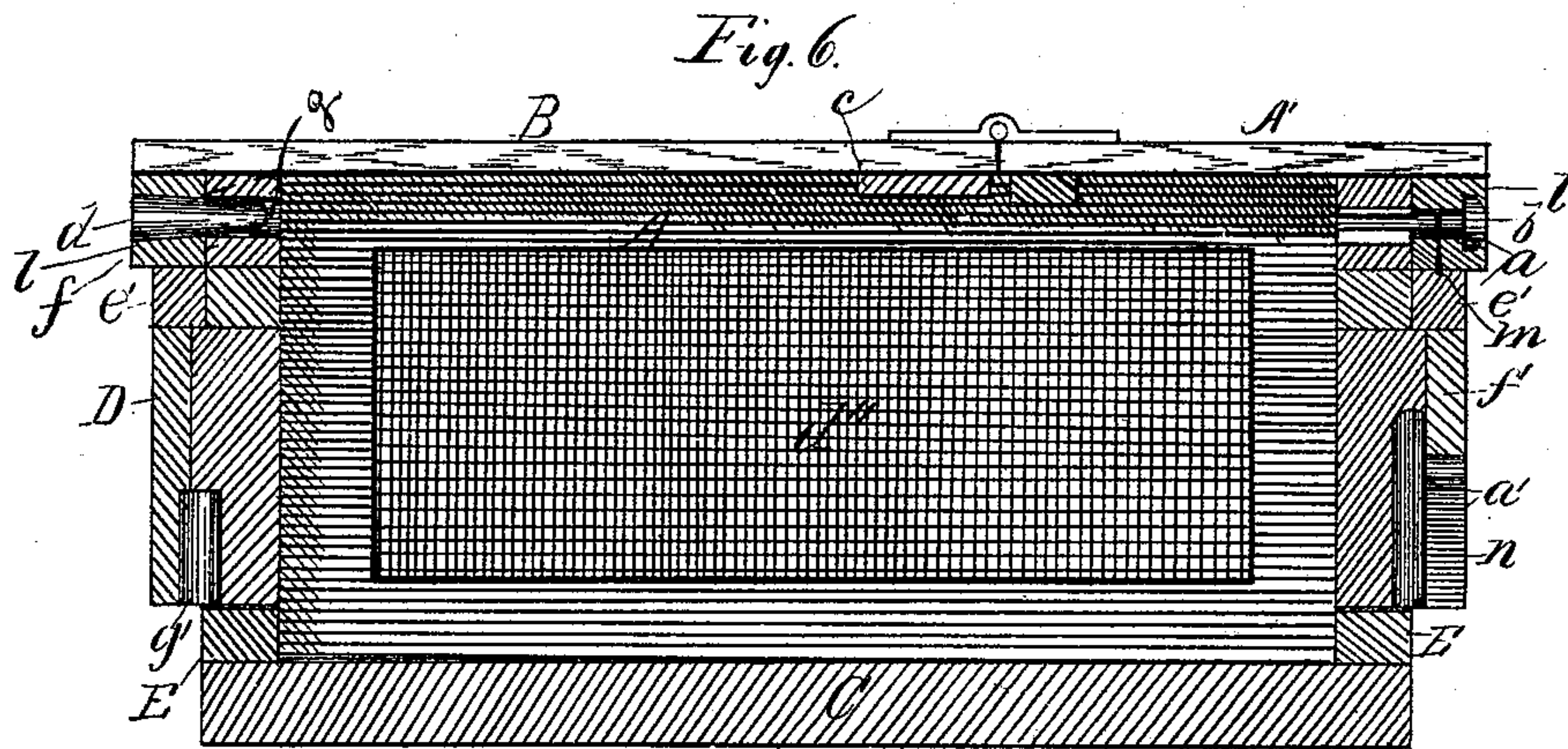
ATTORNEYS.



(Model.)

3 Sheets—Sheet 3.

W. ADAIR.  
Folding Shipping Coop.  
No. 230,388.  
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WITNESSES  
Otis R. Cushman  
J. A. Woodworth

INVENTOR  
Will Adair  
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# UNITED STATES PATENT OFFICE.

WILL ADAIR, OF CANMER, (OMEGA P. O.,) KENTUCKY.

## FOLDING SHIPPING-COOP.

SPECIFICATION forming part of Letters Patent No. 230,388, dated July 27, 1880.

Application filed April 19, 1880. (Model.)

*To all whom it may concern:*

Be it known that I, WILL ADAIR, of the town of Canmer, county of Hart, and State of Kentucky, have invented a new and useful Improvement in Folding Shipping-Coops; and I do hereby declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to an improvement in coops or safes for containing, and especially for shipping therein, live or dressed fowls, meats, and market produce generally; and it is designed as a novel and suitable receptacle for live fowls, meats, and other suitable farm products, and is especially valuable because affording unusual facilities for proper carriage or conveyance therein from point to point of such products, and as affording a method of folding the device into smaller dimensions in order to economize space when it is emptied.

In the drawings, Figure 1 is a view in perspective of my device. Fig. 2 is an end view thereof. Fig. 3 is a detached view of the dowel-pin. Fig. 4 is a side elevation of my device in a closed position. Fig. 5 is a perspective view thereof with the cover removed. Fig. 6 is a longitudinal vertical section of Fig. 1. Fig. 7 is a longitudinal vertical section of Fig. 4; and Fig. 8 is a plan view of the under side of the cover.

C represents the bottom of my device, which may be constructed of slats, to admit atmosphere, or of one solid piece, as shown. The longitudinal sides A A are adjustably secured to the bottom by the hinges  $c' c'$ , and are provided with the mortises  $b'$ , which are adapted for reception of the tenons  $c c$ , provided on the cross-bar  $d'$  on the inside of the cover. These longitudinal sides are formed of the frames having rigidly attached thereto the wire-cloth  $d''$  for admission and exit of atmosphere.

D and D' mark the lateral sides of the coop or safe, which are hinged to the cross-bars E, as shown, the cross-bars being composed of two pieces located apart on the same plane, so as to form, respectively, recesses for recep-

tion of the catch  $f$  and lock  $f'$ . These lateral sides are provided with the rigidly-secured pins  $i i$ , which fit into corresponding orifices in the longitudinal sides A A, for securing the four vertical sides of the frame together.

The lock  $f'$  has provided therein, for reception of dowel-pin  $b$ , the key-hole  $a'$ . This lock is employed when the lateral side to which it is attached is folded down preliminary to locking the cover to the coop or safe. When this lateral side is erected into a vertical position the key-hole  $a$  is employed in connection with said dowel-pin. The lateral sides D and D' have rigidly attached thereto the supporting-bars  $e' e'$ , to form a rest for the cornice  $l$  of the cover. The lateral end D' of the receptacle is constructed in a manner similar to the lateral end D, excepting that the orifices  $g$  and  $g'$  are employed for reception of the pin  $d$  of the cover, the former orifice being adapted thereto when the ends of the receptacle are opened, and the latter when they are closed.

B marks the cover of the coop or safe, which is removable, and constructed of slats rigidly secured to the cornices. The door A', provided in the cover of the coop, has rigidly attached thereto the cornice  $h$ , which is tapered from top to bottom, like a wedge, and conformed to the contour of a flaring opening provided in the cornice, which sustains the door in position.

The recess  $g''$  is designed for reception of the head of the dowel-pin, and it is connected with a horizontal orifice through which the dowel-pin is projected. The dowel-pin is provided with the annular groove  $h'$ , into which groove projects the pin  $m$ , for retaining it in position. The pin is flattened beyond the point where it projects through the cover-cornice, whereby it may be inserted in the narrow slots  $n$  and  $n$ , and secured in place or released by a quarter-revolution, which secures or releases the cover. To the inside of the cover B is also rigidly secured the bar  $d'$  tenoned at either end thereof and adapted to fit the mortises  $b' b'$ , as aforesaid, as an adjunct in retaining the cover securely in position.

By this construction of my safe the evils arising from close confinement of products for the table while *en route* to market are avoided, and space is greatly economized, as the device,



when emptied, may be returned to its destination folded as aforesaid.

In folding my device to make it ready for shipment when emptied, in order that it may occupy but little space, the longitudinal pieces A A are folded down inwardly upon the bottom, and the lateral sides D and D' are then folded upon these longitudinal sides, forming a compact body. The cover is then placed upon the folded frame, the rigid pin *d* inserted in orifice *g'*, and the dowel-pin rotated until its narrow edge is in a vertical line with the slot *n*, when it falls therein, whereupon the narrow edge of said pin is rotated until its flat side is presented to and projects across the slot, and the parts are thus firmly locked together.

What I claim is—

1. The combination of the sides D D', having catch *f* and lock *f'*, the cover provided with tenons *c c*, adapted to mortises *b'* in sides A, stationary pin *d*, and dowel-pin *b*, substantially as shown, and for the purpose described.

2. A folding crate having sides provided with the catch *f* and lock *f'*, each provided with means for receiving pins, in connection with a cover having stationary pin *d*, and the dowel-pin *b'*, for securing the cover on the crate, substantially as shown and described.

3. The catch *f*, having orifice *g'*, in combination with the lateral hinged side D' and cover B, provided with pin *d*, substantially as shown and described.

4. The lock *f'*, in combination with dowel-pin *b*, operated in slot *n*, hinged lateral side D, and cover B, substantially as shown, and for the purpose described.

In testimony whereof I affix my signature in the presence of two witnesses.

WILL ADAIR.

Witnesses:

JAS. R. ARMOUR,  
H. C. ALDERSON.