

(No Model.)

2 Sheets—Sheet 1.

I. A. CANFIELD.
Die for Forming Seamless Rubber Goods.

No. 239,442.

Patented March 29, 1881.

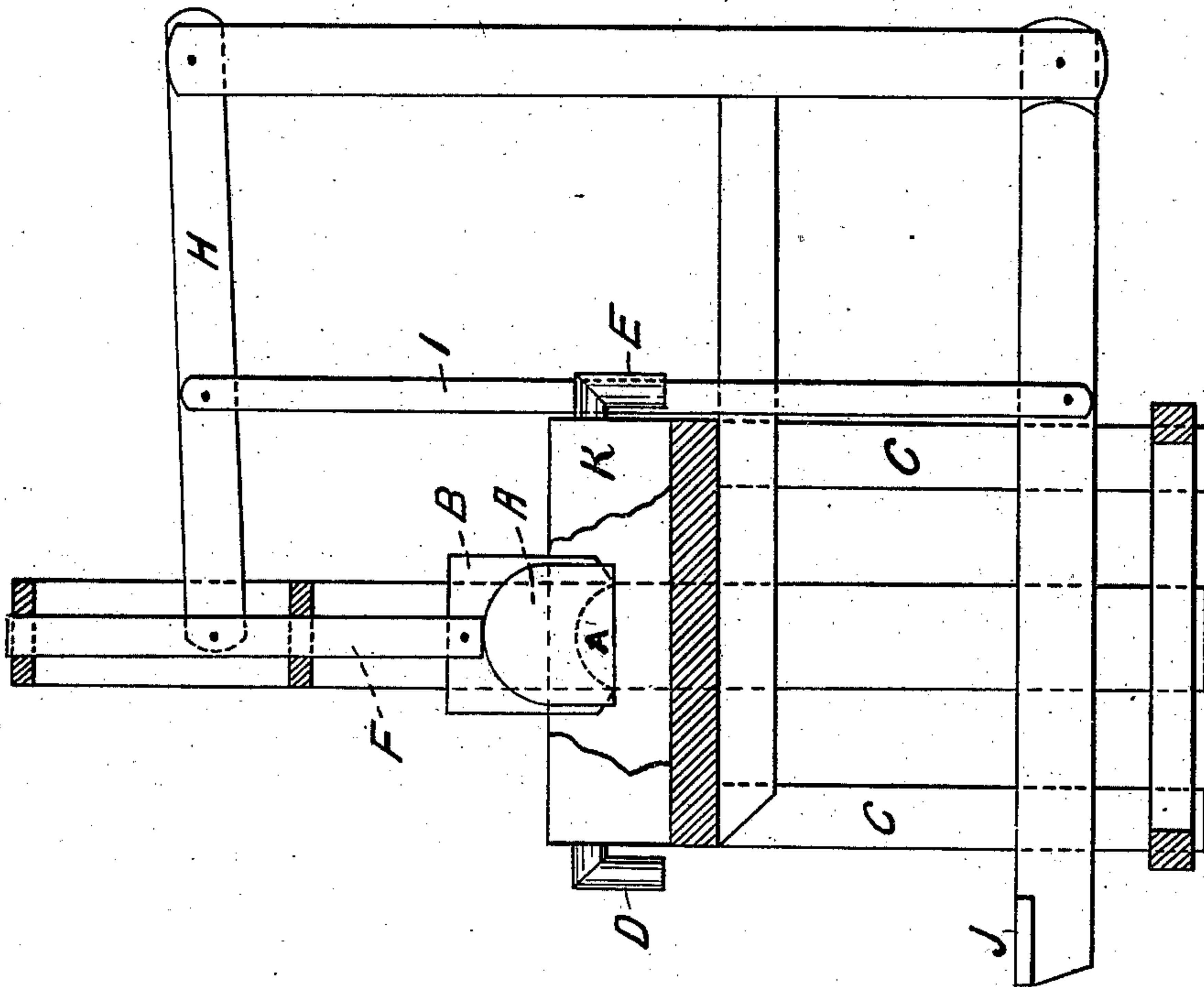


FIG. 2.

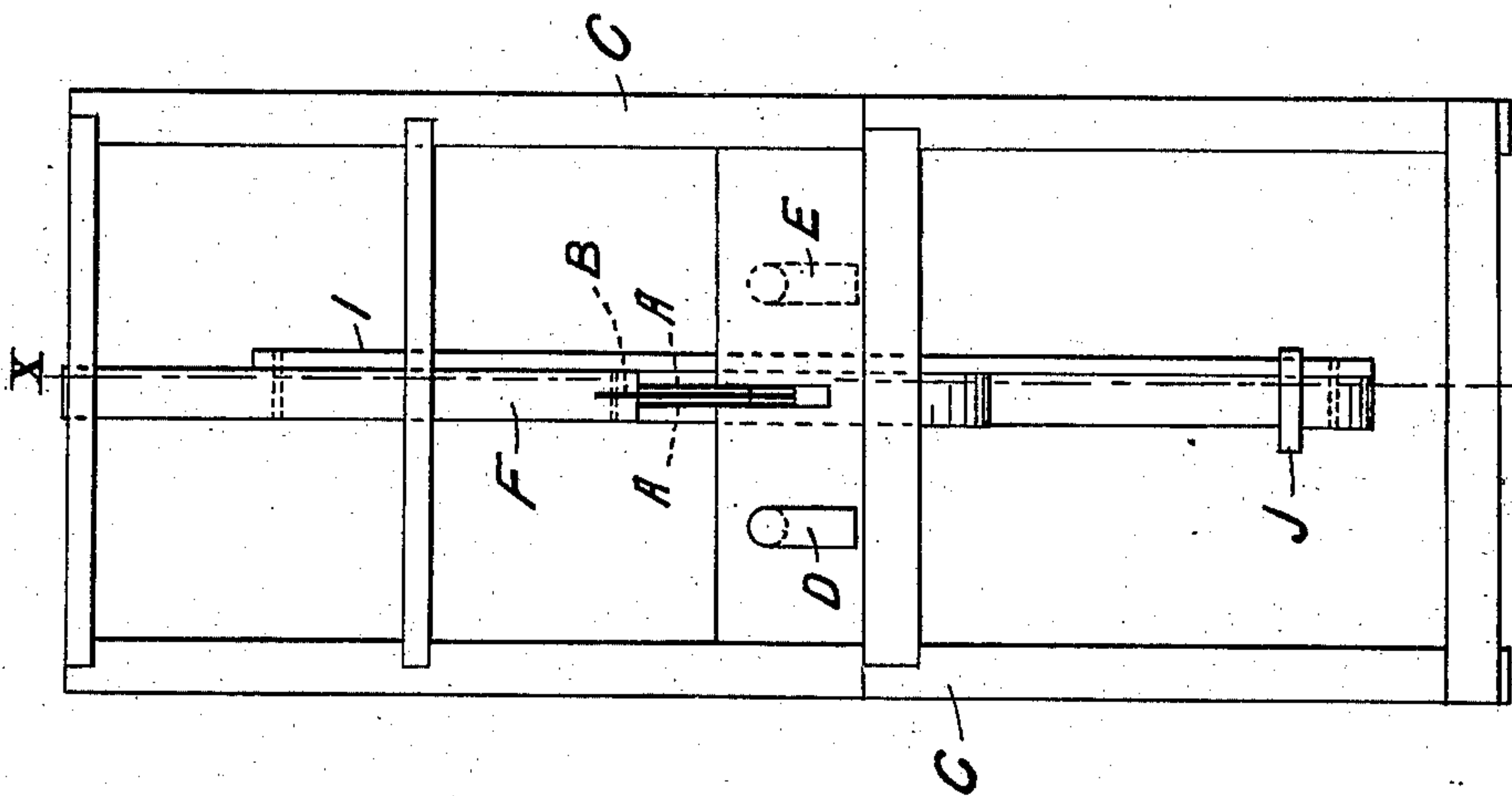


FIG. 1.

WITNESSES.

A. Hurd
Jas. J. Thomson

INVENTOR.

Isaac A. Canfield,
Per G. S. Ancker
att'y

(No Model.)

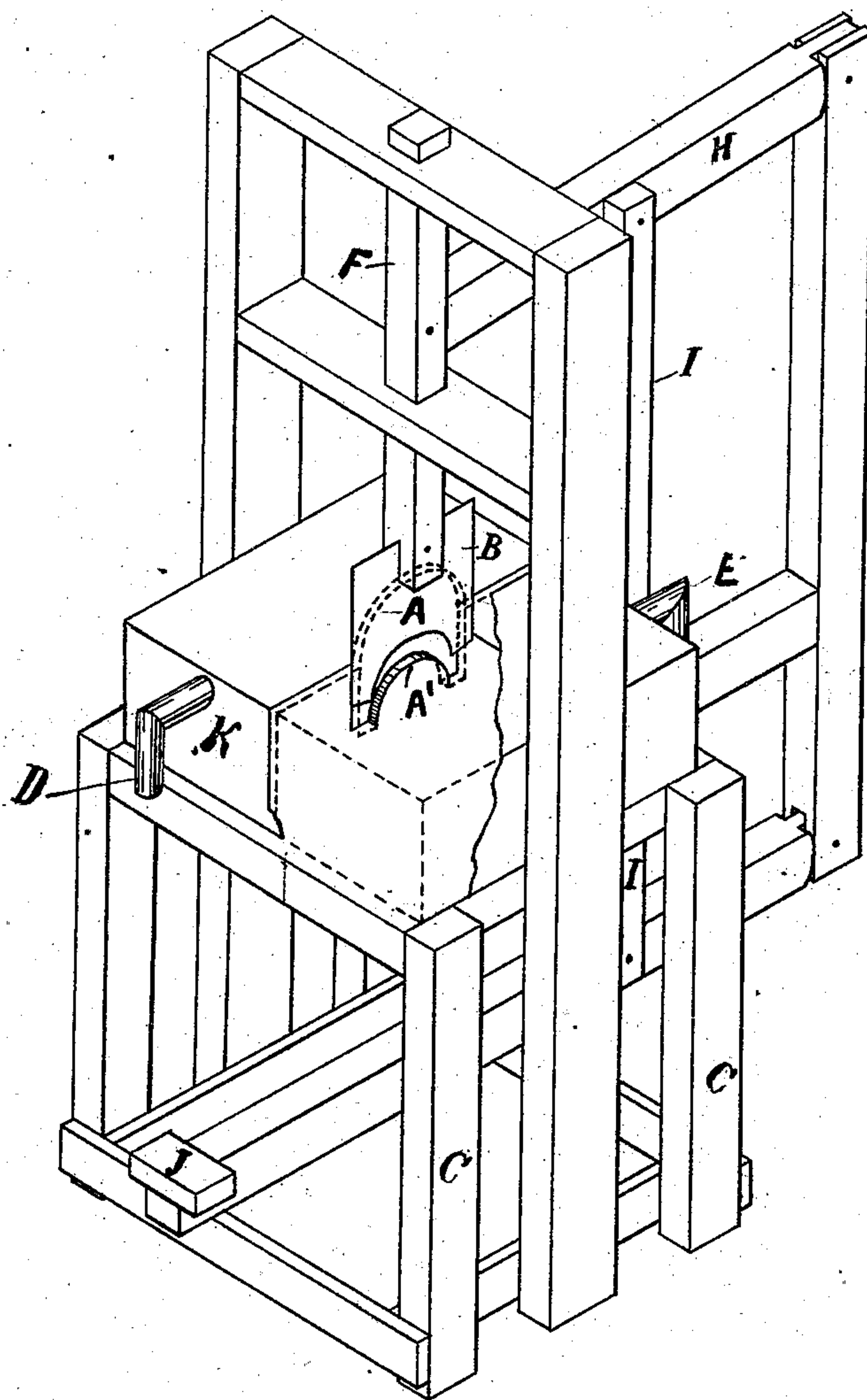
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Die for Forming Seamless Rubber Goods.

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FIG. 3.



WITNESSES.

A. H. Norris.
J. A. Rutherford

INVENTOR.

Isaac A. Canfield,
Per G. Stackpole
Atty

UNITED STATES PATENT OFFICE.

ISAAC A. CANFIELD, OF MIDDLETOWN, CONNECTICUT.

DIES FOR FORMING SEAMLESS RUBBER GOODS.

SPECIFICATION forming part of Letters Patent No. 239,442, dated March 29, 1881.

Application filed May 28, 1880. (No model.)

To all whom it may concern:

Be it known that I, ISAAC A. CANFIELD, a citizen of the United States, residing at Middletown, in the county of Middlesex and State of Connecticut, have invented certain new and useful Improvements in Dies, and Mechanism for Operating the Same, for Forming Seamless Rubber Goods, of which the following is a specification.

Figure 1 is a front elevation of my improved die and frame, and mechanism for operating the same. Fig. 2 is a section on line X X of Fig. 1. Fig. 3 is a perspective view of my improved dies, with frame and mechanism for operating the same, showing heating-box in which the dies are located, with a portion of said heating-box broken away to show the dies more clearly.

My invention relates to a press and dies for forming what is known as "shields" or "ladies' dress protectors," which are worn under the arm to prevent the perspiration from injuring the dress. Previous to my invention these goods could only be formed by being cut in two parts of the proper shape and cemented together. The object of my invention is to enable me to form such shields from a single piece.

A is the female die. B is the male die. C is the frame. The female die A is located in the top of a box or tank, K, to be heated by hot air or otherwise. Pipes D and E repre-

sent the inlet and outlet for hot air or steam. K is the heating-box, in the top of which the female die is heated. The male die is attached to a bar, F, which is attached to an arm, H. Said arm is pivoted at one end, and is connected to a treadle, J, by a rod, I, by which means the die is operated. The bottom of the female die A is curved upward from its ends, its sides substantially parallel to each other, and the male die B is made to fit it, so as to give the proper curve to the shield to fit under the arm—to wit, about one-fourth segment of an eight-inch circle. The male die B takes its heat from the female die A. This press and dies are intended for shaping rubber goods, and especially for the purpose of forming shields or protectors, to be worn under the arm to protect the dress from perspiration.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The female die A with substantially parallel sides, and its bottom curved, as shown at A', and resting in a heating-box, K, in combination with the male die B, said die B being attached to the bar F, which is connected to the treadle J by means of the rod I and arm H, as and for the purpose set forth.

ISAAC A. CANFIELD.

Witnesses:

J. H. CANFIELD,
FREDERICK SMITH.