

A. L. MOORE.

SUPPORT AND FRAME FOR DRAWERS.

No. 343,774.

Patented June 15, 1886.

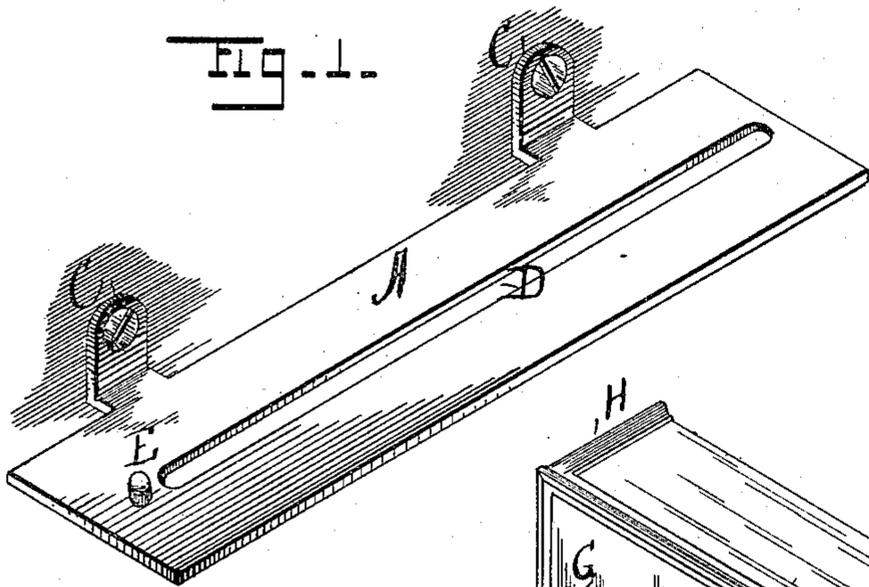


FIG. 1.

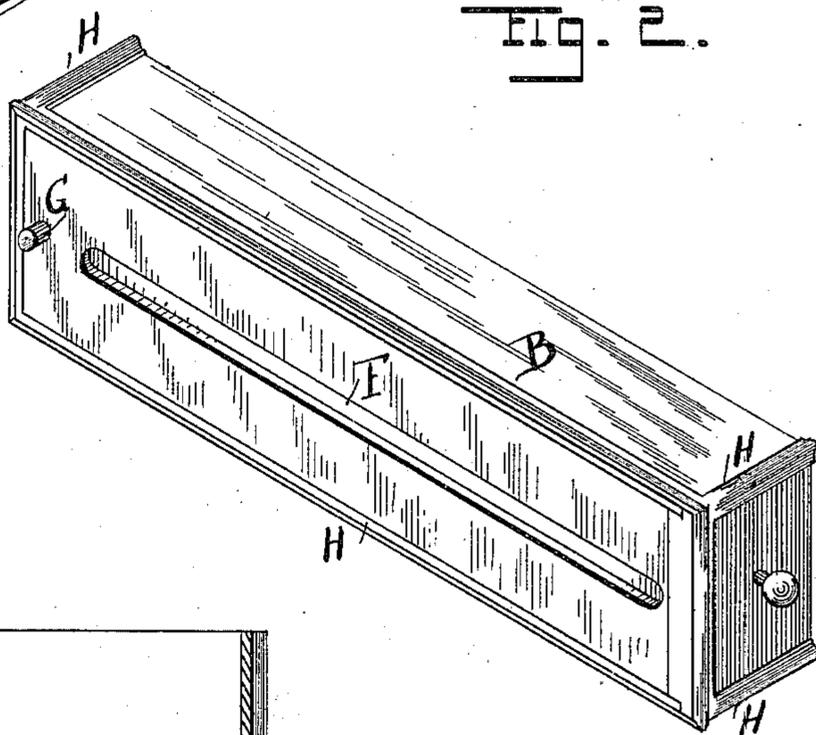


FIG. 2.

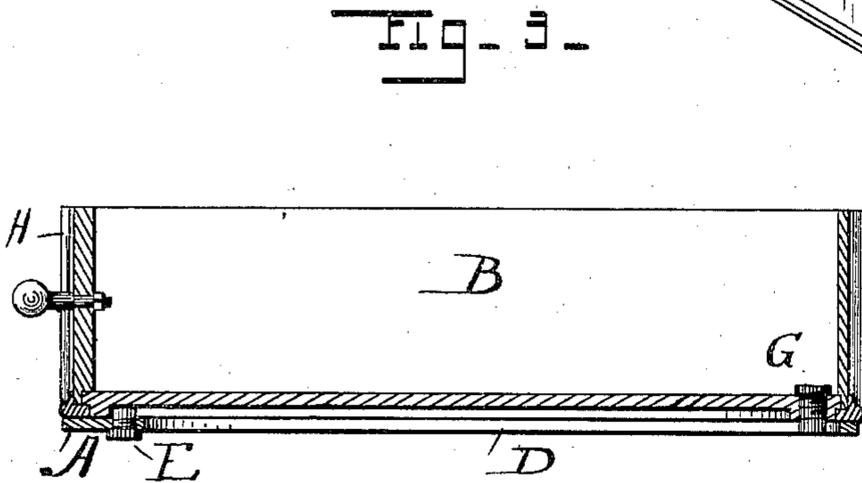


FIG. 3.

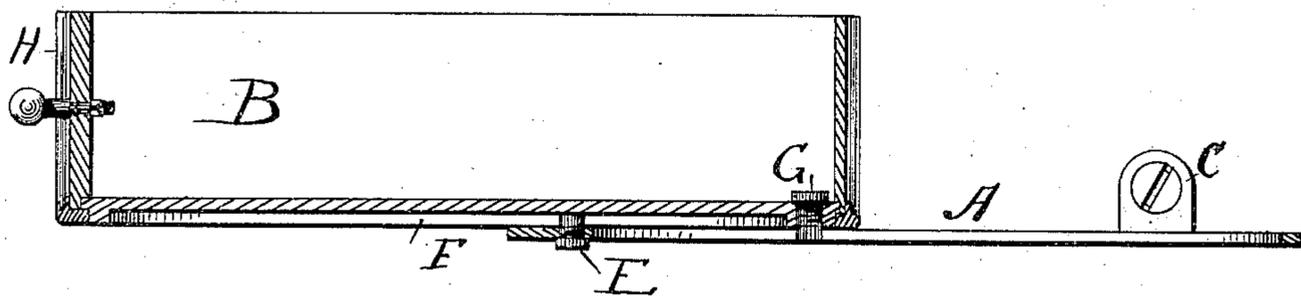


FIG. 4.

WITNESSES

A. S. Paré

Francis L. Douglas

INVENTOR

Arthur L. Moore,
Banning & Banning,

ATTORNEYS

(No Model.)

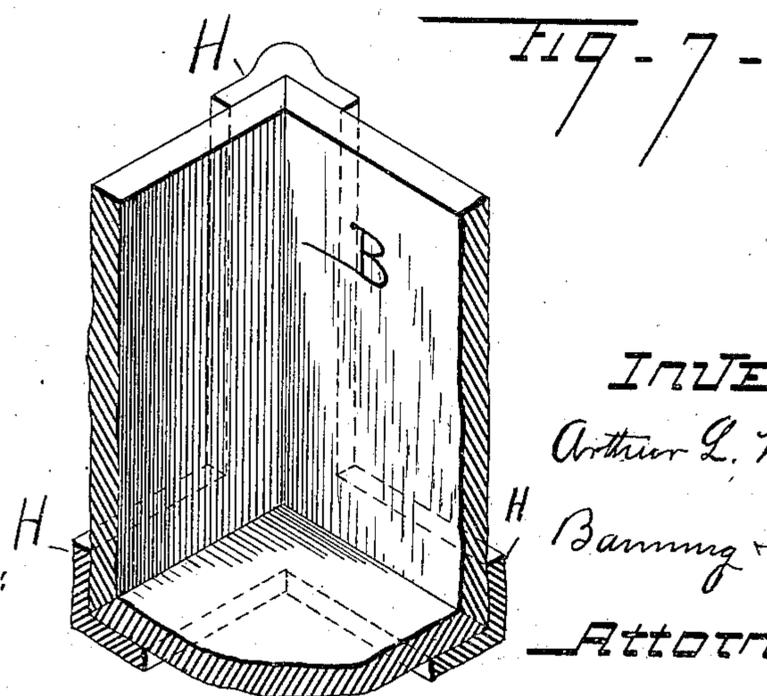
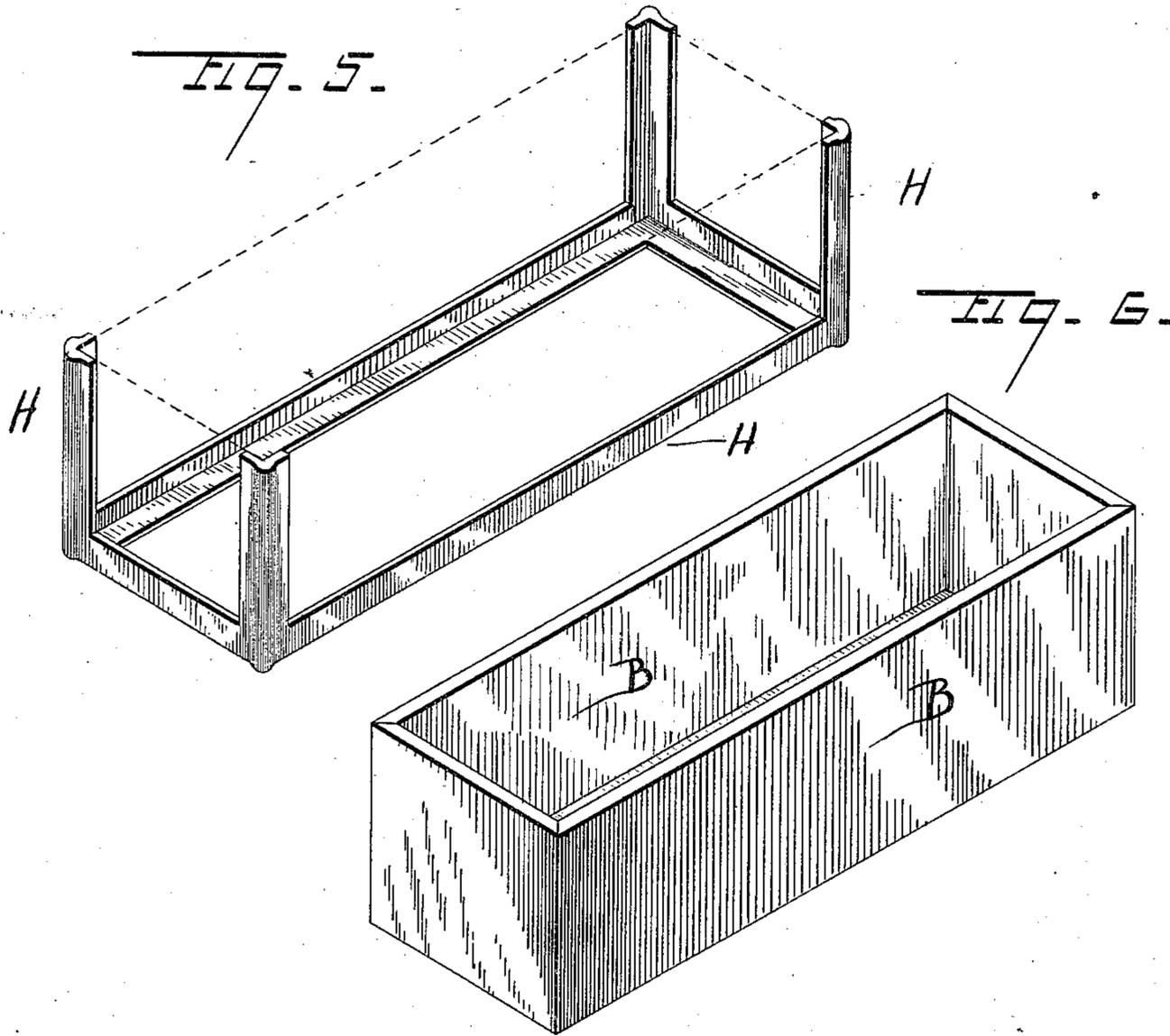
2 Sheets—Sheet 2.

A. L. MOORE.

SUPPORT AND FRAME FOR DRAWERS.

No. 343,774.

Patented June 15, 1886.



WITNESSES

A. Paré

Frank Douglas

INVENTOR

Arthur L. Moore

Banning Banning

ATTORNEYS

UNITED STATES PATENT OFFICE.

ARTHUR L. MOORE, OF ENGLEWOOD, ILLINOIS, ASSIGNOR TO THE AMERICAN
BUTTONHOLE, OVERSEAMING AND SEWING MACHINE COMPANY, OF
PHILADELPHIA, PENNSYLVANIA.

SUPPORT AND FRAME FOR DRAWERS.

SPECIFICATION forming part of Letters Patent No. 343,774, dated June 15, 1886.

Application filed December 17, 1885. Serial No. 185,888. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR L. MOORE, a citizen of the United States, residing at Englewood, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Supports and Frames for Drawers, of which the following is a specification.

The object of my invention is to make the supports or brackets and the skeleton or frame-work of drawers for sewing-machines and similar articles where it is desirable to make the drawer strong in construction, neat in appearance, and supported from one side; and my invention consists in the features and details of construction hereinafter described and claimed.

In the drawings, Figure 1 shows the bracket or support on which the drawer rests and moves. Fig. 2 is a perspective view showing the bottom of the drawer. Fig. 3 is a longitudinal vertical sectional view taken through the longitudinal slot in the bracket and bottom of the drawer. Fig. 4 is the same with the drawer partially drawn out. Fig. 5 is a perspective view of the frame-work or skeleton of the drawer. Fig. 6 is a perspective view of the box ready to be inserted into the skeleton, and Fig. 7 is a section of one of the corners of the drawer and frame-work.

In the drawings, A is the support or bracket on which the drawer is placed. B is the drawer. C are the screw-flanges by which the supporting-bracket is attached to the side of the machine or other article. D is the slot in the bracket. E is a stud on the same. F is the slot in the bottom of the drawer. G is a stud on the bottom of the drawer, and H the skeleton or frame-work in which the body of the drawer is placed.

In making my improved drawer-support I take an iron plate of the length and width to suit the length and width of the particular drawer which it is intended to support, and provide screw-flanges or other means for properly attaching it to the side of the sewing-machine frame or other article of furniture in connection with which it is to be used.

I have preferred to show my improved drawer-support as attached to the side of an

article, although it could of course be otherwise used with advantage. When I attach it to the side, I provide screw-flanges, as shown in Fig. 1, as affording the readiest means of securing it in position. I make a longitudinal slot in the supporting-plate extending almost the entire length, but stopping short of each end of the plate. At one end of this longitudinal slot I make a stud or projection to fit into a slot on the bottom of the drawer. I make a longitudinal slot in the bottom of the drawer, extending, preferably, only partially through the same, which slot corresponds in length and position to the slot in the supporting-plate, except that it is in the drawer. At the end of this slot in the bottom of the drawer I make a stud or projection to fit into the slot in the supporting-plate. When the drawer is placed in position, the stud in the supporting-plate projects into the slot in the bottom of the drawer, and the stud on the bottom of the drawer projects into the slot in the supporting-plate. Thus the two slots—the one in the supporting-plate and the one in the bottom of the drawer—are brought close together, the one being above the other, and the studs on the supporting-plate and the bottom of the drawer fitting each into the slot of the other. I have preferred to make these slots and studs at the center of the supporting-plate and at the center of the bottom of the drawer, respectively, although they need not be so made, but may be made the one toward the side of the supporting-plate and the other toward the side of the bottom of the drawer; but I make the stud in the supporting-plate fit into a slot in the bottom of the drawer which it supports, and the stud in the bottom of the drawer fit into a slot in the supporting-plate on which it rests. In this way each bracket or supporting-plate and each drawer supported by it form the complete and entire means for supporting and guiding the drawer and preventing its lateral displacement without the necessity of any assistance from any other plate or drawer.

In making the skeleton or frame-work for the drawer I cast it, preferably, out of iron, and preferably in one piece. The skeleton

irons are made, as shown in the drawings, at right angles or from angle-irons, so as to embrace the sides and ends, and the sides, ends, and bottom of the drawer at all of the joints
5 required in making a drawer or box consisting of sides, ends, and bottom—that is, four vertical and four horizontal joints. After the frame or skeleton has been made the drawer is fastened together and placed bodily into the
10 same, which thus embraces it and secures its parts permanently in their proper position. In this way the body of the drawer will be greatly strengthened and its joints covered and protected by the angle-irons composing
15 the skeleton or frame.

I do not here claim this skeleton or frame for the drawer, but intend to make the same

the subject of another and divisional application; but

What I claim is—

The combination of a drawer bracket or supporting plate provided with a longitudinal slot and a stud, and a drawer provided with a longitudinal slot and a stud in its bottom, the stud in the plate fitting and moving in the slot
20 in the bottom of the drawer, and the stud in the bottom of the drawer fitting and moving in the slot in the plate, whereby the drawer is supported and guided, substantially as described.

ARTHUR L. MOORE.

Witnesses:

EPHRAIM BANNING,
FRANK L. DOUGLAS.