

A. L. MOORE.

SUPPORT AND FRAME FOR DRAWERS.

No. 343,774.

Patented June 15, 1886.

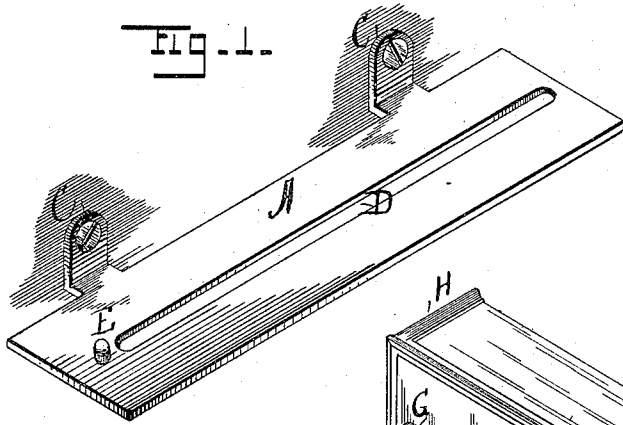


FIG. 1.

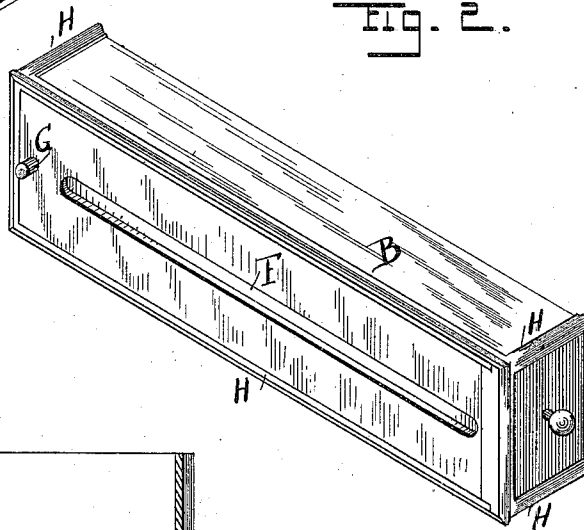


FIG. 2.

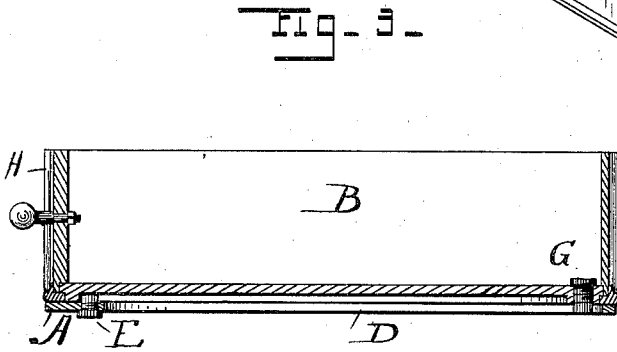


FIG. 3.

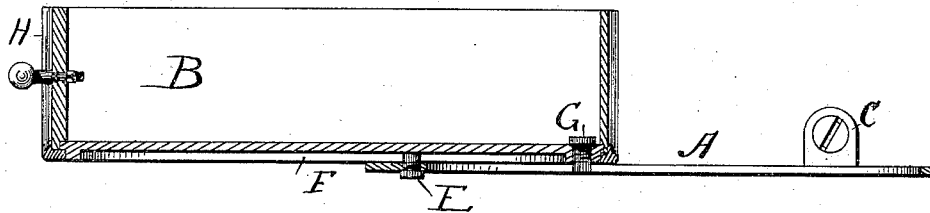


FIG. 4.

WITNESSES

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*Francis L. Douglas*

INVENTOR

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(No Model.)

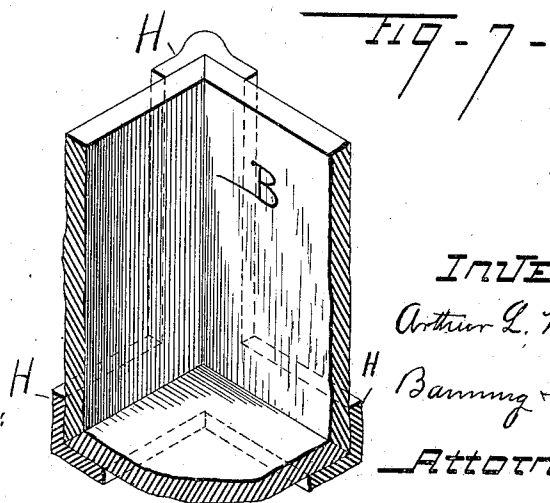
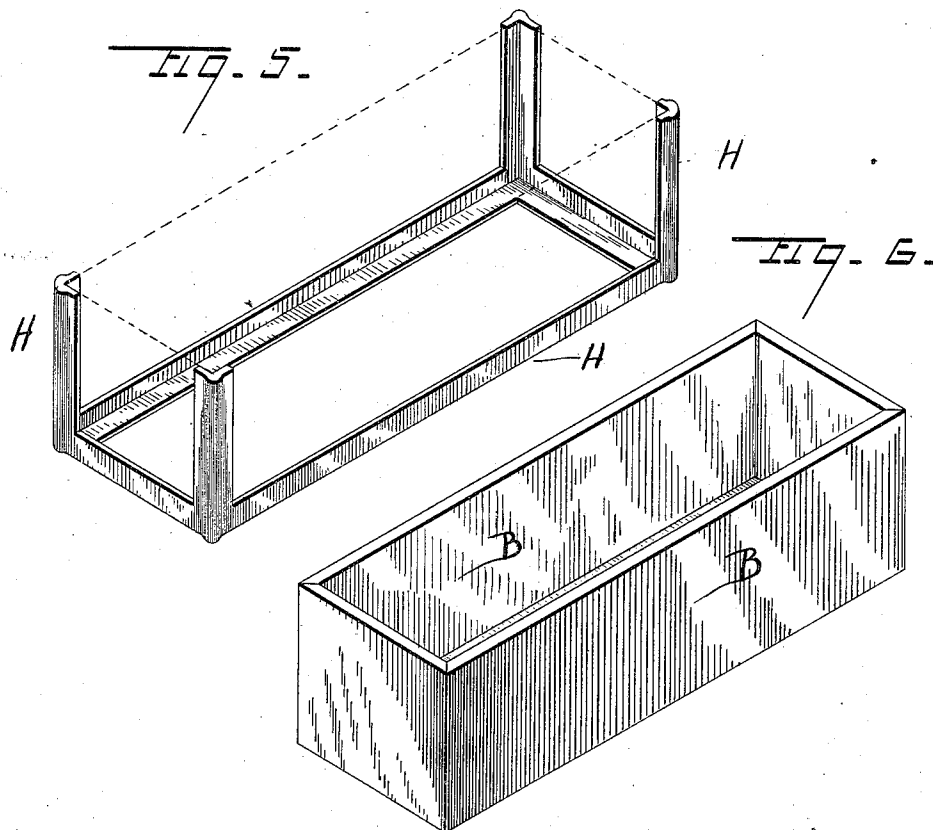
2 Sheets—Sheet 2.

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# UNITED STATES PATENT OFFICE.

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## 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. 195,888. (No model.)

*To all whom it may concern:*

Be it known that I, ARTHUR L. MOORE, a  
citizen of the United States, residing at Engle-  
wood, county of Cook, and State of Illinois,  
5 have invented certain new and useful Im-  
provements in Supports and Frames for Draw-  
ers, of which the following is a specification.

The object of my invention is to make the  
supports or brackets and the skeleton or frame-  
10 work of drawers for sewing-machines and  
similar articles where it is desirable to make  
the drawer strong in construction, neat in ap-  
pearance, and supported from one side; and  
my invention consists in the features and de-  
15 tails 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  
20 the bottom of the drawer. Fig. 3 is a longi-  
tudinal vertical sectional view taken through  
the longitudinal slot in the bracket and bot-  
tom of the drawer. Fig. 4 is the same with  
the drawer partially drawn out. Fig. 5 is a  
25 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 brack-  
et 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  
30 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  
35 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  
40 provides screw-flanges or other means for prop-  
erly attaching it to the side of the sewing-ma-  
chine 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 other- 50  
wise 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 55  
the entire length, but stopping short of each  
end of the plate. At one end of this longi-  
tudinal 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 60  
drawer, extending, preferably, only partially  
through the same, which slot corresponds in  
length and position to the slot in the support-  
ing-plate, except that it is in the drawer. At  
65 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 support-  
ing-plate projects into the slot in the bottom of  
70 the drawer, and the stud on the bottom of the  
drawer projects into the slot in the support-  
ing-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  
75 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  
80 the center of the bottom of the drawer, re-  
spectively, 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  
85 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  
90 rests. In this way each bracket or support-  
ing-plate and each drawer supported by it  
form the complete and entire means for sup-  
porting and guiding the drawer and prevent-  
ing its lateral displacement without the neces-  
sity of any assistance from any other plate or  
95 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  
25 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.