

UNITED STATES PATENT OFFICE.

JOHN J. GRANT, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO THE AMERICAN BUTTONHOLE, OVERSEAMING AND SEWING MACHINE COMPANY, OF SAME PLACE.

FRAME OR RIM FOR DRAWERS OR BOXES.

SPECIFICATION forming part of Letters Patent No. 369,519, dated September 6, 1887.

Application filed June 4, 1887. Serial No. 240,270. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. GRANT, a citizen of the United States, and a resident of Philadelphia, Pennsylvania, have invented certain Improvements in Frames or Rims for Drawers or Boxes, of which the following is a specification.

The object of my invention is to construct a strong, yet light strengthening and ornamenting frame or rim for the bottoms of drawers for sewing-machine or other tables, or for boxes.

In the patent granted to A. L. Moore, June 15, 1886, No. 343,774, is illustrated a sewing-machine drawer provided with a metal frame or rim for strengthening and ornamenting it, this frame or rim being of cast-iron. For this reason, however, the frame or rim is liable to get broken, especially at the point where the notch is made in the bottom edge of the rim or frame, as well as the drawer, to slide on the guiding flange or rib on the supporting-shelf shown in the later patent of Moore, No. 362,457, May 3, 1887.

To produce a frame which shall be light and at the same time strong and not liable to break, I make the frame or rim of sheet metal bent to the section of a grooved rib with one or more flanges, as hereinafter described.

In the accompanying drawings, Figure 1 is a perspective view of a sewing-machine drawer provided with a metal rim, and alongside it one of the shelves on which the drawer is mounted and can slide. Fig. 2 is a perspective view, drawn to a larger scale, of my improved sheet-metal rim turned upside down. Fig. 3 is a sectional perspective view, drawn to a larger scale, of a portion of the said rim. Fig. 4 is a similar view of a modification. Fig. 5 is a similar view of another modification; and Fig. 6 is a perspective view, drawn to a reduced scale, of a form of sheet-metal rim in which portions of the flanges are dispensed with.

In Fig. 1 A is one of the cast-iron shelves on which the drawers are mounted, and which shelves are to be fastened by screws or otherwise to the legs of the sewing-machine stand, one above the other.

B is one of the wooden drawers adapted, to

slide on one of the shelves and be guided thereon. Around the bottom of this drawer is to be fitted the strengthening and ornamenting metallic frame or rim D. As I have said, I make this frame or rim of sheet metal, and by suitable stamping machinery bend it up preferably to the section illustrated in Fig. 3—that is, with a grooved rib, *d d*, each leg of the rib being provided with an inwardly-projecting flange, *d' d'*. The outer leg of the grooved rib I prefer to make curved, as illustrated in Fig. 3, although this is not essential. For instance, it may have the straight inclined form shown in Fig. 4. In the flange *d'* of the inner leg of the grooved rib are formed a suitable number of openings, *e*, Fig. 2, through which pass the securing-screws to fasten the frame to the under side of the box. The bottom of the box fits in the rim or frame thus formed, as will be readily understood.

As shown in Fig. 1, the shelf A is provided with a guiding-rib, *a*, adapted to a corresponding groove on the under side of the drawer. A notch, *f*, is formed in the rear end of the rim or frame D, as shown in Fig. 2, while the front end of the frame is provided with a stop consisting of a piece of metal, *f'*, suitably secured by solder or otherwise in the recess between the legs of the double rib.

In some cases the flange *d'* of the inner leg of the grooved rib may be dispensed with, as illustrated in Figs. 5 and 6; but in such case the sheet-metal rim should be stamped up with suitable lugs, *e'*, perforated for the passage of the securing-screws.

It will be understood that although my sheet-metal strengthening and ornamenting rim is more particularly designed, as described, for the bottoms of sewing-machine drawers, it may be used similarly for any form of wooden or other box or receptacle.

I claim as my invention—

1. A sheet-metal rim or frame for drawers, boxes, or other receptacles, having in section the form of a grooved rib with one or more inwardly-projecting flanges, substantially as set forth.

2. A sheet-metal rim or frame for drawers, boxes, and other receptacles, having in section

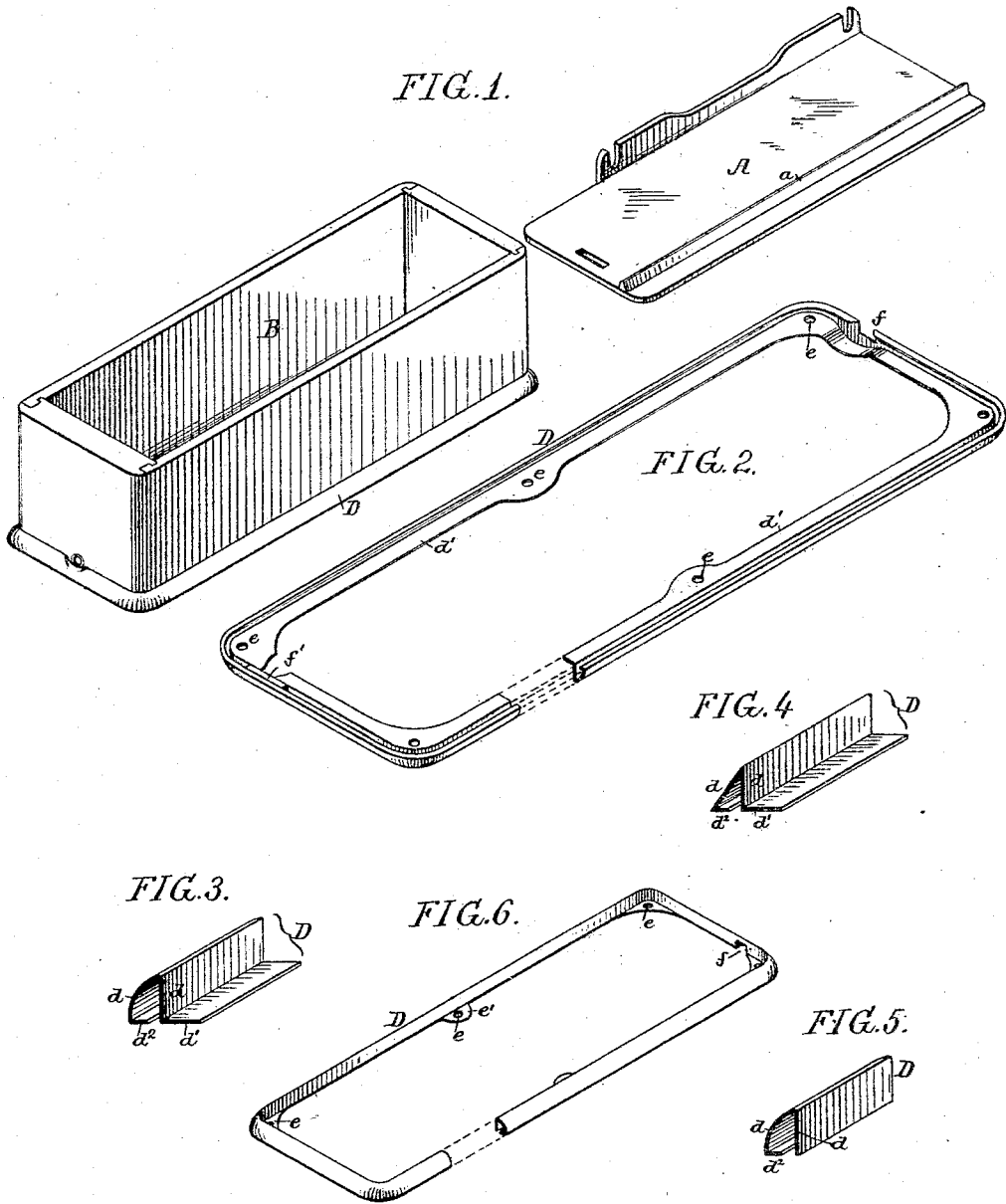
(No Model.)

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FRAME OR RIM FOR DRAWERS OR BOXES.

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