

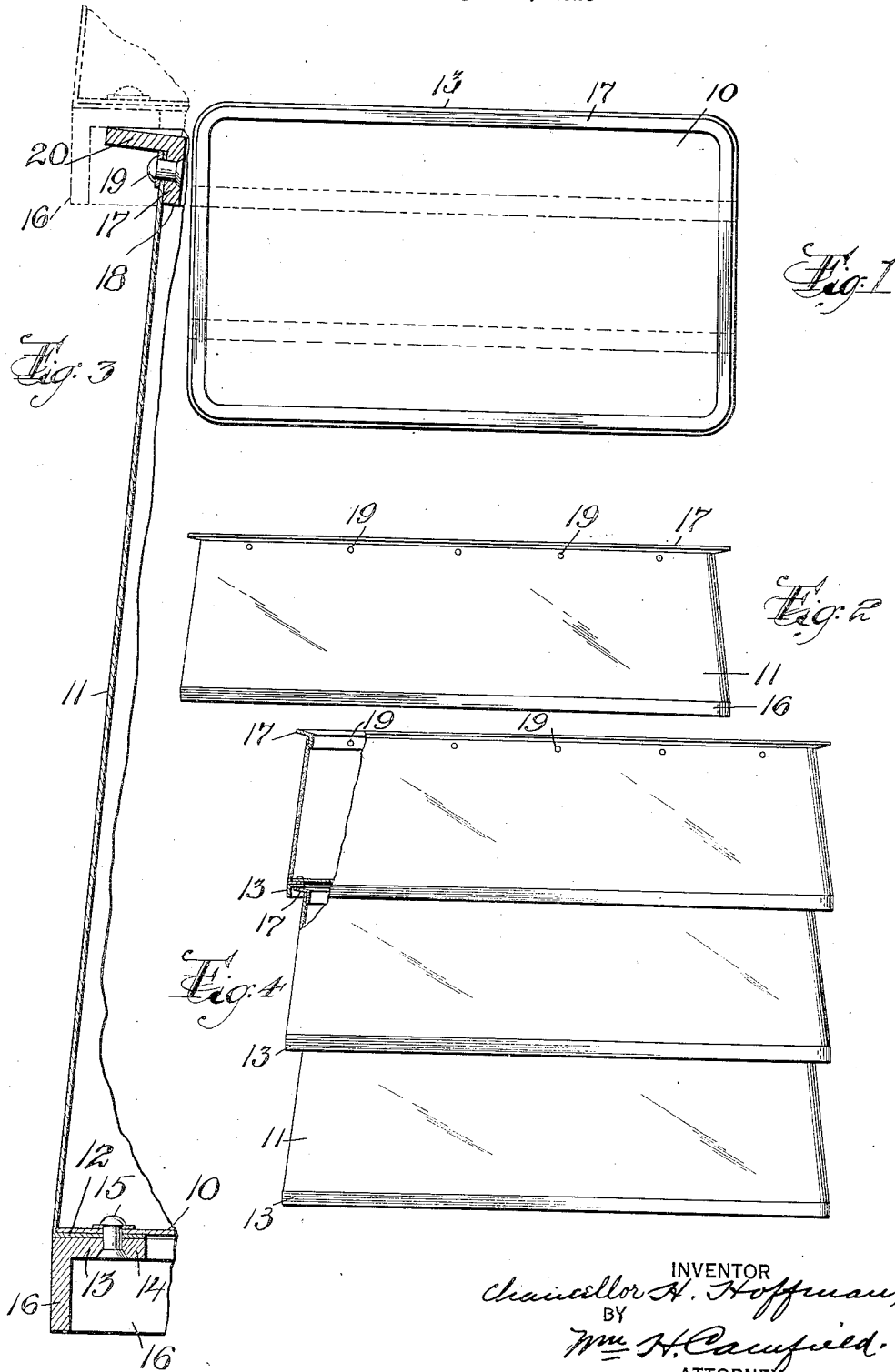
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C. H. HOFFMAN

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STACKING BOX

Filed April 6, 1928



UNITED STATES PATENT OFFICE.

CHANCELLOR HALL HOFFMAN, OF RIDGEWOOD, NEW JERSEY.

STACKING BOX.

Application filed April 6, 1928. Serial No. 267,982.

This invention relates to an improved box of sheet metal and is of the type that can be stacked so that when a pile of boxes is being used the boxes can be transported as a stack without disarrangement under slight tilting and which boxes when successively filled can be subjected to side strains of the deposit of material in them without being slid from the stack.

The invention is adapted for many uses, for instance, such as bread boxes so that when loaded on a wagon they will maintain their places in the stack but can be readily removed when lifted slightly and then moved horizontally.

The invention is illustrated in the accompanying drawings in which Figure 1 is a top view of a box made according to my invention. Figure 2 is a side-view of the box. Figure 3 is an enlarged detail section of one wall of the box with a part of the adjacent wall shown in elevation. Figure 4 is a view of a stack of boxes partly broken away to show the engagement of one box with another.

The box is made with a bottom 10 and a side wall 11, formed of sheet metal, and in the drawing I show a rectangular box, the side wall having a lip 12 bent in from the edge on which the bottom 10 rests. At the bottom I arrange a frame 13 of angle iron with a horizontal flange 14 which serves to support the parts 10 and 12 and which is secured thereto by rivets 15. This bottom frame has a marginal flange 16 which flange is vertical. At the top of the box is a frame 17 also right-angled in cross section with the flange 18 secured to the top of the side wall 11 by

rivets 19 and having a horizontally disposed flange 20. The side walls are inclined inwardly toward the top so that the outer edge of the flange 20 is within the plane of the flange 16 of the frame at the bottom of the box so that each succeeding box when stacked has its flange 16 surrounding the flange 20 of the top frame of the box on which it rests.

The boxes are thereby held in a vertical position and are subject only to a slight movement due to the play between the aforesaid flanges of the top and bottom frames.

The flange 20 on each box overcomes the necessity of having handles on the box as it serves as adequate and handy means for lifting the box and carrying it.

The box is adapted for cheap construction and the inclined side walls lend rigidity and strength so that relatively heavy material can be carried in a box and the side walls do not become bent even under the strain of supporting a large number of additional boxes on the top thereof.

I claim:—

A stacking box comprising a sheet metal rectangular side wall inwardly inclined toward the top, a rectangular frame with a downwardly extending flange secured to the side wall at the bottom, and a top frame of angle iron with a horizontally disposed flange at the top of the side wall, the outer edge of the top frame being within the plane of the downwardly projecting flange of the bottom frame.

In testimony whereof I affix my signature.

CHANCELLOR HALL HOFFMAN.