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PAPER BOX MAKER'S GAGE.

APPLICATION FILED JULY 9, 1913.

1,081,759. Patented Dec. 16, 1913.

Fig. 1.

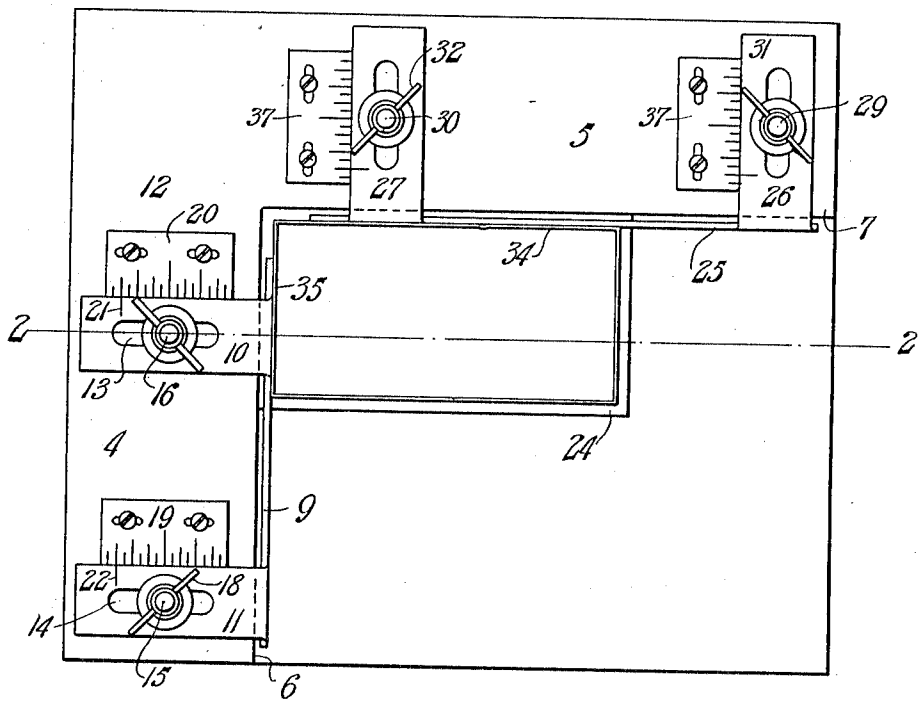
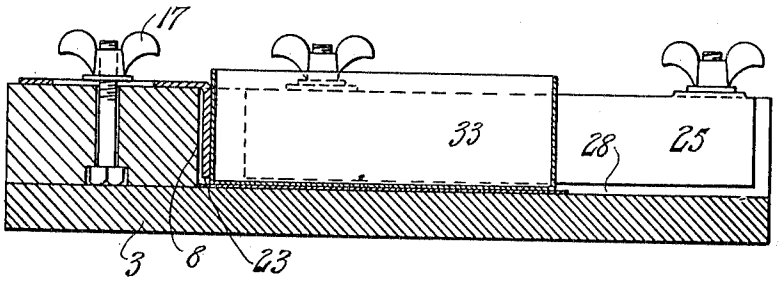


Fig. 2.



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PAPER-BOX-MAKER'S GAGE.

1,081,759. Specification of Letters Patent. Patented Dec. 16, 1913.

Application filed July 9, 1913. Serial No. 778,054.

To all whom it may concern:

Be it known that I, LEONIDAS E. MARCHESE, a citizen of the United States of America, and resident of Chicopee, in the county of Hampden and State of Massachusetts, have invented certain new and useful Improvements in Paper-Box-Makers' Gages, of which the following is a full, clear, and exact description.

This invention has for its object to provide an improved form of positioning device or gage, for the purpose of accurately locating the extra bottom board of a box, relative to the sides and bottom of the box, when it is desired to secure an extra bottom member to a box, by adhesive or otherwise, and to have the extra bottom project a certain distance beyond the sides of the box.

A further object of the invention is to provide a construction of this character, that can be readily and accurately adjusted so that the extra bottom member will project from the sides of the box for different distances.

In the accompanying drawings illustrating one embodiment of my invention,—Figure 1 shows the device with a box and extra bottom member in position, and Fig. 2 is a vertical section on the line 2—2 indicated in Fig. 1.

The device is shown as having a base 3 on which are mounted blocks 4 and 5 having substantially vertical faces or walls 6 and 7 respectively that meet at an angle at the line 8, preferably a right angle, and which blocks may be formed of one integral piece if desired. At each of these vertical faces 6 and 7 is arranged a member in the form of a plate to constitute a vertical wall parallel with these faces, and which members are adjustably secured to the said blocks respectively. A plate 9 is shown having lugs 10 and 11 projecting horizontally from the upper edge near each end, that rest on the top face 12 of the block 4, and is secured thereto by suitable means, preferably adjustable, so that the plate 9 can be held at different distances removed from the vertical wall 6 of the block. As shown, these lugs are slotted at 13 and 14, through which project bolts 15 and 16 respectively, carried by the blocks, and provided with wing nuts 17 and 18, by which the lugs can be secured in adjusted positions; and to further guide the lugs, graduated plates 19 and 20 are secured to the top face 12 of the block 4 to engage one side of each of the lugs 10 and 11, and have the graduations thereon successively register with indications 21 and 22 on these lugs respectively. It will be seen from Fig. 2 that the lower horizontal edge of the plate 9, indicated by 23, is offset a short distance from the top of the block or base 3, so that the supplemental bottom member 24 when laid on the base can extend beneath the plate and engage the vertical side wall 8 of the block. A similar gage member is arranged at the block 5, comprising a plate 25 similar to the plate 9 having slotted lugs 26 and 27 at its upper edge that rest on the block 5 to support the plate with its lower edge 28 spaced a short distance from the top face of the base; and bolts 29 and 30 carried by the block 5 project through the slotted lugs to receive wing nuts 31 and 32, whereby the plate 5 can be secured offset from the block 5 at different distances.

In the use of the device, the extra bottom member 24 is placed on the base 3 with its two side edges inserted beneath the lower edge of the plates 9 and 25 in engagement with the side faces 7 and 8 of the two blocks and pushed up to the corner; and then the box 33 is placed on top of this bottom member and advanced toward the corner until its side faces 34 and 35 engage the plates 9 and 25 respectively, as indicated in Figs. 1 and 2. By this means the supplemental bottom will project beyond the bottom and sides of the box for a distance equal to that which the engaged faces of the plates 9 and 25 are offset from the faces 6 and 7 of the blocks, that is preferably an equal amount in the two plates, and which obviously can be made greater or less as desired by loosening the wing nuts and moving the lugs on the bolts to the required position; and which can be made equal in the two gage plates by inspection of the graduated plates 19 and 20; the lugs 26 and 27 being provided with similar graduated plates 36 and 37 respectively.

Of course, the supplemental bottom 24 is made of a size to project an equal distance from the four sides of the box, and the two gage plates are adjusted so that it will project the desired amount from two of the sides, that will bring the other two projecting edges to the proper position.

I claim:—

1. The combination of a base, a pair of

blocks secured on the base and having vertical walls meeting at an angle, a pair of gage members, one carried by each block, each gage member having a wall extending parallel with said vertical wall of the block and perpendicular to the base, and whose lower edge is spaced a short distance from the base.

2. The combination of a base, a pair of blocks secured on the base and having vertical walls meeting at an angle, a pair of gage members, one carried by each block, each gage member having a wall extending parallel with said vertical wall of the block and perpendicular to the base, and whose lower edge is spaced a short distance from the base, each gage member having at the top longitudinally slotted lugs extending back over the top face of the block, and an adjusting bolt carried by the blocks in each said slotted portion of the lugs to secure the gages in adjusted positions on the blocks, whereby to vary the position of the said parallel walls of the gages relative to the adjacent walls of the blocks.

3. The combination of a base, a pair of blocks secured on the base and having vertical walls meeting at an angle, a pair of gage members one carried by each said block, each gage member comprising a plate forming a wall extending parallel with said vertical wall of the block, and a pair of lugs projecting from the top edge of the plate one at each end and which rest on the top face of the block to position said plates with their lower edges spaced a short distance from the base, said lugs having longitudinal slots, adjusting bolts carried by the blocks, one extending through each of said slotted lugs to secure the gage members in adjusted positions whereby to vary the position of said plates relative to the adjacent walls of the blocks.

4. The combination of a base, a pair of blocks on the base having vertical walls meeting at an angle, a pair of gage members one carried by each block, each gage member comprising a plate forming a vertical wall extending parallel with the vertical wall of the block, a pair of lugs projecting from the top edge of each plate which rests on the top face of the block to position said plates with their lower edges spaced a short distance from the base, said lugs having longitudinal slots, adjusting bolts carried by the blocks and extending through the slotted lugs to secure the gage members in adjusted positions whereby to vary the position of the plates relative to the adjacent walls of the blocks, and graduated guide plates on the top face of the blocks, one engaging each said lug.

Signed by me at Springfield, Mass., in presence of two subscribing witnesses.

LEONIDAS E. MARCHESE.

Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents. Washington, D. C."