Dec. 26, 1933. H. HERMANI 1,940,909

DISPLAY STAND

Filed Sept. 23, 1933

Fig. 1.

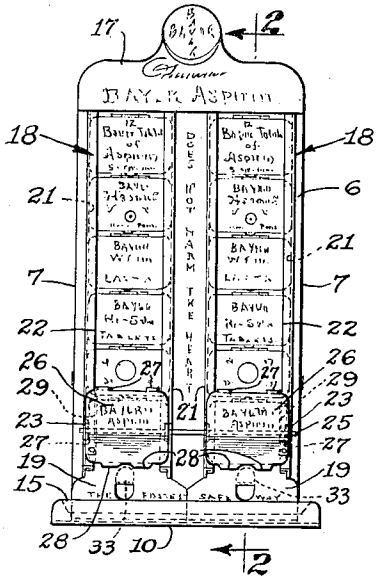


Fig. 2.

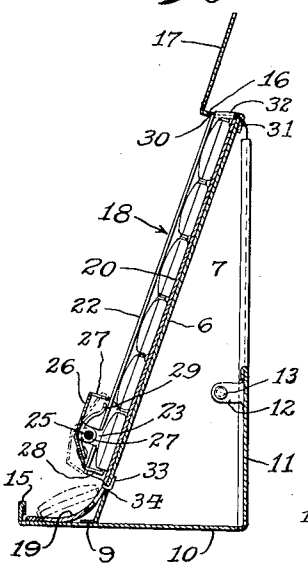


Fig. 3.

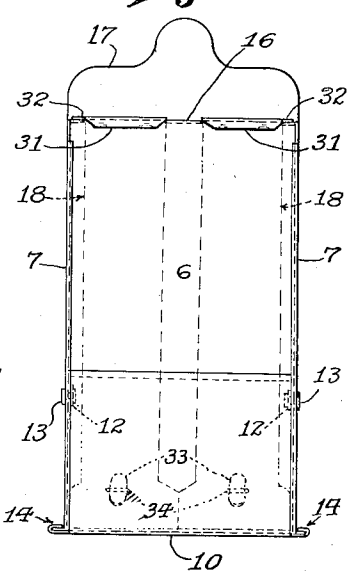


Fig. 4.

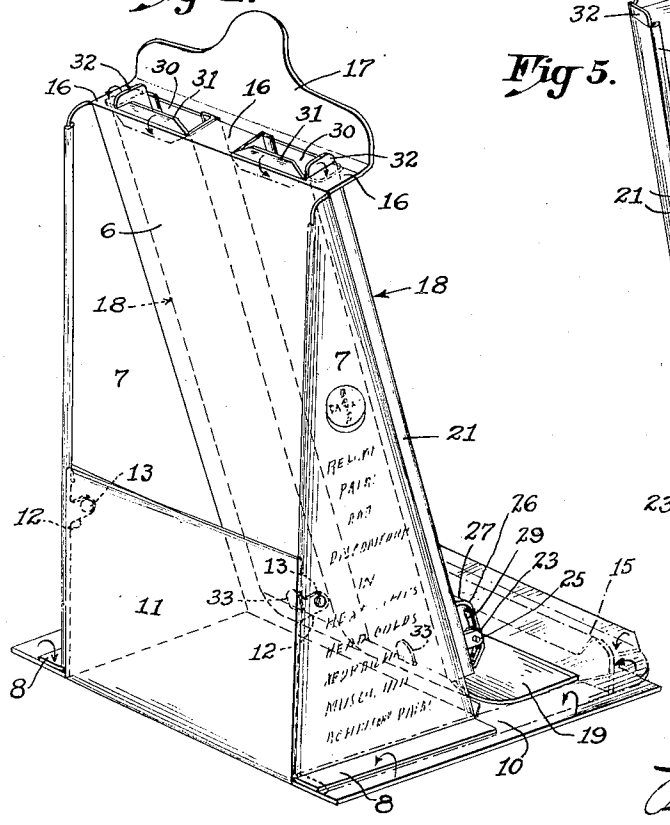
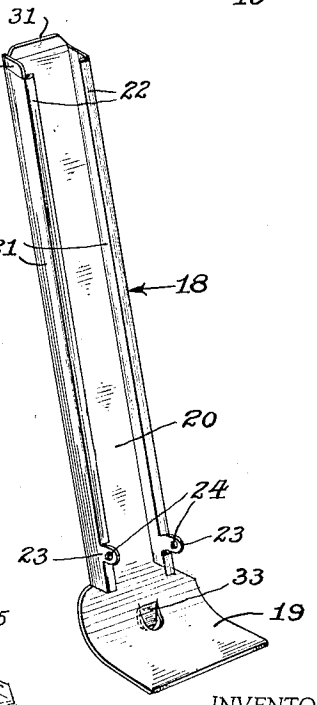


Fig 5.



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DISPLAY STAND

Henry Hermani, Baltimore, Md., assignor to The Bayer Company, Inc., New York, N. Y., a corporation of New York

Application September 23, 1933
Serial No. 690,734

8 Claims. (Cl. 312—70)

My invention relates to improvements in display stands adapted to contain and display packages or boxes of merchandise, and from which the packages or boxes may be dispensed one at a time.

Display stands constructed in accordance with my invention are preferably made of sheet metal, the parts being fashioned and assembled with facility, and the completed stand preferably having a front wall inclined upwardly and rearwardly with channels thereon to receive the packages or boxes. Each channel preferably has an open front so that the boxes or packages therein are conspicuously displayed. Each of the channels also preferably has at its bottom a dispensing member easily operated to permit the lowermost package or box in each channel to drop by gravity on to a surface at the base of the stand.

The complete objects and advantages of the invention will be specifically pointed out and referred to during the course of the following detailed description of the accompanying drawing, in which

Fig. 1 is a front elevation of the stand embodying the invention;

Fig. 2 is a sectional view taken on the line 2—2 of Fig. 1;

Fig. 3 is a rear elevation of the stand shown in Fig. 1;

Fig. 4 is a perspective view of the stand shown in Fig. 1 looking from the side and rear; and

Fig. 5 is a perspective view of one of the channel members.

In the drawing, the numeral 6 designates the inclined front wall of one blank forming part of the stand, said blank also having substantially triangular side walls 7, the rear edges of which are preferably bent in as shown in Fig. 4 to provide a smooth surface. The side walls 7 each have a lateral flange 8 at their bottoms and the front wall 6 preferably has a similar flange 9. The flanges 8 and 9 rest on a base 10, the rear portion of which is bent up to form a short back wall 11 disposed between the sides 7 and having ears 12 extending in toward the front wall 6 and secured to the side walls 7 by rivets 13. The rear wall 11 affords or imparts rigidity to the structure. The side edges or ends of the base 10 are folded over the flanges 8 as indicated at 14 in Fig. 3, and by the dotted lines and directions of the arrow in Fig. 4, to further secure the base to the sides. The forward or front end of the base 10 is folded upon itself and bent up to form a stop 15 for the purpose hereinafter explained.

The upper part of the wall 6 is bent forwardly to provide a horizontally disposed portion 16 substantially parallel with the base 10, and then is bent upwardly to provide a top 17, which may be of any shape and dimensions. As illustrated, top 17 may contain and prominently display advertising matter, and, if desired, particular trademarks identifying the goods which the stand contains.

The parts of the stand thus far described when assembled are ready to receive the supporting channels indicated generally by the numeral 18 in Fig. 5 and the dispensing member hereinafter described. Each of the channels 18 is also preferably formed of sheet metal fashioned to provide a curved lower wall 19, which, when the stand has two dispensing channels as shown in the drawing, is substantially half the width of the front wall 6 and of a length to terminate substantially at the abutment 15. Above the wall 19 is another flat wall 20 having integral sides 21 bent at substantially right angles thereto and parallel to each other, and each bent upon itself at its forward edge as indicated at 22 and then into substantial parallelism with the wall 20. The walls 21 are spaced apart a distance substantially the same as the length of the packages or boxes to be supported, and the flanges 22 are spaced from the walls 20 a distance substantially equal to the thickness of the packages or boxes, so that the boxes may be inserted from the top as hereinafter explained, and maintained in alined columns.

Adjacent their lower ends, the walls 21 are provided with ears 23, each provided with an opening 24 to receive a pin 25 on which is journaled a dispensing member 26. Each dispensing member 26 has inwardly projecting fingers 27 at its top and 28 at its bottom, and a leaf spring 29 is rigidly secured at its approximate center to the inner wall of the members 26 with its ends normally bearing against one of the flanges 22 to maintain the dispensing member in the full line position shown in Fig. 2 with the fingers 28 extending inwardly to adjacent the wall 20, so that the lowermost box or package will be supported thereon. In this position of the dispensing member, the upper fingers 27 are spaced from the wall 20 a distance substantially equal to the thickness of the packages or containers. Obviously, when the upper end of the plate 26 is pushed toward the wall 20, the fingers 27 will assume the dotted line position of Fig. 2, supporting the box or container immediately above the lowermost one, and the lower fingers 28 will be moved out to the dotted line position permit-

ting the lowermost package to slide down the front wall 19 into engagement with the stop 15, so that it may be removed. When the front wall is released the spring automatically returns the plate 26 to the full line position of Fig. 2, so that the fingers 27 release the box or container which they were holding and permit the same and the column of boxes to slide down, so that the lowermost will be again supported by the fingers 28.

To secure the channel members 18 to the stand, the portion 16 is provided with openings 30, and the wall 20 of each channel members is provided at its top with a flap 31 and one side wall 21 is provided with a flap 32. The openings 30 are substantially of the same dimensions as the outer dimensions of the channel members 18, so that the channel members may be inserted into the openings into the full line position shown in Fig. 4 and the flaps 31 and 32 bent down, the former against the wall 6 and the latter against the wall 16. To anchor the bottoms of the channel members to the stand, the walls 19 of the channel members have formed thereon tongues 33 and the wall 6 has slots 34 through which the tongues 33 are inserted, after which the tongues are bent up flatly against the wall 6. Thus, the channel members are firmly held on the wall 6 with their top edges disposed in the openings 30 and above the lower edge of the wall 17.

It should be obvious from the foregoing, that a very rigid and sturdy display and dispensing stand may be made from relatively light or thin metal sheets, the stand resembling a unitary or integral structure. The latter feature is due particularly to the fact that the flanges 14 are substantially flush with the walls 6, and the outer edges of the walls 19 and the upper ends of the chutes are concealed from the front, being disposed behind the top 17 in the openings 30.

The boxes or containers are inserted in the chutes through the openings 30 from the rear of the stand and slide down the chutes until the lowermost engages the fingers 28 which support the column of boxes or containers, except when the lowermost is being dispensed, at which time the fingers 27 will support the columns as hereinbefore explained.

The space between walls 6, 11 and sides 7 may be utilized as a storage or reserve supply bin.

I claim:

1. A display and dispensing stand of the character described comprising a sheet metal blank including front and side walls, the front wall being inclined upwardly and rearwardly and the side walls having lateral flanges at their lower ends, a second sheet on which said flanges and front wall rest, said second sheet projecting forwardly beyond said front wall and being bent up at its forward end and also being folded over the flanges on the side walls to secure said parts together, a channel member on the front of said front wall terminating above said second sheet to contain boxes and the like, and a dispensing member at the lower end of said channel member to hold the boxes therein in a column and operable to dispense them from said channel member.

2. A display and dispensing stand of the character described comprising a sheet metal blank including front and side walls, the front wall being inclined upwardly and rearwardly and the side walls having lateral flanges at their lower ends, a second sheet on which said flanges and front wall rest, said second sheet projecting forwardly beyond said front wall and being bent up at its forward end and also being folded over the flanges on the side walls to secure said parts together, the rear portion of said second sheet being bent up between said sides and secured thereto, a channel member on the front of said front wall terminating above said second sheet to contain boxes and the like, and a dispensing member at the lower end of said channel member to hold the boxes therein in a column and operable to dispense them from said channel member.

3. A display and dispensing stand of the character described comprising a sheet metal blank including front and side walls, the front wall being inclined upwardly and rearwardly and the side walls having lateral flanges at their lower ends, a second sheet on which said flanges and front wall rest, said second sheet projecting forwardly beyond said front wall and being bent up at its forward end and also being folded over the flanges on the side walls to secure said parts together, a channel member on the front of said front wall terminating above said second sheet to contain boxes and the like, a dispensing member at the lower end of said channel member to hold the boxes therein in a column and operable to dispense them from said channel member, and a curved plate between the dispensing end of said channel member and the bent up front end of the second sheet.

4. A display and dispensing stand of the character described comprising a sheet of metal blank including upstanding side walls and a front wall therebetween inclined upwardly and rearwardly, said front wall being bent forwardly at its upper end to provide a horizontally disposed portion provided with an opening, a channel member on the front wall having its upper end disposed in said opening, means holding said end in said opening, means holding the lower end of the channel member against movement relative to said front wall, and a dispensing member at the lower end of said channel member.

5. A display and dispensing stand comprising upstanding side walls and a front wall connected thereto, the upper part of said front wall being bent forwardly to provide a horizontally disposed portion and then upwardly to provide an upstanding top adapted to receive display matter, said horizontal portion having an opening, a channel member on said front wall to receive a column of boxes or the like and having its upper end in said opening behind said top, means holding the channel member against movements relative to said front wall and with its upper end in said opening.

6. A display and dispensing stand comprising upstanding side walls and a front wall connected thereto, the upper part of said front wall being bent forwardly to provide a horizontally disposed portion and then upwardly to provide an upstanding top adapted to receive display matter, said horizontal portion having an opening, a channel member on said front wall to receive a column of boxes or the like and having its upper end in said opening behind said top, means holding the channel member against movement relative to said front wall and with its upper end in said opening, means for dispensing the boxes from the lower end of said channel member, a curved wall at the lower end of said channel member down which the boxes slide when dispensed, and a stop for the boxes at the outer end of said curved wall.

7. A display and dispensing stand composed of sheet metal blanks, one having upstanding side

walls and a front wall inclined upwardly and rearwardly, the side walls having lateral flanges at their bottoms, a second blank comprising a base and having its side marginal portions folded over said flanges uniting said first blank to said base, the front marginal portion of said base being spaced from the lower end of said front wall and bent up to constitute a stop, channel members secured to said front wall and having their lower ends curved and terminating adjacent said stop, the upper part of said front wall being bent forwardly substantially parallel to said base and provided with openings, the upper end of each of said channel members being disposed within one of said openings, the said upper part of said front wall being also bent upwardly to provide a surface adapted to receive display matter, and a dispensing member at the lower end of each of said channel members adjacent the upper part of the said curved portions operable to discharge boxes or the like from said channel members down said curved portion toward said stop.

8. A display and dispensing stand of the character described comprising a sheet metal blank including upstanding walls and a front wall therebetween inclined upwardly and rearwardly, said front wall being bent forwardly at its upper end to provide a horizontally disposed portion provided with an opening, a channel member on the front wall having at least one tab on its upper end, said upper end being disposed in said opening and said tab being bent to prevent said channel from moving downwardly on said front wall, a cooperating tongue and groove on said front wall and channel member hold the lower end of the channel member against movement relative to said front wall, and a dispensing member at the lower end of said channel member.

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