

Dec. 8, 1931.

H. H. ELLIS

1,835,937

CONTAINER FOR PAPER CLIPS

Filed Dec. 3, 1930

2 Sheets-Sheet 1

Fig. 1.

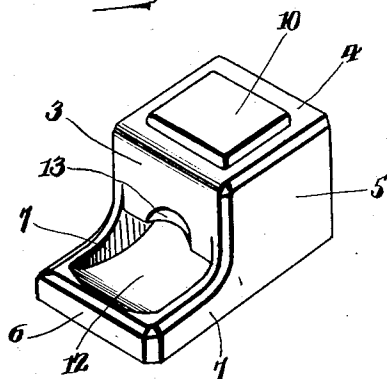


Fig. 2.

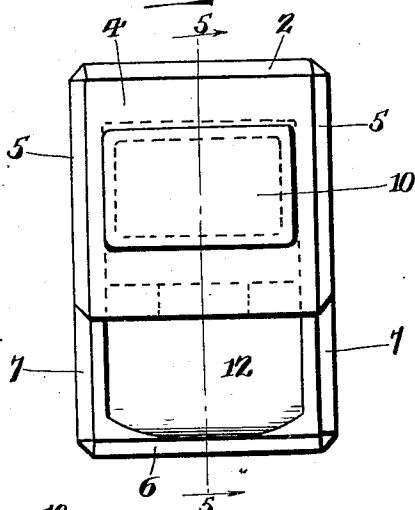


Fig. 3.

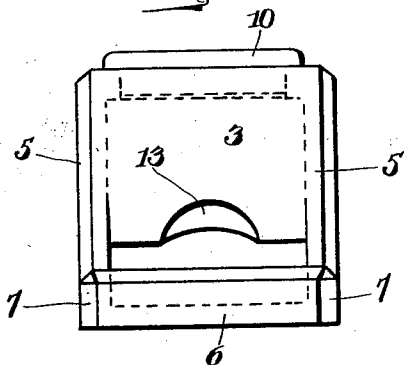


Fig. 4.

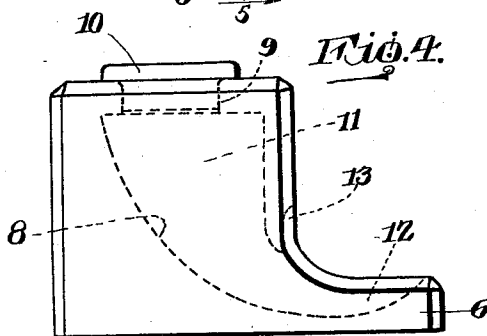


Fig. 5.

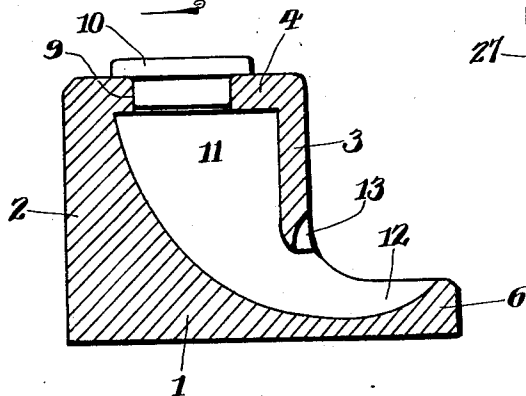
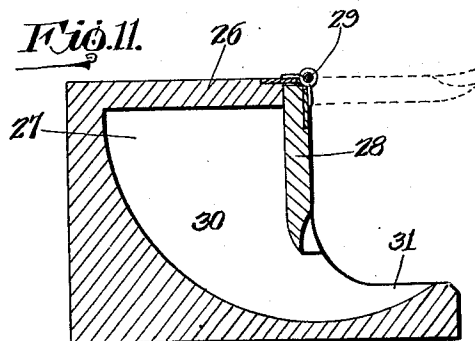


Fig. 11.



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2 Sheets-Sheet 2

Fig. 6.

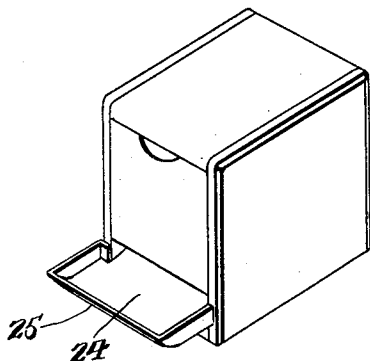


Fig. 7.

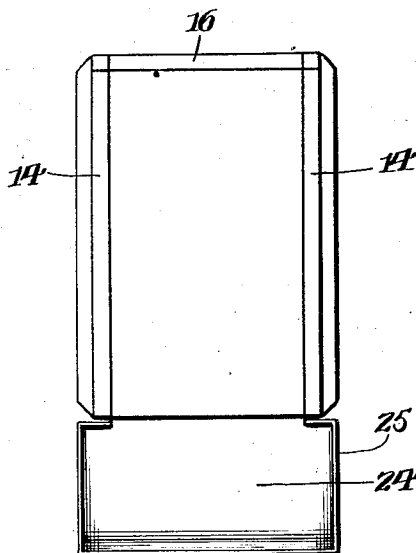


Fig. 8.

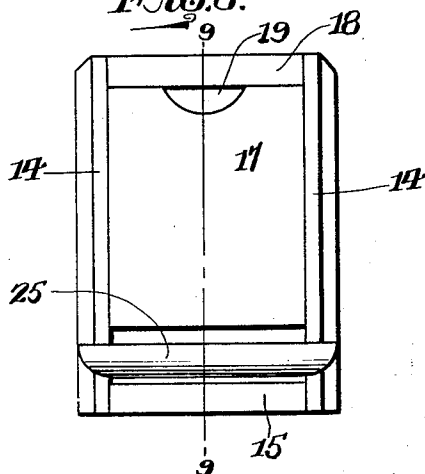


Fig. 9.

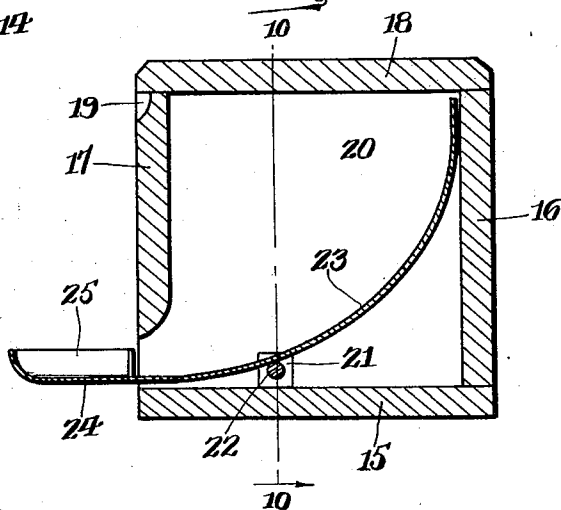
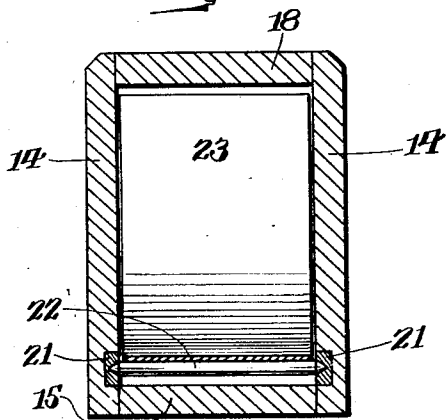


Fig. 10.



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CONTAINER FOR PAPER CLIPS

Application filed December 3, 1930. Serial No. 499,772.

This invention relates to a container for paper clips and has for its primary object to provide, in a manner as hereinafter set forth, an article of such character, by means of which a supply of paper clips may be stored and automatically fed to a delivery tray, from where the clips may be conveniently removed as it is desired to use the same.

A further object of the invention is to provide a container of the character aforesaid which is attractive in appearance, and in which the clips are concealed from view until the delivery thereof to the delivery tray.

With the foregoing and other objects in view, the invention consists of the novel construction, combination and arrangement of parts as hereinafter more particularly described, and as illustrated in the accompanying drawings wherein are shown embodiments of the invention, but it is to be understood that the description and drawings are to be taken as illustrative, and that the invention is intended to be limited only by the scope of the claims hereunto appended.

In the accompanying drawings in which like numerals are employed to designate like parts throughout the several views:

Figure 1 is a perspective view of a container in accordance with this invention.

Figure 2 is a top plan thereof.

Figure 3 is a front elevation thereof.

Figure 4 is a side elevation thereof.

Figure 5 is a vertical section taken at a point indicated by the line 5—5 of Figure 2.

Figure 6 is a perspective view of a modified form of the container.

Figure 7 is a top plan of the container shown in Figure 6.

Figure 8 is a front elevation thereof.

Figure 9 is a vertical section taken on the line 9—9 of Figure 8.

Figure 10 is a vertical section taken at a point indicated by the line 10—10 of Figure 9.

Figure 11 is a vertical section showing a further modified form of the invention.

Referring to Figures 1 to 5, a container in accordance with this invention includes a bottom wall 1, rear wall 2, front wall 3, top wall 4, and a pair of side walls 5, all of said walls

preferably being cast in one piece as shown. The bottom wall 1 projects forwardly beyond the front wall 3 and terminates at its forward edge in a thickened portion 6. The side walls 5 are formed with extensions 7 which also project forwardly of the front wall 3. The extensions 7 are of the same height as the forward portion 6 of the bottom wall 1 and merge into the portion 6 at the side edges of the latter. The front wall 3 is of materially less height than the rear wall 2 and the lower edge thereof terminates in spaced relation to the bottom wall 1.

The bottom wall 1 and rear wall 2 gradually increase in thickness in directions towards each other whereby an arcuate face 8 is provided for the interior of the container. The top wall 4 is formed with an opening 9 having a removable closure 10 in order that a supply of paper clips may be inserted into a chamber 11 provided by the walls 1, 2, 3, 4 and 5. Upon the introduction of the clips into the chamber 11, the clips slide along the arcuate face 8 to a tray 12 which is formed forwardly of the front wall 3 by the bottom wall 1 including its thickened portion 6, and the extensions 7 of the side walls 5. To facilitate the removal of the clips from the tray 12, the front wall 3 is formed in its forward face and adjacent its lower edge with a recess 13 for the insertion of a finger to remove a clip.

Referring to Figures 6 to 10, the container therein illustrated includes a pair of spaced side walls 14, between which is disposed a bottom wall 15, rear wall 16, front wall 17, and top wall 18. The lower edges of the side walls 14 are flush with the lower face of the bottom wall 15, and the rear wall 16 seats on the bottom wall 15. The front wall 17 and rear wall 16 terminate in spaced relation to the upper edges of the side walls 14, and the front wall 17 terminates at its lower end in spaced relation to the bottom wall 16. The top wall 18 is seated on the rear wall 16 and front wall 17, and is frictionally engaged by the side walls 14. The front wall 17 is provided in its forward face and adjacent its upper edge with a recess 19 for the reception therein of a thumb or finger to facilitate the

removal of the top wall 18 in order that a supply of paper clips may be inserted into a chamber 20 formed by the walls of the container.

5 Adjacent the bottom wall 15, the side walls 14 are provided in their inner faces with a pair of oppositely disposed bearings 21, within which are journaled the ends of a pin 22 extending transversely of the container. Ex-
10 tending over and suitably secured to the pin 22 is an arcuate plate 23, the forward ends of which project between the front wall 17 and bottom wall 15. Forwardly of the front wall 17, the plate 23 is formed with an en-
15 larged portion 24 which is provided at its outer edges with an upstanding flange 25. The enlarged portion 24, in connection with the flange 25, provides a tray for the recep-
20 tion of paper clips which slide along the plate 23 upon the deposit of the clips into the chamber 20. As the clips are removed from the tray, the plate 23 is slightly oscil-
25 lated, owing to its fixed connection with the pivotally supported pin 22, thereby agitating the clips within the chamber and preventing the clips from becoming clogged between the plate 23 and the lower edge of the front wall 17.

30 Instead of forming the container with a removable top wall, or providing the top wall with a removal closure, the container may be constructed in accordance with the form shown in Figure 11. In this form, the top wall 26 is integral with the side walls
35 27, and the front wall 28 is connected with the top wall by means of spring hinges 29. When it is desired to fill this form of container, the front wall is raised to the position shown in dotted lines, after which the
40 container is turned to position the front thereof upwardly. When the container is returned to its normal position, the clips will be passed from the chamber 30 to the tray 31 in the reverse order in which they entered the cham-
45 ber whereby the likelihood of the clips becoming clogged within the chamber is further decreased.

While the container is herein referred to as a container for paper clips, it is to be under-
50 stood that the same may be employed for containing other articles, such as pens, brads, or the like.

It is thought that the many advantages of a paper clip container in accordance with this
55 invention will be readily apparent, and although the container preferably will be constructed in accordance with one of the embodiments herein illustrated and described, it is to be understood that changes in the details
60 of construction may be resorted to, so long as such changes fall within the scope of the invention as defined in the appended claims.

What I claim is:—

65 1. A paper clip container including a chamber having its front wall terminating in

spaced relation to its bottom wall, an arcuate plate disposed within the chamber and projecting therefrom between the front wall and bottom wall, a tray formed on the forward end of the arcuate plate, and means for pivotally securing the plate to the sides of the chamber. 70

2. An article container including a chamber having its front wall terminating in spaced relation to its bottom wall, an in- 75 clined plate pivotally mounted within the chamber and projecting therefrom between the front wall and bottom wall, and a tray at the forward end of the inclined plate.

3. An article container including a cham- 80 ber having its front wall terminating in spaced relation to its bottom wall, an inclined plate disposed within the chamber and projecting therefrom between the front wall and bottom wall, a tray at the forward end of the inclined plate, and means extending trans- 85 versely of the inclined plate for pivotally connecting the same with the side walls of the chamber.

4. An article container including a cham- 90 ber having its front wall terminating in spaced relation to its bottom wall, an inclined plate disposed within the chamber and projecting therefrom between the front wall and bottom wall, a tray at the forward end of the inclined plate, and a pin secured to the bot- 95 tom of the plate, said pin extending transversely of the plate and having its ends journaled in the side walls of the chamber.

In testimony whereof, I affix my signature 100 hereto.

HARVARD H. ELLIS.

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