July 5, 1938. B. E. COLBURN 2,122,637

PAPER DISPENSER

Original Filed Oct. 19, 1936 2 Sheets-Sheet 1

Fig. 1

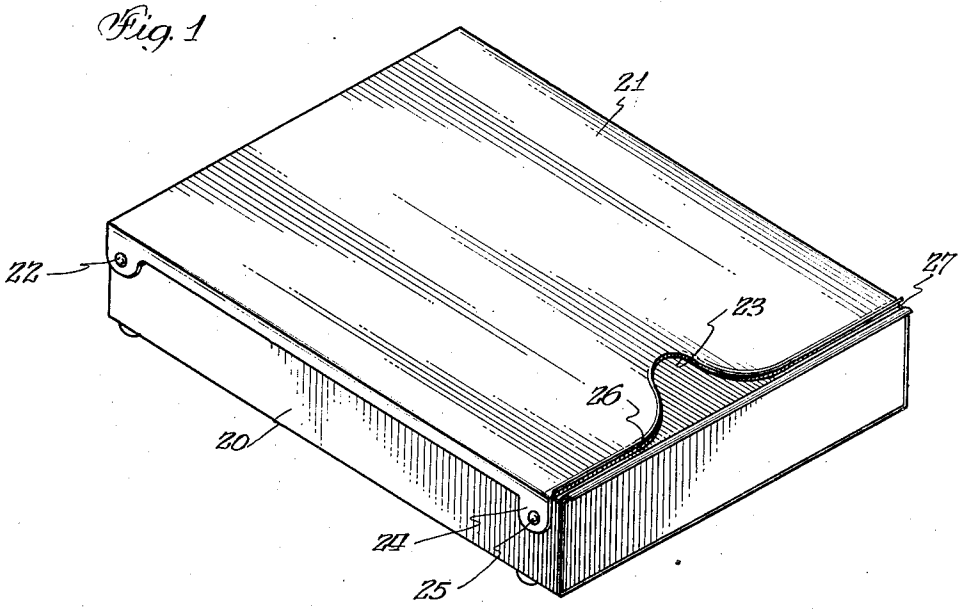
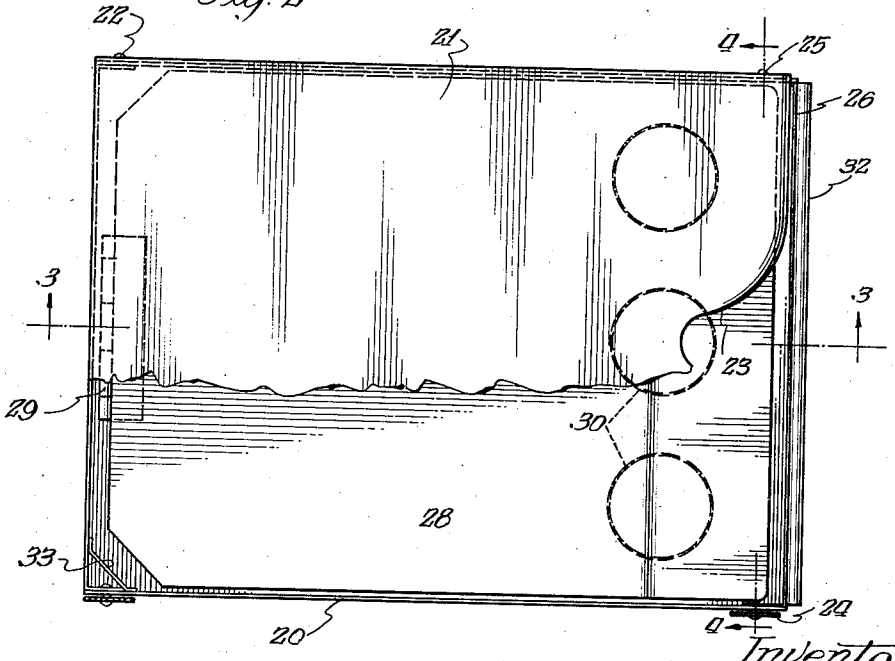


Fig. 2



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PAPER DISPENSER

Original Filed Oct. 19, 1936 2 Sheets-Sheet 2

Fig. 3

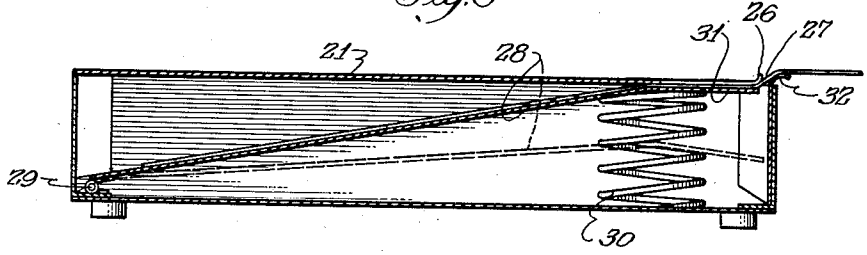


Fig. 4

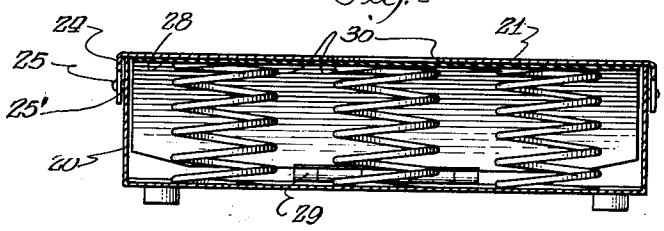


Fig. 6

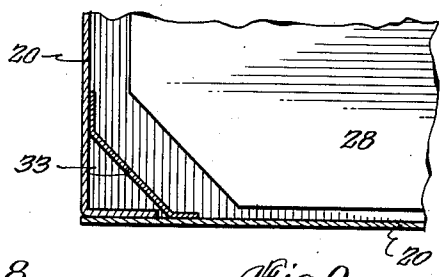


Fig. 5

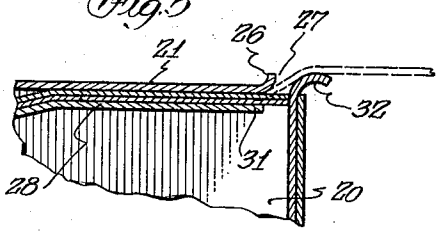


Fig. 7

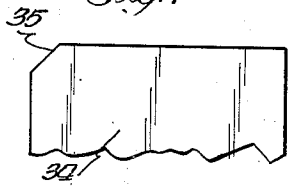


Fig. 8

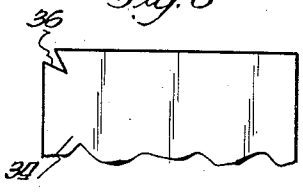


Fig. 9

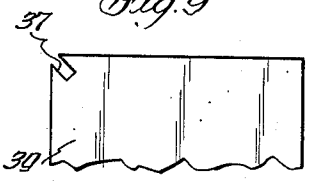


Fig. 10

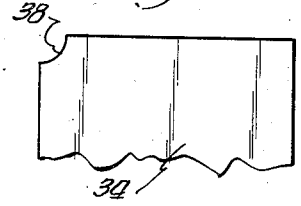


Fig. 11

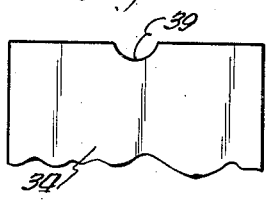
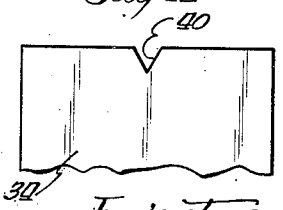


Fig. 12



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Patented July 5, 1938 2,122,637

UNITED STATES PATENT OFFICE

2,122,637

PAPER DISPENSER

Bearl E. Colburn, Green Bay, Wis.

Application October 19, 1936, Serial No. 106,268
Renewed March 11, 1938

1 Claim. (Cl. 312—61)

The invention relates to improvements in paper dispensers especially adapted for dispensing flat sheets such as sheets of waxed paper or the like, the primary object of the invention being the provision of an improved construction of this character which is capable of economical production and highly efficient in use.

Another object of the invention is the provision of an improved construction of the character indicated so constructed and arranged as to permit automatically the removal of not more than one sheet at a time from said dispensers.

Other objects will appear hereinafter.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings forming a part of this specification and in which

Fig. 1 is a perspective view of a paper dispenser embodying the invention;

Fig. 2 a top plan view thereof with portions of the cover member broken away to illustrate the underlying parts;

Fig. 3 a longitudinal section taken substantially on line 3—3 of Fig. 2 but showing a sheet of paper in position of withdrawal therefrom;

Fig. 4 a transverse section taken substantially on line 4—4 of Fig. 2;

Fig. 5 an enlarged detail section illustrating the operation of the device in permitting the withdrawal of one sheet but preventing the withdrawal of another;

Fig. 6 an enlarged detail view illustrating a guide projection employed in the construction;

Fig. 7 a partial plan view illustrating one end of a sheet of paper notched for use in the construction illustrated in Figs. 1 to 6 inclusive; and

Figs. 8, 9, 10, 11, and 12 are similar views of modified forms of sheets of paper designed for use with modified forms of guide projections.

The embodiment of the invention illustrated in the drawings comprises a rectangular sheet metal container 20 having an upwardly swinging cover member 21 pivoted or hinged at 22 and provided at its free or swinging edge with a finger notch 23 facilitating removal of sheets of paper from the container. At the sides of its free or swinging edge the cover member 21 is provided with depending ears 24 having outwardly struck bosses 25 cooperating with corresponding beads 25' on the sides of the container 20 to lock the cover member 21 releasably in closed position. The cover member 21 is made somewhat shorter than the container 20 and is provided at its swinging edge with an upwardly turned lip 26, thereby providing a withdrawal slot 27 permitting of the withdrawal of sheets from the container.

A sheet metal supporting plate 28 is hinged at 29 in the lower portion of the side of the container opposite the withdrawal slot 27 as shown and three coiled compression springs 30 are arranged as shown under the free or swinging edge of said support to press the same upward toward the underside of the cover member 21. The free or swinging edge of the support 28 is flattened at 31 so that it will assume substantially horizontal position when elevated.

The side of the container 21 adjacent the withdrawal slot 27 is provided with an upwardly and outwardly curved lip 32 arranged with the lower portion of its curve opposite the edge of the uppermost sheet 34 and the flat side of the container opposite the edge of the next to the uppermost sheet and whereby the uppermost sheet 34 may be readily withdrawn through the slot 27 but the next sheet will be stopped by the corresponding flat portion of the side of the container. In this manner, the removal of more than one sheet at a time from the container is automatically prevented.

A guide projection 33 is arranged as shown across one of the rear corners of the container 20 and the stack of sheets 34 designed for use with this particular form of container is provided with a notched corner 35 adapted and arranged to fit the projection 33 so that a stack of sheets positioned in the container on the support 28 will be thereby accordingly positioned in the container and nicely guided for removal through the slot 27.

In Figs. 8, 9, 10, 11, and 12 I have illustrated various modified forms of sheets 34 having different forms of guide notches 36, 37, 38, 39, and 40 in their edges. Obviously, these different forms of notches in the edges of the sheets may also be employed if desired, it being understood, of course, that corresponding projections must be provided on the corresponding wall of the container 20 to fit the same.

While I have illustrated and described the preferred form of construction for carrying the invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I therefore do not wish to be limited to the precise details disclosed, but desire to avail myself of such variations and

modifications as fall within the scope of the appended claim.

I claim:

A sheet dispenser comprising a container having an upwardly swinging top member somewhat shorter than said container to provide a withdrawal slot, there being a finger notch in the edge of said cover member adjacent said slot; means for releasably locking said cover member in closed position; an upwardly pressed downwardly yielding support pivotally mounted therein adapted and arranged to support a stack of sheets and yieldingly press the uppermost sheet upwardly against said top member, said support being hinged in the lower portion of said container at the side opposite said withdrawal slot and arranged to swing upwardly and downwardly therein, the swinging edge of said support being flattened to assume substantially horizontal position when elevated; an upwardly and outwardly extending curved lip at the side of said container adjacent said slot arranged with the lower portion of its curve opposite and on a line horizontal with the edge of the uppermost sheet and the flat side of the container opposite the edge of the next lower sheet thereby permitting the withdrawal of the uppermost sheet but stopping the withdrawal of the next sheet; and a guide projection in said container adapted and arranged to engage corresponding notches in a stack of sheets on said support.

BEARL E. COLBURN.