March 2, 1926. 1,575,564

J. G. FLEMING

GUMMING DEVICE

Filed June 16, 1924

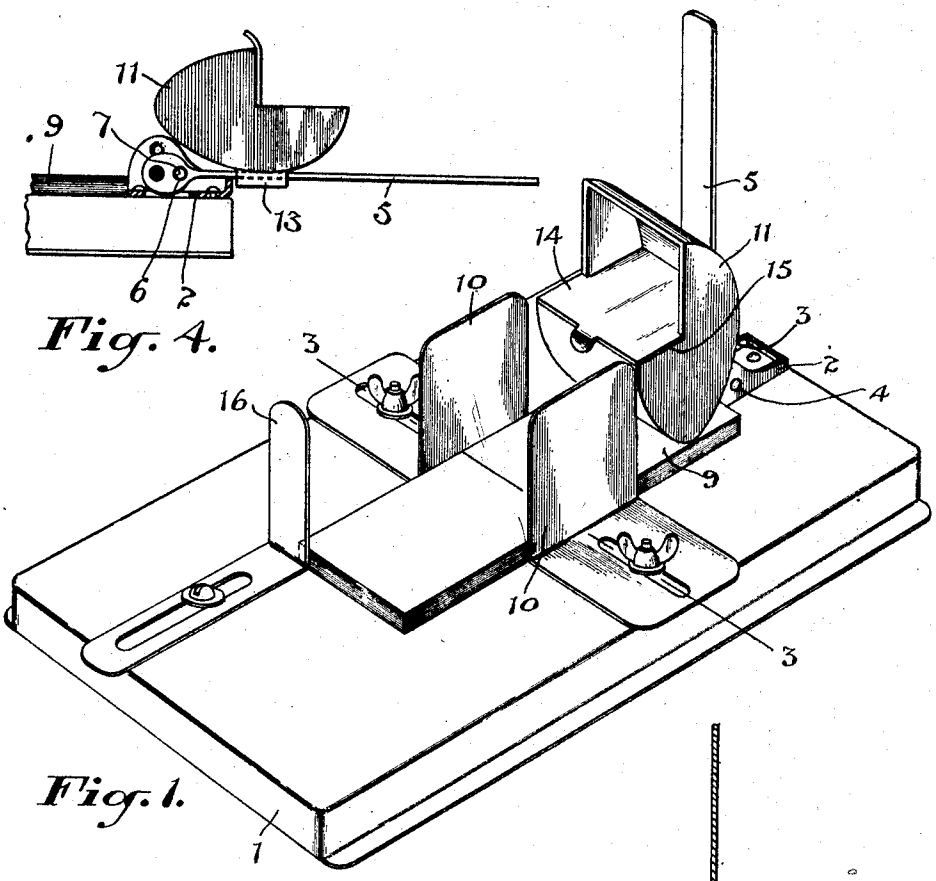


Fig. 4.

Fig. 1.

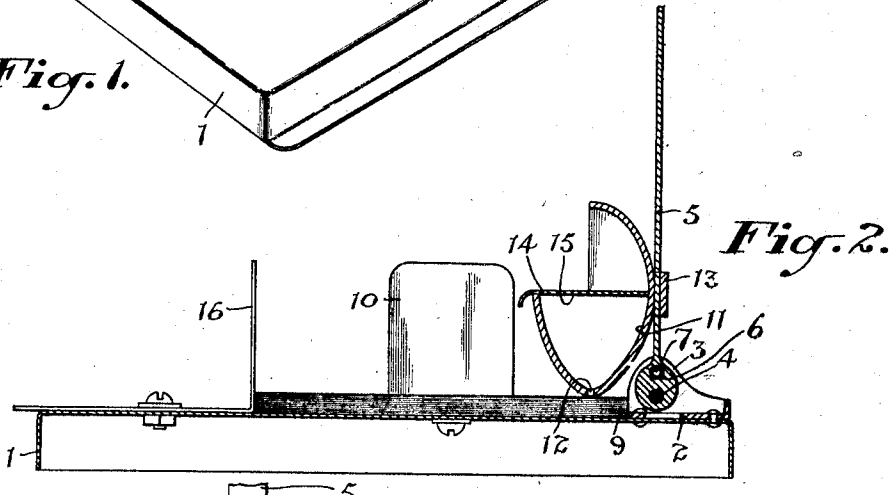


Fig. 2.

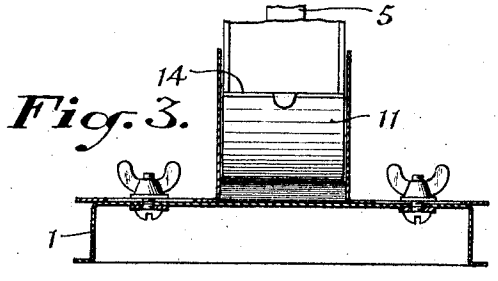


Fig. 3.

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UNITED STATES PATENT OFFICE.

JOHN GORDON FLEMING, OF TORONTO, ONTARIO, CANADA.

GUMMING DEVICE.

Application filed June 16, 1924. Serial No. 720,322.

To all whom it may concern:

Be it known that I, JOHN GORDON FLEMING, a subject of the King of Great Britain, and resident of the city of Toronto, county of York, Province of Ontario, in the Dominion of Canada, have invented certain new and useful Improvements in a Gumming Device, as described in the following specification and illustrated in the accompanying drawings, that form part of the same.

The principal objects of the invention are to facilitate the work of attaching labels and bands to articles of merchandise and to dispense with the expensive and disagreeable operation of applying gum to the labels, bands or wrappers in the manufacture of same.

A still further object is to obviate the inconveniences and loss in storing a supply of gummed labels or wrappers.

The principal feature of the invention consists in the novel construction of a gum feeding member and in the arrangement of a support therefor, whereby said member will apply gum in a limited quantity to bands, strips or labels stacked thereunder, and whereby the gum feeding member may be readily moved out of operation or returned to an operating position.

In the drawings, Figure 1 is a perspective view of my improved gumming device.

Figure 2 is a longitudinal mid-sectional view.

Figure 3 is a cross sectional view on the line 3—3 of Figure 1.

Figure 4 is a side elevational detail showing the position of the gum holder when not in use.

It has been the custom in the packaging of certain classes of goods to place a band around them and these bands have been gummed at one end and when used require to be moistened. The operation of gumming one end of a paper strip is expensive and difficult to perform and the present invention has for its principal object to dispense entirely with the pre-gumming of such strips and to provide a device which will effectively apply the gum as the strip is used.

In the construction herein shown the base 1 is preferably formed of stamped or sheet metal, though it may be of wood or any other suitable material and at one end thereof is secured to the top a bracket 2 provided with a pair of parallelly arranged perpendicular lugs 3.

A pin 4 extends horizontally between the lugs and on this pin is rotatably mounted a post 5, the bottom end encircling the pin, having a recess 6 therein in which is located a coil spring 7 and a steel ball which engages a hole in the adjacent lug of the bracket to hold the post in the vertical position.

The bracket 2 forms a stop for the paper strips 9 which are to be gummed and which are stacked on the base to any desirable height.

Adjustable side guide plates 10 are arranged on the base to engage the sides of the paper strips to hold them in a perpendicular stacking.

Slidably arranged upon the post 5 is the gum dispensing receptacle 11 which is of a substantially oval shape in a vertical section and is provided with a row of small holes 12 in the apex of its lower end. These holes are arranged a suitable distance apart and feed the fluid gum on to the paper strips 9 stacked thereunder.

The receptacle 11 is formed with a loop 13 slidably encircling the post 5 so that the receptacle slides freely thereon following the stacked paper strips as each successive one is removed.

The upper portion of the receptacle is cut away from the top and front side to give access to the interior for placing the gum and for removing the gum or cleansing the receptacle and a temporary cover 14 is provided which fits between the side walls of the receptacle and rests upon the ledges 15.

An adjustable end guide 16 is arranged on the base and is adapted to abut the outer end corner of the paper strips being gummed.

In the use of this device, the receptacle is loaded with gum and the cover 14 is placed in position to keep the air from contact therewith. The receptacle is raised to any desirable height upon the post 5 and a stack of strips to be gummed are placed thereunder between the guides 10 and 16.

The operator withdraws the strips one at a time from beneath the gum receptacle and as the strip is withdrawn the gum feeds through the various holes and places a plurality of strips of gum upon the surface. The surface when thus gummed is ready to be placed around the article it is to enclose

and the opposite end overlaps the free end and is immediately secured.

When the operator desires to temporarily discontinue the use of the strips the gum receptacle may be very readily placed out of commission by simply swinging the post 5 on its pivot outwardly and the receptacle is then turned to a horizontal position so that the gum flows away from the holes and the device will be ready for immediate service when required. This feature of stopping the flow of the gum is extremely simple but very effective.

What I claim as my invention is:

1. In a gumming device, a gum receptacle having feeding openings, and means for supporting said gum receptacle adapted to be operated to remove the receptacle from engagement with the sheets to be gummed and coincidentally interrupting the feeding of the gum.

2. A gumming device, comprising, a base, a post pivotally supported on the base and extending in a vertical position, a gum receptacle slidably mounted on said post and having a plurality of feeding openings, said post along with said slidable receptacle being adapted to be swung away from said base into a horizontal position to interrupt the feeding of the gum.

3. A gumming device, comprising, a base, a bracket secured at one end of the base, a post pivotally mounted in said bracket, a spring latch member adapted to hold said post in a vertical position, a receptacle having feeding openings in one end and formed with a loop slidably encircling said post.

4. A gumming device, comprising a base, a post pivotally mounted at one end of the base and adapted to extend in a vertical position, an oval-shaped receptacle having an opening in one side and holes in the apex for feeding the gum, and a cover extending into the receptacle through the opening in the side and adapted to close the lower half.

JOHN GORDON FLEMING.