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PORTABLE WRAPPING DEVICE FOR NEWSPAPERS

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FIG. 1

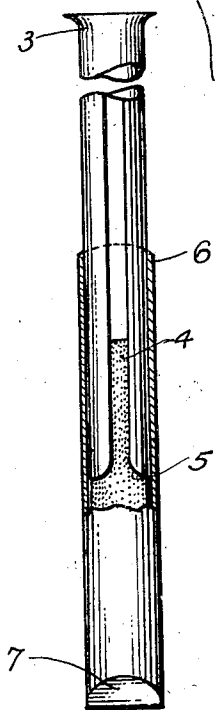
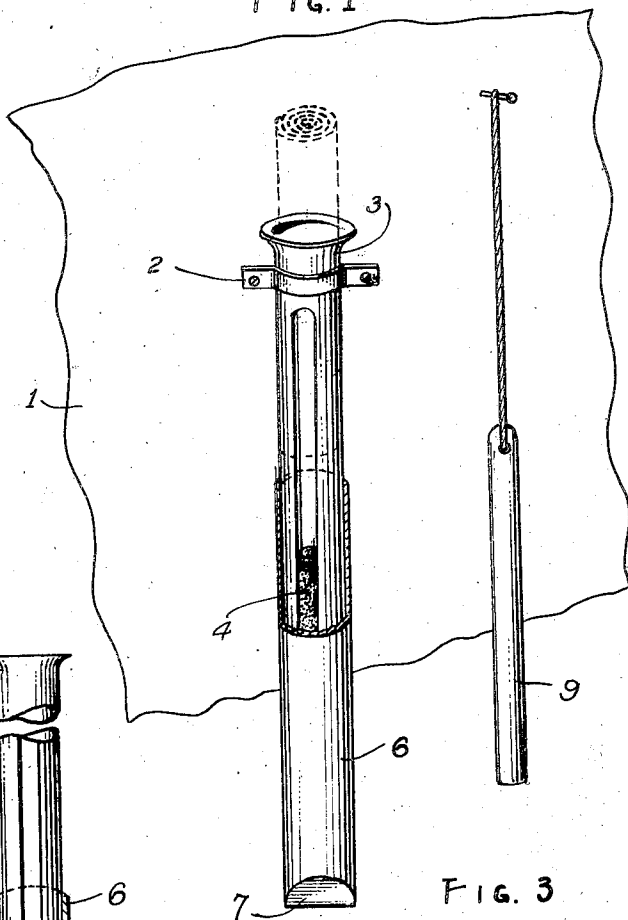
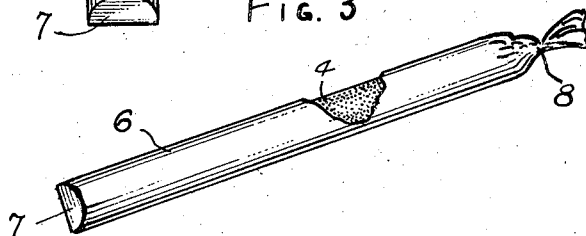


FIG. 2

FIG. 3



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PORTABLE WRAPPING DEVICE FOR
NEWSPAPERS

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1 Claim. (Cl. 226-18)

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This invention relates generally to wrapping devices and more particularly to a device adapted to be mounted on the carrier vehicle travelling the delivery route, and so constructed that the carrier or an assistant may, while the carrier vehicle is in motion, rapidly, easily and conveniently, wrap the individual newspapers or the like in tightly rolled formation so that the latter will be protected against rain and snow by means of a water-proofed container.

Among the important objects of my invention are the production of such a device, having but few parts, very economically constructed and having little or nothing to get out of order, and which is relatively so small and compact that the same may be mounted practically inconspicuously and yet serve every purpose for which such a device is intended.

Another object of this invention is to so construct the same as to employ water-proofed paper bags for receiving the newspapers and retaining them in the rolled formation required for usual delivery to the many points along the delivery route traversed by the carrier vehicle.

A further object of my invention is to so construct the device that the bags need only be slipped thereonto in place to receive the newspapers, said device being of such size and shape that it will frictionally engage the bags so slid into place thereon and hold the same gripped while loading the papers therein, the final phase of loading acting to release the bags for subsequent closure.

A still further object of my invention is to so construct a wrapping device of the kind described, that there will be no tendency that the relatively hard and sharp edges or corners of the tightly compacted roll will engage or tear the sides of the paper bag while it is actuated to fill the latter, the paper bag being held concentrically spaced about the newspaper roll as the latter is actuated into position for wrapping within the bag.

Other objects of the invention are to construct a device of the kind described, which will be neat and attractive in appearance, and efficient and satisfactory for use wherever deemed applicable.

Many other objects and advantages of the construction herein shown and described, and the uses mentioned, will be obvious to those skilled

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in the art to which this invention appertains, as will be clearly apparent from the disclosures herein given.

To this end, my invention consists in the novel construction, arrangement and combination of parts; and the method of using the same, as herein shown and described, and as will be more clearly pointed out in the claim hereunto appended.

In the drawings, wherein like reference characters represent like or corresponding parts throughout the views,

Figure 1 is a perspective elevation of my device mounted in place on a supporting wall, the wrapper bag being affixed ready for filling;

Figure 2 is a side elevation of the guide element, with the wrapper bag thereon, and the newspaper at its lowest position in the bag, immediately prior to stripping the bag and contents from the guide element; and

Figure 3 is a perspective view, illustrating the wrapper in place, and its end twisted, as delivered.

Referring more particularly to the drawings, wherein I have illustrated a preferred embodiment of my invention, there is indicated any suitable supporting wall 1, as for instance the inner side of one of the side walls of a motor truck or other vehicle used by carriers for the distribution of newspapers or the like along a route.

These newspapers are thrown to the lawns, porches or other convenient locations of the houses along the route, and from whence the householders will remove them subsequently, many carriers compacting each newspaper into tight, compact rolls for greater accuracy and ease in distribution as they travel along their routes.

When it rains or snows, the papers must be protected before distribution by the carrier, and many carriers wrap the same in water-proofed sheets as an outer covering, wiring the sheets in place or otherwise securing them. However, this operation is not only troublesome and tedious, but it requires too much of the small floor space of the vehicle.

To overcome these faults, I have constructed a wrapping device that will occupy none of the floor space of the vehicle at all, and even the wall space it will occupy is so tiny that the device is

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substantially inconspicuous when mounted. Thus, even when not in use, it will not interfere in any way with the customary handling of the papers or decrease the effective working space within the vehicle.

To this end, I have provided a mounting bracket 2, such as the band or collar shown, which is secured to one of the side walls of the carrier vehicle, as indicated at 1, and from whence the wrapping device is suspended.

An enclosure or guide member 3, in the general shape of a tube, chute, sheath, sleeve, etc., is supported by the bracket 2, said guide member being greatly elongated and open throughout its length, and wherein the open top end serves as the intake end for the newspaper or the like, which has been previously formed into a tight roll 4, the roll passing through the guide member and from whence it may be ejected through the open discharge end 5, while in such roll form.

The outer periphery of the guide member 3 is preferably gradually decreased toward the discharge end of the guide member, in order to more effectively cooperate with the wrapper bags, as will now be described.

These wrapper bags 6 are made suitably waterproofed to properly protect any contents from the rain and snow, and are of generally elongated shape so as to more than amply take the full length of the rolled newspaper in a manner to be more clearly hereinafter set forth. These paper bags 6 may have their bottoms 7 sealed, and there is sufficient extension at the other end of the bag to enable the same to be twisted or otherwise sealed to form the closure 8 thereat. Obviously, when the newspaper roll is assembled within the paper bag, sealed at both ends, the package may be distributed in the usual manner, as by hurling from the carrier vehicle.

On account of the outer taper of the lower portion of the guide member 3, and the proportioning of the paper bags 6, the latter may be passed upwardly on the former, with the open mouth of the bag in registry with the discharge end of the guide member, for a predetermined distance. This substantially uninterrupted passage or sliding of the bag on the guide member will cease as soon as the frictional resistance between the bag and guide member becomes great enough to prevent free movement therebetween. When this condition obtains, and which in the embodiment shown is at about mid-length of the bag, the bag will then be sufficiently tightly gripped so as to be supported solely by the guide member, so that said bag thus suspended may entirely receive the rolled newspaper and have an overlap out of which to form the sealing or closure twist 8.

The newspapers or the like are stacked on the vehicle floor, and these papers are removed one at a time from such stacked piles and wrapped in the herein-described device. Each paper is made into a compact, relatively tight roll 4, and then inserted into the intake end of the wrapping device.

The open mouth of the paper bag is passed upwardly encircling the guide member, the movement of the bag ceasing when the frictional resistance between the cooperating surfaces of the bag and guide member becomes sufficiently strong for the purpose, and in which position the bag is sturdily supported without further manual aid, and with a goodly portion of the bag suspended below the discharge end of the guide member.

The newspaper, held in roll formation, is pressed downwardly through the guide member

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until the top of the roll is substantially entirely within the guide member, and with the lower portion of the roll being concentrically within the enclosing portion of the paper bag.

To assist further movement of the roll, it is then pressed toward the bottom of the paper bag, past the discharge end of the guide member, with any suitable tool, such as a pusher rod 9 suspended handily adjacent the wrapping device, and as soon as the roll has seated on the bag bottom, the continued actuation of the same will strip or release the bag from the bag holder or guide member, inasmuch as this pressure is now sufficient to overcome the frictional grip holding the bag in place. After the bag and contents have been discharged or ejected from the wrapping device, the extension portion of the bag end may be given a final twist to form the closure 8, whereupon the package may then be handled without danger of accidental opening, to the various points of delivery.

Newspapers made into rolls generally have sharp corners or projections thereon, such as would easily tear through the material of the paper bags, if there was interengagement between the two during the sliding movement of the roll into the bag, and it will be noticed that in my device, the bag and paper roll are concentrically spaced apart by the bag-holding and roll guide member, so that the passage of the roll into the bag is had without side engagement and the roll reaches the bottom of the bag safely. Of course, there is a slight pressure of the roll against the bottom of the bag in order to strip or release the latter, but this is but momentary and is against a very strong part of the bag, so that there is no danger of tearing the bag thereat, even if the roll has any sharp corners engaging the bag bottom.

It is apparent that inasmuch as the bag is substantially automatically supported on the guide member as soon as the former has been moved the required distance on the latter, both of the hands of the operator are then free for performing his many and varied duties, such as rolling the papers, inserting them through the wrapping device, twisting the one end after they leave the latter, and then hurling them to the points of delivery, and these operations may be done rapidly, easily and conveniently.

Having thus described my invention, it is obvious that various immaterial modifications may be made in the same without departing from the spirit of my invention; hence I do not wish to be understood as limiting myself to the exact form, arrangement, construction and combination of parts herein shown and described, or the uses mentioned or method employed, except as limited by the state of the art to which this invention appertains, and the claim hereunto appended.

What I claim as new and desire to secure by Letters Patent is:

A device for wrapping a newspaper or the like, comprising a longitudinally extending upright chute open at its upper insertion end and at its lower discharging end to permit passage of a rolled newspaper therethrough into an opened bag, said chute being substantially rigid and decreasingly tapered externally toward said discharge end so that said opened bag may be freely passed onto said chute for a limited distance and thence be frictionally gripped to limit further passage and held by said chute until forcibly

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released and stripped from said chute by the discharge movement of the newspaper within the bag.

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