

(No Model.)

G. L. KENNEDY.
PAPER BAG HOLDER.

No. 415,463.

Patented Nov. 19, 1889.

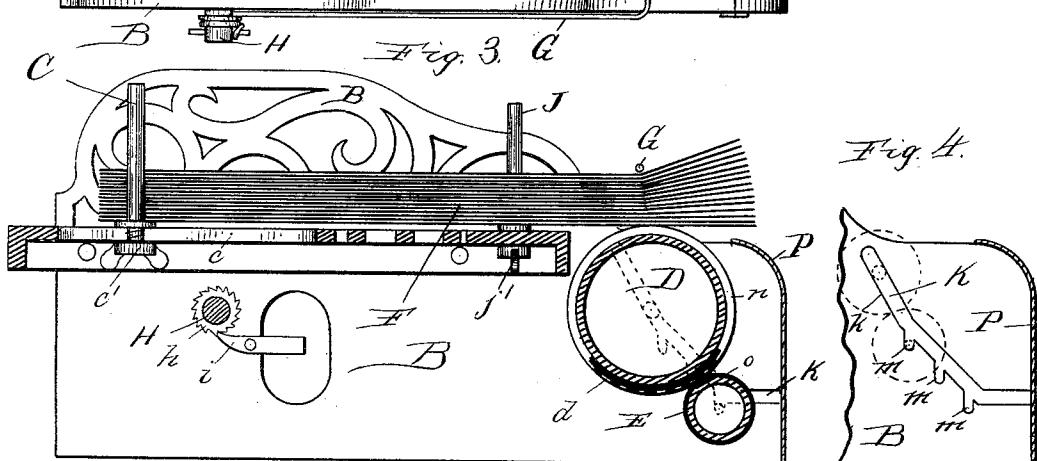
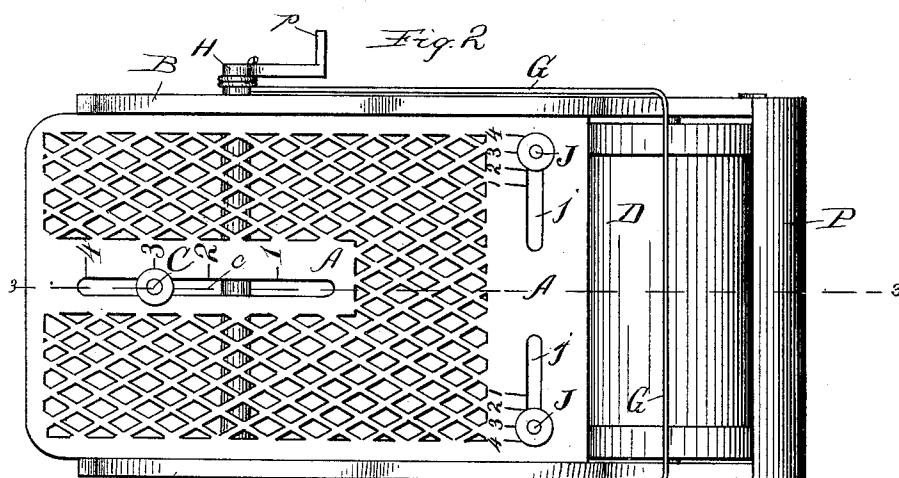
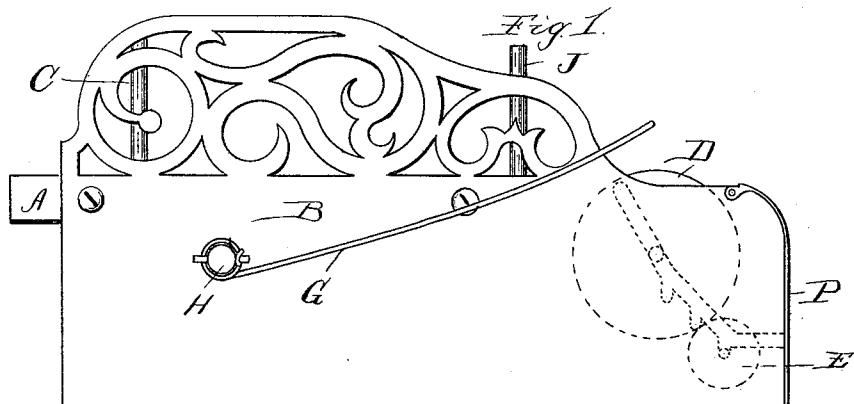
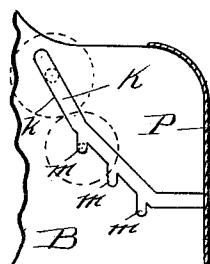


Fig. 4.



Witnesses:

Geo. C. Curtis.
A. Munday

Inventor:
Guy L. Kennedy
By Munday, Evans & Cook
His Attorneys.

UNITED STATES PATENT OFFICE.

GUY L. KENNEDY, OF CHICAGO, ILLINOIS, ASSIGNOR, BY MESNE ASSIGNMENTS, TO THE MERCHANTS ROLL PAPER SUPPLY COMPANY, OF SAME PLACE.

PAPER-BAG HOLDER.

SPECIFICATION forming part of Letters Patent No. 415,463, dated November 19, 1889.

Application filed May 3, 1889. Serial No. 309,444. (No model.)

To all whom it may concern:

Be it known that I, GUY L. KENNEDY, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Paper-Bag Holders, of which the following is a specification.

This invention is an improved device for holding paper bags, which is provided with means for automatically printing upon such bags the advertisement of the store-keeper as they are withdrawn from the holder.

The holder of my invention may consist of any receptacle or structure capable of holding the bags in an evenly-arranged pack or file. The form which I prefer consists of a support for the batch or package of bags and a spindle or pin upon which the bags may be threaded at their top or open ends, the latter acting to prevent their slipping out through friction by one upon its neighbor. It is now customary in many instances to perforate the top ends of the bags and thread them upon a cord or hook by which they are hung up, and from which they are pulled as they are needed, being torn from the hook in so withdrawing them, and hence the bags need no special perforation or change in their construction to adapt them for use in my holder.

With this holder I combine a printing-roller so placed therein that the bag is necessarily drawn over and actuates the roller as it—the bag—is withdrawn from the holder. The printing-roller is preferably so proportioned relative to the bag that the latter will actuate it through one complete revolution and no more, thus enabling the printing of the bags uniformly at their longitudinal centers or other portion where the printing may be desired, each bag leaving the roller in the correct position for the proper printing of the following bag.

My invention further embodies certain features of construction—such as the manner of supporting the printing-roller, the adapting of the holder to use with various sizes of bags, and the provision of a pressure device acting to force the bags against the printing-roller—all of which are fully set forth below.

The accompanying drawings show, at Figure 1, a side elevation, at Fig. 2 a plan, and at

Fig. 3 a central vertical longitudinal section, of my invention. Fig. 4 is a detail showing the bearings for the type and inking rollers.

In said drawings, A represents a table or support upon which the pile of bags is placed.

B B are side pieces which may project above the table and act to confine the bags at their side edges.

C is a pin located centrally at one end of the table and adapted to pass through the usual perforations in the open ends of the bags.

D is a printing-roller provided with a type-plate d. It is located at the end of the table and provided with bearings in the side pieces B. E is the inking-roller, also provided with bearings in said side pieces.

The pile of bags shown at F is placed in the holder, with one end exposed for convenience in taking hold of them and drawing them out, as indicated at Fig. 3, and it will be noticed from said figure that if the lower bag be drawn out it will pass over the printing-roller and rotate the same, and that the type-plate will be thereby brought into contact with the bag at about the longitudinal center of the latter, thus making the impression at what would generally be regarded as the most desirable point. It will also be noticed that the circumference of the printing-roller is about equal to the length of the portion of the bag which is drawn over it, so that each bag rotates the roller one revolution, as nearly as may be, thereby leaving the roller in the proper position for the printing of the succeeding bags.

The bags are impressed upon the type-roller preferably by a spring—such as is shown at G—the same being a U-shaped wire secured at its ends to a shaft H and bearing at the central portion on the bags. The shaft H is provided with a ratchet h, and is made by means of said ratchet and the gravity-pawl i to hold the spring down to its work. If a new package of bags is to be inserted in the holder, the gravity-pawl is released by the finger, and the spring may then be swung up to a vertical position and out of the way.

To adapt the holder to use with bags of different sizes, I make the pin C upon which they are threaded adjustable by inserting it

in a longitudinal slot *c* in the table, and providing it with a thumb-nut *c'* for tightening it in whatever position it may be placed. For this same purpose also, side guides *J*, placed 5 in transverse slots *j* in the table and having similar tightening-nuts *j'*, may be employed. When shorter or longer bags are used, the diameter of the type-roller should be correspondingly diminished or increased, and to 10 accommodate such changes in diameter I provide the holder with bearings therefor, allowing several different positions for the journals of the type-roller and inker, and for convenience in inserting and removing the rollers I prefer to make these bearings in long open slots *K* in the side pieces. Such slots *K* are preferably inclined at their upper ends, as shown at *k*, and they are provided also 15 upon their under sides with branches or pock- 20 ets *m*, these latter being intended to receive the journals of the inker and to afford it a stationarily-located axial point, while the upper portions *k* give place to the journals of the printing-roller. When the inker is placed 25 in either pair of these branch slots, it is 30 adapted to sustain the printing-roller in the upper inclined portion of the main slot, both rollers being preferably provided with annular ledges *n* and *o*, adapted to keep the inker 35 from contact with any portion of the type-roller except the type-plate. By making the portion of the slot in which the type-roller journals rest inclined, as shown, the weight of the type-roller is borne partially by such 40 bearings.

In Fig. 4 I have illustrated a roller of a smaller size than the roller shown in the other figures, and also the proper position of the inker for use with such smaller roller.

The shaft *H* is preferably provided with a 45 crank *p* for throwing up the spring when released by the pawl. The spring *G* might be made of unyielding metal; but in that case the ratchet would need to be tightened frequently as the pile of bags diminished in thickness. A guard *P* may be placed in front of the type-roller and inker to prevent contact by the hand with those parts when taking hold of the bags.

I claim—

1. The paper-bag holder consisting of a stationary table or support, a printing-roller located at the end of the table with its upper surface on a level therewith, a pin upon which the bags may be threaded, and a spring-pressure device for compressing the bags upon the roller, substantially as specified. 50
2. The combination, with the holder having a stationary table or support for the bags, and a pin upon which they may be threaded, 60 of a printing device located at the end of the table, substantially as specified.
3. The paper-bag holder consisting of a table or support, a printing-roller across which the bags are drawn, a pin upon which the bags may be threaded, and means for confining the bags at the side, so that when drawn out and printed the impression will be made upon the proper part of the bag, substantially as specified. 65
4. A printing-roller provided with long slot-bearings, in combination with an adjustable inking-roller sustaining said printing-roller, substantially as specified. 70
5. A holder for paper bags provided with a slot *K*, having an upper portion to receive the journals of the printing-roller and another portion having branches to receive the journals of the inker, in combination with such roller and inker, substantially as specified. 75
6. The combination, in a holder, of the printing-roller having long slot-bearings, and an inker having fixed bearings and sustaining said printing-roller, substantially as specified. 80
7. The holder having the pin upon which the bags are threaded adjustable longitudinally, and side guides adjustable transversely, in combination with a printing-roller, substantially as specified. 90

GUY L. KENNEDY.

Witnesses:

EDW. S. EVARTS,
H. M. MUNDAY.