E. M. KICK.

PRINTING ATTACHMENT FOR PAPER WRAPPING HOLDERS.

APPLICATION FILED APR. 23, 1918.

1,282,237.

Patented Oct. 22, 1918.

2 SHEETS—SHEET 1.

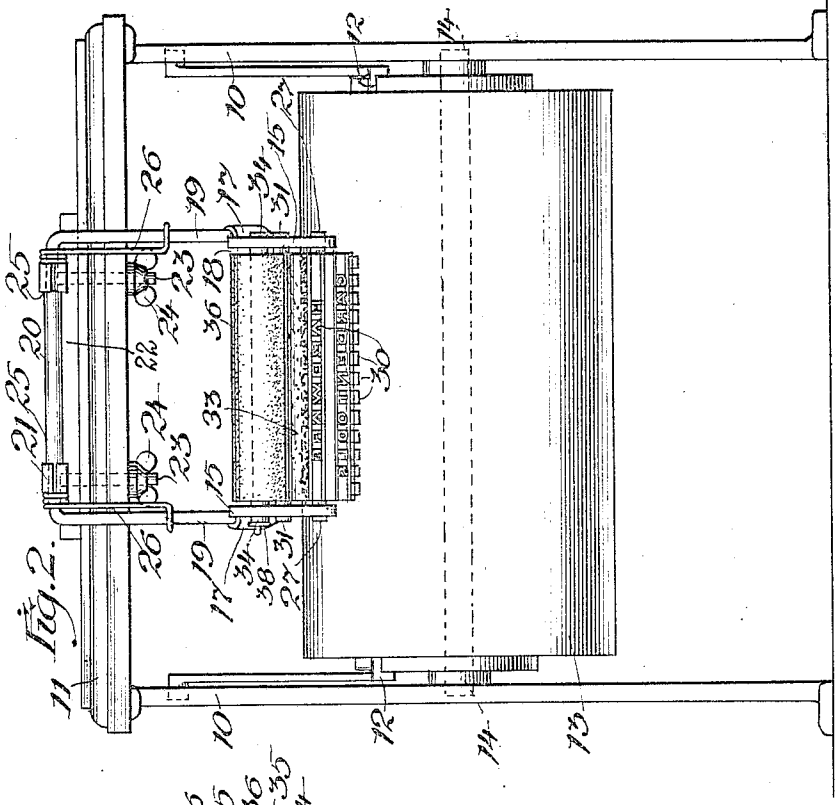


Fig. 2.

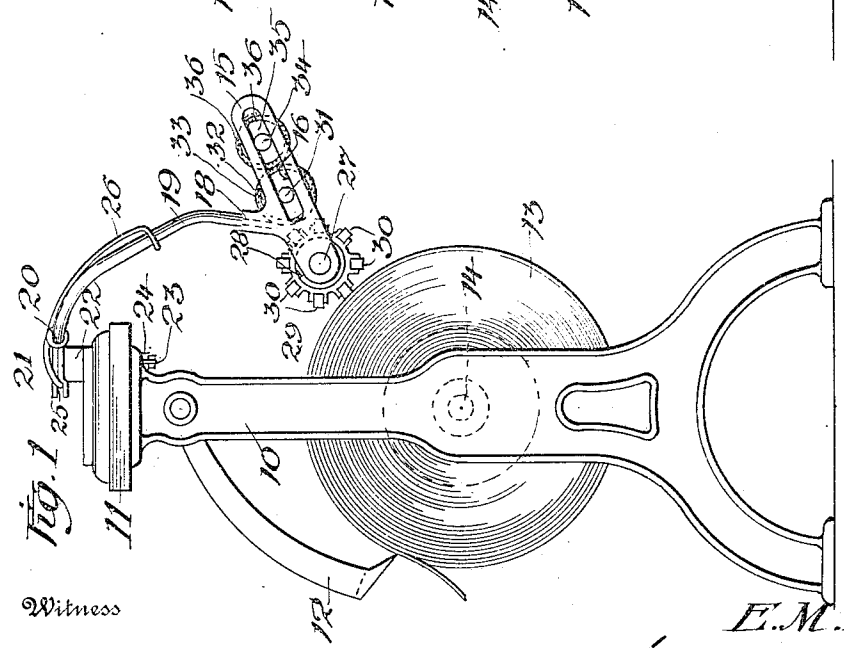


Fig. 1

Witness

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2 SHEETS—SHEET 2.

Fig. 4.

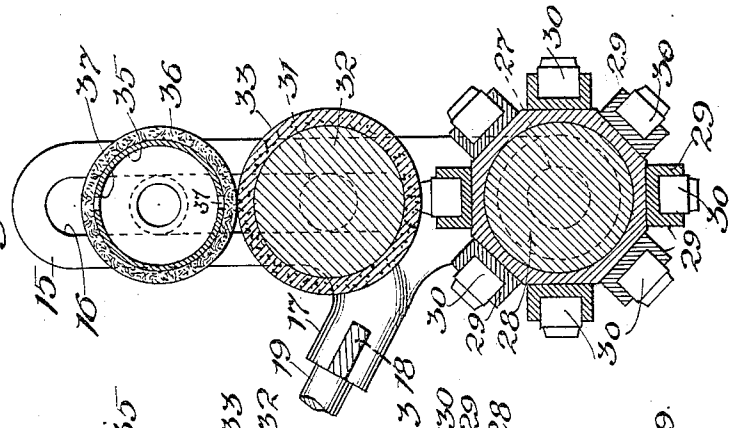


Fig. 3.

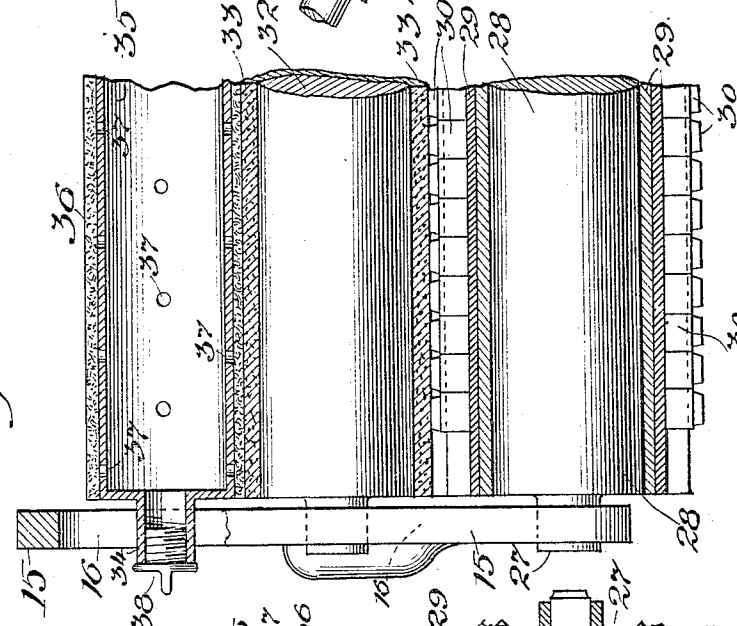
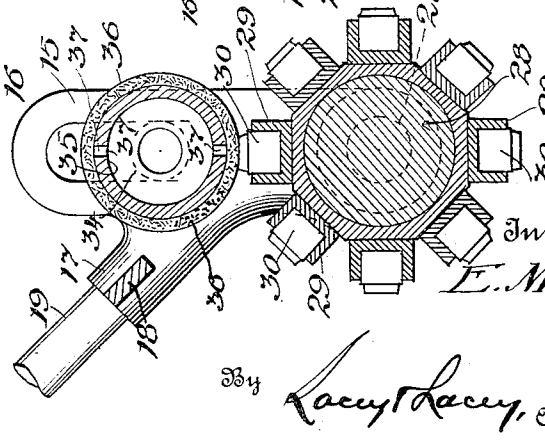


Fig. 5.



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UNITED STATES PATENT OFFICE.

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PRINTING ATTACHMENT FOR PAPER-WRAPPING HOLDERS.

1,282,237. Specification of Letters Patent. Patented Oct. 22, 1918.

Application filed April 23, 1918. Serial No. 230,290.

To all whom it may concern:

Be it known that I, EDWARD M. KICK, a citizen of the United States, residing at Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Printing Attachments for Paper-Wrapping Holders, of which the following is a specification.

This invention relates to printing attachments for rolls of wrapping paper, and has for one of its objects to produce a simply constructed device whereby any required matter may be automatically printed upon wrapping paper as the latter is withdrawn from the roll for tying packages or the like.

Another object of the invention is to provide a device of this character wherein the printed matter may be changed as required.

With these and other objects in view, the invention consists in certain novel features of construction, as hereinafter shown and described and then specifically pointed out in the claims; and in the drawings illustrative of the preferred embodiment of the invention—

Figure 1 is an end elevation of a wrapping paper holder or stand, partly in section, with the improvement applied.

Fig. 2 is a front elevation of the part shown in Fig. 1.

Fig. 3 is an enlarged sectional detail illustrating the construction of the operating portions of the improved device.

Fig. 4 is a vertical sectional view of Fig. 3.

Fig. 5 is a view similar to Fig. 4, illustrating a modification in the construction.

The improved apparatus may be adapted without material structural change to wrapping paper holders or stands of various forms, and it is not desired to limit the invention in any manner in this respect. For the purpose of illustration the improved apparatus is shown applied to a conventional wrapping paper stand including side members 10, head member 11 and tearing bar 12. The roll of wrapping paper is indicated conventionally at 13 and mounted for rotation upon a journal supported in the members 10 and indicated at 14.

The improved attachment is designed to impress suitable printed matter upon the wrapping paper as the latter is withdrawn from the roll, as for instance the name of the proprietor of a store and the goods sold therein, thus applying advertising matter to the wrapping paper of each package. The improved apparatus comprises side members 15 each provided with a longitudinally directed guide slot 16. Each of the side members is provided with an obliquely directed socket 17, the sockets being connected by a transverse brace member 18, the brace holding the members 15 in spaced relation. Connected by its ends in the sockets 17 is a U-shaped frame including side portions 19 and a connecting portion 20, the terminals of the portions 19 of the frame being rigidly connected in the sockets as indicated.

The frame member is designed to couple the slotted members 15 to the head portion 11 or other suitable part of the paper roll stand. For the purpose of illustration the frame member is coupled by clip devices 21 to a bar 22, the latter being coupled in turn to the head member 11 by tie bolts 23, the bolts having wing nuts 24 bearing against the under face of the head member 11. By this means the frame 19—20 is swingingly coupled to the head member 11, and may be adjusted relative thereto, or readily detached or applied when required.

A spring is connected to the device and operates to maintain the frame 19—20 yieldably in position, and is constructed from a single length of wire held in place intermediate its ends by the clip devices 21 as shown at 25 and extended as shown at 26 for engagement with the portions 19 of the frame.

The spring thus operates to maintain the side portions 19, together with the members 15, yieldably in downward position, the object to be hereafter explained.

Mounted for rotation by trunnions 27 in the inner ends of the members 15 is a drum 28, and connected to the outer face of the drum are a series of longitudinally directed channel members 29, the latter being adapted to support printing characters or type 30. The channel members 29 may be spaced at suitable intervals, or disposed in close proximity as may be preferred, the type drum being yieldably supported in position relative to the roll of paper by the spring 25—26. By this arrangement it will be obvious that as the paper is withdrawn from the roll to be used for wrapping packages the surface of the paper will be caused to contact with the printing roll and automatically rotate the latter and at the same time impress upon the paper the characters of

the type. Thus any matter which may be "set up" by the printer will be transferred to the paper as fast as the latter is withdrawn and at regular intervals.

Mounted by trunnions 31 in the slots 16 is another drum 32 having an outer face 33 preferably of the same substance or compound used for the ink rolls of printing presses. The ink roll member thus operates against the face of the type as the printing roll is rotated.

Mounted by trunnions 34 in the slots 16 is a hollow drum 35 incased in a wrapping of felt or like material indicated at 36. The hollow drum 35 is provided with a plurality of orifices 37 through which ink will flow to the "pad" 36. One of the trunnions 34 is hollow and provided with a closure 38 externally of the adjacent member 15, to enable the interior of the drum 35 to be supplied with ink, which will find its way through the orifices 37 to the pad 36 and saturate the latter with the ink.

As the type drum is rotated, as before described, by frictional contact with the paper as the latter is removed from the roll, the motion of the type drum will be communicated to the ink roll, and the motion of the ink roll correspondingly imparted to the padded ink applying roll. Thus the inking roll is automatically supplied with ink and the latter uniformly distributed upon the ink roll and thence to the type drum. The inking and printing operations are thus entirely automatic, and require no further attention from the operator until the ink is exhausted from the drum 35, when the latter may be readily replenished through the hollow trunnion 34, as before described.

The type drum may be of any required size, and the channel devices 29 varied in size to support type of correspondingly varied size, so that the printed matter may be "displayed" as required.

The type being readily removable, the printed matter may be readily altered at intervals, as required.

If preferred the intermediate distributing roller 32—33 may be dispensed with and the padded drum arranged to operate directly upon the type, as shown in Fig. 5.

The roller or drum 35 may be increased in weight to cause it to bear with increased force upon the type wheel and thus dispense with the necessity for the spring device 26.

Having thus described the invention, what is claimed as new is:

1. A device of the class described comprising a supporting frame including longitudinally slotted side members each having a socket extending laterally therefrom intermediate its ends, a substantially U-shaped suspending member having its terminals fitted into said sockets, clip devices attached to the closed end of said suspending member and adapted to be connected to a paper roll stand, and a type bearing roller having trunnions journaled in the slots of the side members and adapted to bear against the paper roll of said stand.

2. A device of the class described comprising a supporting frame including longitudinally slotted side members, each carrying a socket, a substantially U-shaped suspending member having its terminals fitted into said sockets, clip devices attached to said suspending member and adapted to be connected to a paper roll stand, a type bearing roller having trunnions journaled in the slots of the side members and adapted to bear against the paper roll of said stand, and a resilient rod held in said clips with its outer portions engaging the suspending member and holding the type bearing drum yieldably against the paper roll of said stand.

3. A device of the class described comprising a supporting frame including side members having longitudinally disposed slots formed therein and provided with laterally extending sockets, a brace connecting said sockets, a substantially U-shaped suspension member having its ends fitted in the sockets, a type-carrying roller mounted for rotation between the side members at one end thereof, an inking roller bearing against the type-carrying roller and provided with trunnions fitting within the slots of the side members, a pad carrying roller bearing against the inking roller and provided with trunnions fitting within the slots of the side members, clip devices engaging the closed end of the suspension frame and adapted to be connected to a paper roll stand, and a spring bar held by said clip devices and provided with arms having terminal hooks engaging the suspension member.

In testimony whereof I affix my signature.

EDWARD M. KICK. [L. S.]

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."