No. 695,416. Patented Mar. 11, 1902.

B. RING.

PRINTING ATTACHMENT FOR ROLL PAPER.

(Application filed Apr. 15, 1901.)

(No Model.)

Fig. 1.

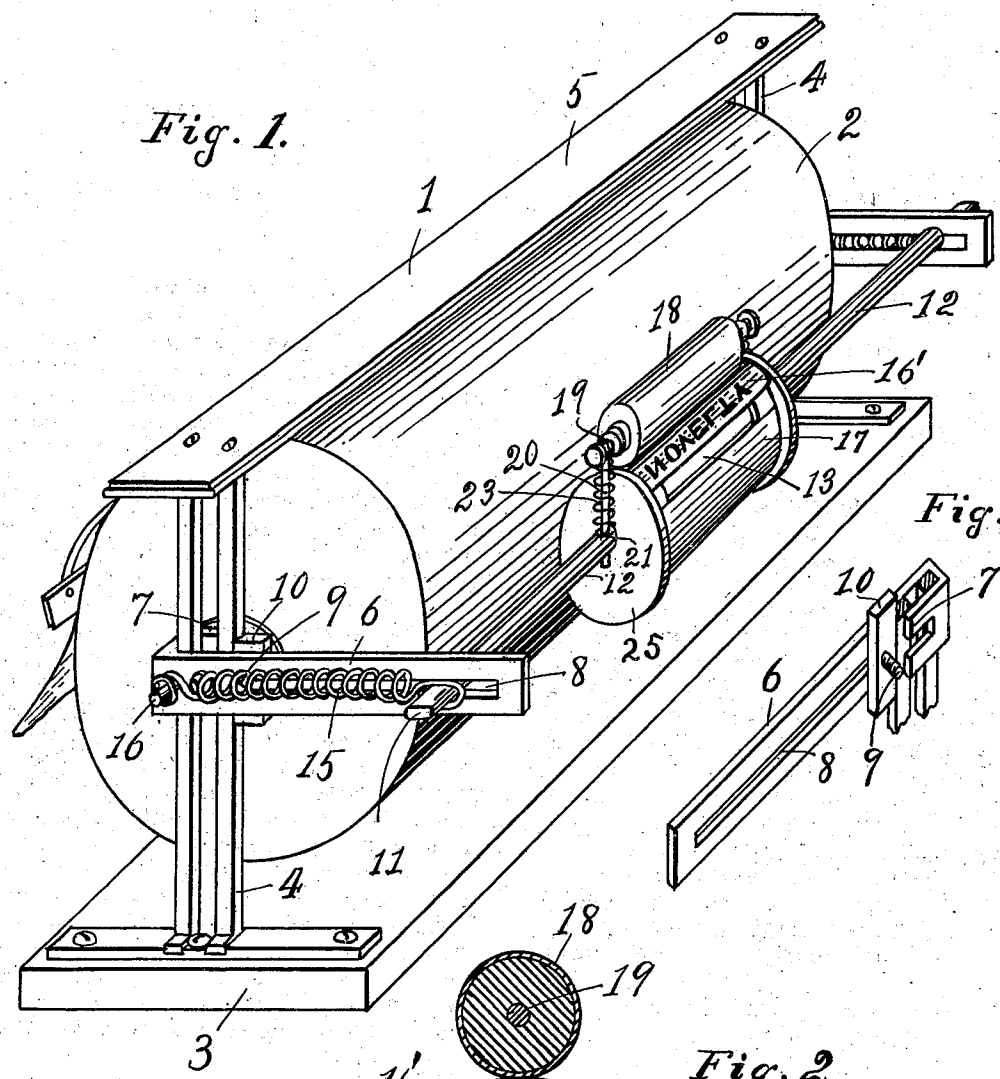
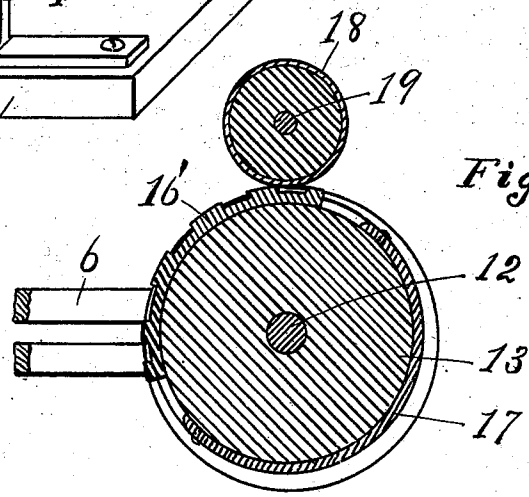


Fig. 3.

Fig. 2.



WITNESSES:

K. Lockwood Nevins,

M. T. Begley.

INVENTOR.

Byron Ring

BY

Francis M. Wright

ATTORNEY.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

BYRON RING, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR OF ONE-HALF TO HENDRIE MARSHAL, OF SAN FRANCISCO, CALIFORNIA.

PRINTING ATTACHMENT FOR ROLL-PAPER.

SPECIFICATION forming part of Letters Patent No. 695,416, dated March 11, 1902.

Application filed April 15, 1901. Serial No. 55,996. (No model.)

To all whom it may concern:

Be it known that I, BYRON RING, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Printing Attachments for Roll-Paper, of which the following is a specification.

My invention relates to an improved attachment for frames containing rolls of paper for wrapping merchandise, being adapted to print upon such a roll of paper any desired words, such as the name of the proprietor of the store or the like; and the object of my invention is to provide a device of this character which can be readily attached to frames of any description or size containing rolls of wrapping-paper, such as are at present in general use, of any description or size, and which will give a clear impression from the type and which may be operated for a considerable period without reinking.

My invention therefore resides in the novel construction, combination, and arrangement of parts for the above ends, hereinafter fully specified, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of a frame and a roll of wrapping-paper contained therein and having my improved attachment affixed thereto. Fig. 2 is a transverse section of the printing-roller and the inking-roller forming part of my attachment; and Fig. 3 is a detached view from the inside, showing the end of the arm or bracket by which the device is attached to the standard of the frame for the wrapping-paper.

Referring to the drawings, 1 represents the usual frame for a roll of wrapping-paper 2, comprising a base 3, standards 4 at the end, and a top 5. To the standards 4 are attached arms or brackets 6, said arms being each formed with a hook 7 at the end engaging the standard and being longitudinally slotted, as shown at 8. Through said slot is passed a screw 9, which enters a block 10, pressed against the front edge of the standard and maintained in position by said screw. One of the arms 6 is provided for each standard, and in the slots 8 slide the square ends 11 of a shaft 12, upon which rotates loosely the roller 13, carrying the type. Said roller 13 is normally drawn toward the roll of paper by means of springs 15, attached to the ends of the shaft 12 and to pins 16, secured in the other ends of the arms 6. Said roller has cam-shaped ends 25, and between said ends are carried the printing-surface 16', which may be formed of rubber type, metal type, electrotype, stereotype, or any other material, and an ink-pad 17. By means of said pad the ink is transferred to an inking-roller 18 on a shaft 19, which is held in place at the ends of rods 20, movable vertically in apertures 21 in the shaft 12. Springs 23 normally draw the inking-roller down onto the printing-surface and the ink-pad. The printing-surface and the surface of the inking-pad are cylindrical and at the same distance from the axis of the roller 18, so that thereby the inking-roller 18 maintains a uniform distance from the axis of the roller 13, and the inking-pad is moved out of contact with the roll of paper by reason of the cam-shaped ends 25.

While I have herein shown the arms 6 as removable from the standards 4, I do not desire to limit my invention to this construction, as the arms may be formed integral with the standards without departing from the spirit of my invention.

I claim—

1. The combination of a roll-paper frame having standards, a roll of paper supported between said standards, slotted arms extending from said standards, a shaft having squared ends sliding in said slots, resilient means for moving said shaft toward said standards, a roller 13 on said shaft, a printing device 16' and an ink-pad 17 on said roller, an inking-roller 18 supported by said shaft, and rods sliding transversely to said shaft to the ends of which rods the inking-roller 18 is attached, substantially as described.

2. In a printing attachment for roll-paper the combination with the standards of the roll-paper frame, of slotted arms removably attached thereto, a shaft having squared ends sliding in said slots, springs for drawing said shaft toward the frame, a printing-cylinder on said shaft carrying a printing-surface, an ink-pad on said cylinder, an inking-roller,

rods sliding transversely to said shaft to the ends of which rods the inking-roller is attached, and springs for drawing said inking-roller down upon the printing-roller, substantially as described.

3. In a printing attachment for roll-paper, the combination with the standards of the roll-paper frame, of slotted arms removably attached thereto, a shaft having squared ends sliding in said slots, springs for drawing said shaft toward the frame, a printing-surface, an ink-pad on said cylinder, an inking-roller, rods sliding transversely to said shaft to the ends of which rods the inking-roller is attached, and springs for drawing said inking-roller down upon the printing-roller, substantially as described.

In witness whereof I have hereunto set my hand in the presence of two subscribing witnesses.

BYRON RING.

Witnesses:
FRANCIS M. WRIGHT,
M. F. BEGLEY.