

(No Model.)

C. J. SULLIVAN & L. MATHEWS.

PRINTING ATTACHMENT FOR ROLL PAPER HOLDERS.

No. 541,510.

Patented June 25, 1895.

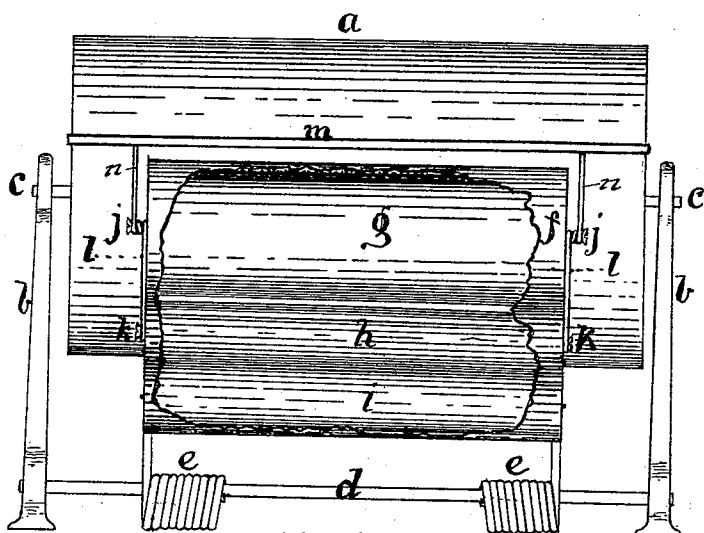


Fig. I.

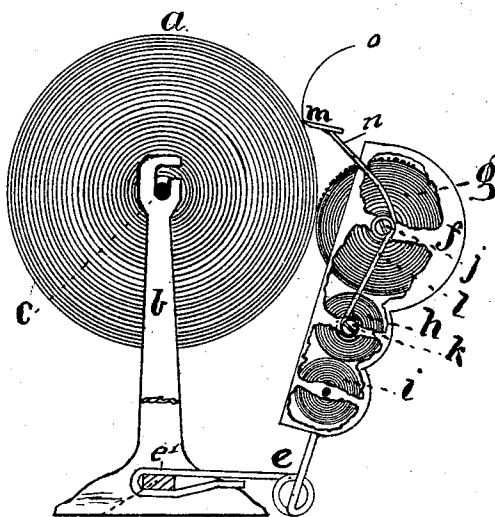


Fig. II.

Witnesses.

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UNITED STATES PATENT OFFICE.

CHARLES J. SULLIVAN AND LYSANDER MATHEWS, OF SEATTLE, WASHINGTON.

PRINTING ATTACHMENT FOR ROLL-PAPER HOLDERS.

SPECIFICATION forming part of Letters Patent No. 511,510, dated June 25, 1895.

Application filed August 14, 1894. Serial No. 520,262. (No model.)

To all whom it may concern:

Be it known that we, CHARLES J. SULLIVAN and LYSANDER MATHEWS, citizens of the United States, residing at Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Printing Attachments for Roll-Paper Holders; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to printing devices which are made a part of, or attached to wrapping paper roll holders, and consists in the details of construction hereinafter pointed out.

Figure 1 is a side elevation, the roller-case being broken away. Fig. 2 is an end elevation, certain parts being broken away.

The frame *b*, for supporting the roll *a*, may be of any suitable form. A crossbar *d*, connects the end pieces under the roll and is utilized for attaching the printing device to the roll holder, when it is made as an attachment.

The printing attachment consists of the type roller *g*, and the inking rollers *h* and *i*, which are within and supported by the case *f*. This case is open on the side next the roll.

The printing roll consists of a plain roller of wood or other material having the printed matter, which is in the form of a plate of rubber similar to a rubber stamp, glued or otherwise fastened to its surface. The rollers *h* and *i*, are the inking rollers, the roller *h*, being so placed that it will be engaged by the projecting faces of the rubber type upon the printing roller, but will not be engaged by the remainder of the roller. The rollers *h*, and *i*, have their surfaces in contact and have their surfaces formed of cloth or other similar substance upon which the ink is placed. These are in effect circular stamp pads. The double inking rollers are used to secure better distribution of ink.

The case *f*, and its contained rollers are supported upon one end of the spirally coiled

springs *e*. The other end of these springs projects horizontally toward the paper roll and its holder and has a loop *e'*, which when the printing attachment is in place passes about the bar *d*, attached to the frame below the roll of paper. The end of this loop is left slightly open so that it can be sprung in place over the bar *d*.

The springs *e*, are coiled so that they tend to close the ends carrying the roller case and the loop *e'*, upon each other which results in pressing the printing roller upon the paper roll. The coil of these springs rests upon the counter or upon whatever the paper roll holder is placed. The springs will keep the printing roller in contact with the paper roll whether large or small.

Attached to the sides of the case are the spring arms *n*, which carry the cutting bar *m*. This is made of a smaller and weaker wire than is the spring *e*, so that it will not be able to overcome the pressure of the spring *e*, to throw the printing roller away from the paper roll. It is attached to the journals of the upper inking roll *h*, and the printing roller *g*, being coiled about the latter as many times as necessary to give it sufficient spring.

It will be noticed that by reason of the relative position of the printing roller, cutter bar, and paper roll, the free end of the paper *o*, being drawn to the right, the printing upon the paper is upon the bottom of the sheet when torn off, which brings it upon the outside of the package when wrapped up. This is an advantage in various ways as it makes the printing more valuable as an advertisement and also prevents the ink which would be moist, from rubbing off upon the contents of the package, which in many cases would be quite a drawback.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

In a roll paper printing attachment the combination with the inking and printing rollers and means for holding the same upon the surface of the paper roll, of a cutter bar and

spring arms consisting of wires having spiral
coils formed therein intermediate its length,
which coil is adapted to be placed over the
journal of the printing roller, and an eye in
5 its free end adapted to be placed over the
journal of the inking roller, substantially as
shown and described.

In testimony whereof we affix our signatures in presence of two witnesses.

CHARLES J. SULLIVAN.
LYSANDER MATHEWS.

Witnesses:

H. L. REYNOLDS,
WM. MARTIN.