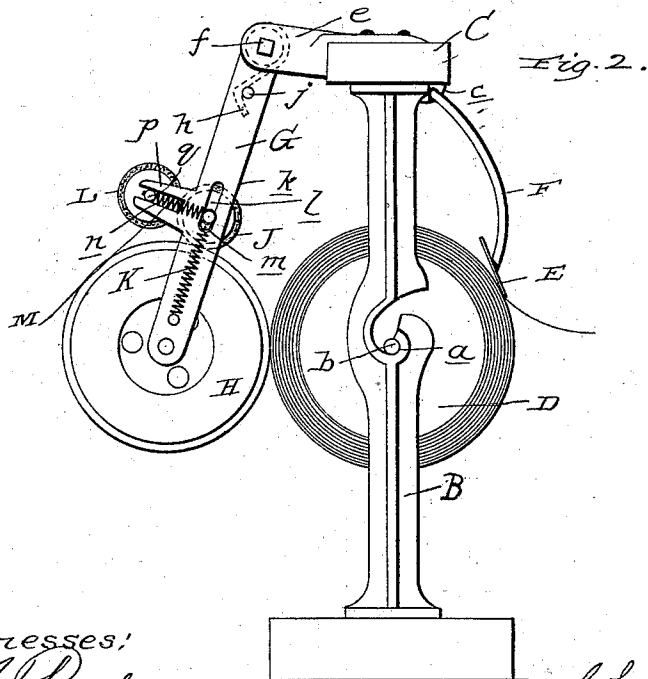
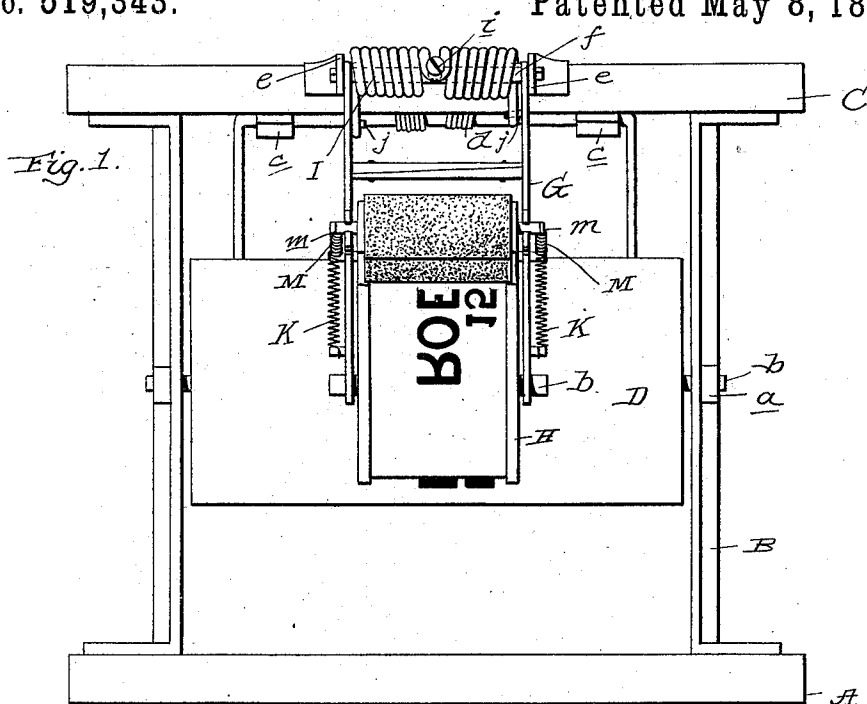


(No Model.)

C. H. PAINE & N. S. HOFFMAN.
PAPER ROLL HOLDER.

No. 519,343.

Patented May 8, 1894.



Witnesses:

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UNITED STATES PATENT OFFICE.

CHARLES H. PAINE AND NETTIE S. HOFFMAN, OF BRAINERD, MINNESOTA.

PAPER-ROLL HOLDER.

SPECIFICATION forming part of Letters Patent No. 519,343, dated May 8, 1894.

Application filed June 15, 1893. Serial No. 477 724. (No model.)

To all whom it may concern:

Be it known that we, CHARLES H. PAINE and NETTIE S. HOFFMAN, citizens of the United States, residing at Brainerd, in the county of Crow Wing and State of Minnesota, have invented certain new and useful Improvements in Paper-Roll Holders; and we do 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 improvements in paper roll holders, and it has for its general object to provide a roll holder embodying a printing device of a cheap, simple, and practical construction, whereby each strip of paper may be inscribed with an advertisement or business card, as it is drawn off the roll.

Other objects and advantages will be fully understood from the following description and claim, when taken in connection with the annexed drawings, in which—

Figure 1, is a front elevation of a roll holder provided with our improved device, and Fig. 2, is a side or end elevation of the same.

In the said drawings, the letter A, indicates the base of a roll holder which may be of any approved construction, and B, indicates the standards or uprights of the same. These standards or uprights B, have their upper ends connected by a cap beam C, as shown, and they are provided at intermediate points in their length with bearings *a*, to receive the trunnions or shaft *b*, of the roller D, upon which the paper is wound in a continuous web, as illustrated.

E, indicates a knife which is arranged longitudinally of the holder and is designed to cut the paper into strips, and F, indicates the bail lever through the medium of which the knife is connected to the holder frame. This bail lever F, has its horizontal portion journaled in suitable bearings *c*, upon the under side of the beam C, and it also has the said portion connected to a coiled spring as *d*, whereby it will be seen that the knife E, is pressed firmly against the roll so as to make a smooth cut when the free portion of the paper is pulled upwardly by the operator.

Suitably connected to the cap beam C, of the holder frame and extending laterally from one side thereof, are the bracket arms *e*,

of our improved printing device. These arms serve to support the fixed bolt *f*, to which the hanger frame G, is pivotally connected, as shown; and the said hanger frame carries the printing roller H, which is journaled adjacent to its lower end and is designed to normally rest against the paper roll, as shown.

I, indicates the spring through the medium of which the printing roller is held firmly against the paper roll, so that it will make a good impression. This spring I, which is preferably formed from a single piece of wire, is looped around lug *i*, extending radially from the middle of the bolt *f*, and it is then coiled several times around the bolt and has its ends extended as shown at *h*, so as to engage the inwardly extending lugs *j*, of the hanger frame G. By this arrangement of the spring I, it will be perceived that a strong pressure is exerted against the frame G, and the roller H, is consequently held firmly against the paper roll and a good impression insured. Furthermore it will be seen that the spring is mounted in such a manner that it may readily be removed when worn or damaged, and a new spring placed in position without injury to the other parts.

As better illustrated in Fig. 2, of the drawings, the side bars *k*, of the frame G, are provided with longitudinal slots *l*, in which are arranged the trunnions of the inking roller J. This roller J, engages the printing roller H, and it is yieldingly held against the periphery of the same by the coiled springs K, which are connected at their upper ends to the loop or collar bearings *m*, of the roller, and at their lower ends to suitable lugs extending from the frame G, as shown. By this construction it will be seen that the roller J, is enabled to adapt itself to the surface of the printing roller, so as to thoroughly ink the same which is a desideratum. The inking roller J, is supplied with ink by the ink supply roller L, which has its trunnions journaled in the slots *n*, of the lateral arms *p*, which extend at right angles to the frame G, as shown. This roller L, is yieldingly connected with the inking roller J, by the coiled springs M, which are connected to the bearing collars *q*, and *m*, of the said rollers, as shown.

In the practical operation of our device, it

will be seen that when the roller L, is properly supplied with ink, the roller J, and the printing roller are inked in turn, so that as each strip of paper is drawn off the roll, it
5 will be inscribed with the card or advertisement on the printing roller.

It will be readily noted from the foregoing description taken in connection with the drawings, that our improved device is very simple
10 and practical in construction; that it embodies no parts that are liable to get out of order, and that it is compact and consequently takes up but little space, which is highly desirable, especially in stores where devices of
15 this kind are most generally employed.

Having described our invention, what we claim is—

In a paper roll holder, the combination with a frame and a roller journaled therein; of
20 bracket arms connected to the frame, the pivoted frame G, connected with the bracket arms and having the slots *l*, extending in the direction of the length of its side bars and also having the lateral arms *p*, provided with
25 slots *n*, extending at right angles to the slots

l, the printing roller H, journaled in the frame G, the inking roller having its trunnions arranged in the slots *l*, the ink-supply roller L, having its trunnions arranged in the slots *n*, of the arms *p*, the springs K, connected with the trunnions of the inking roller and the frame G, and adapted to yieldingly hold the inking roller against the printing roller, the springs M, extending at right angles to the springs K, and connected with the trunnions of the ink-supply and inking rollers and adapted to yieldingly hold the ink supply roller against the inking-roller, and a spring exerting a pressure upon the frame G, so as to hold the printing roller against the paper roll, all substantially as and for the purpose set forth.

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

CHAS. H. PAINE.
NETTIE S. HOFFMAN.

Witnesses:

M. HAGBERY,
A. L. HOFFMAN.