

(Model.)

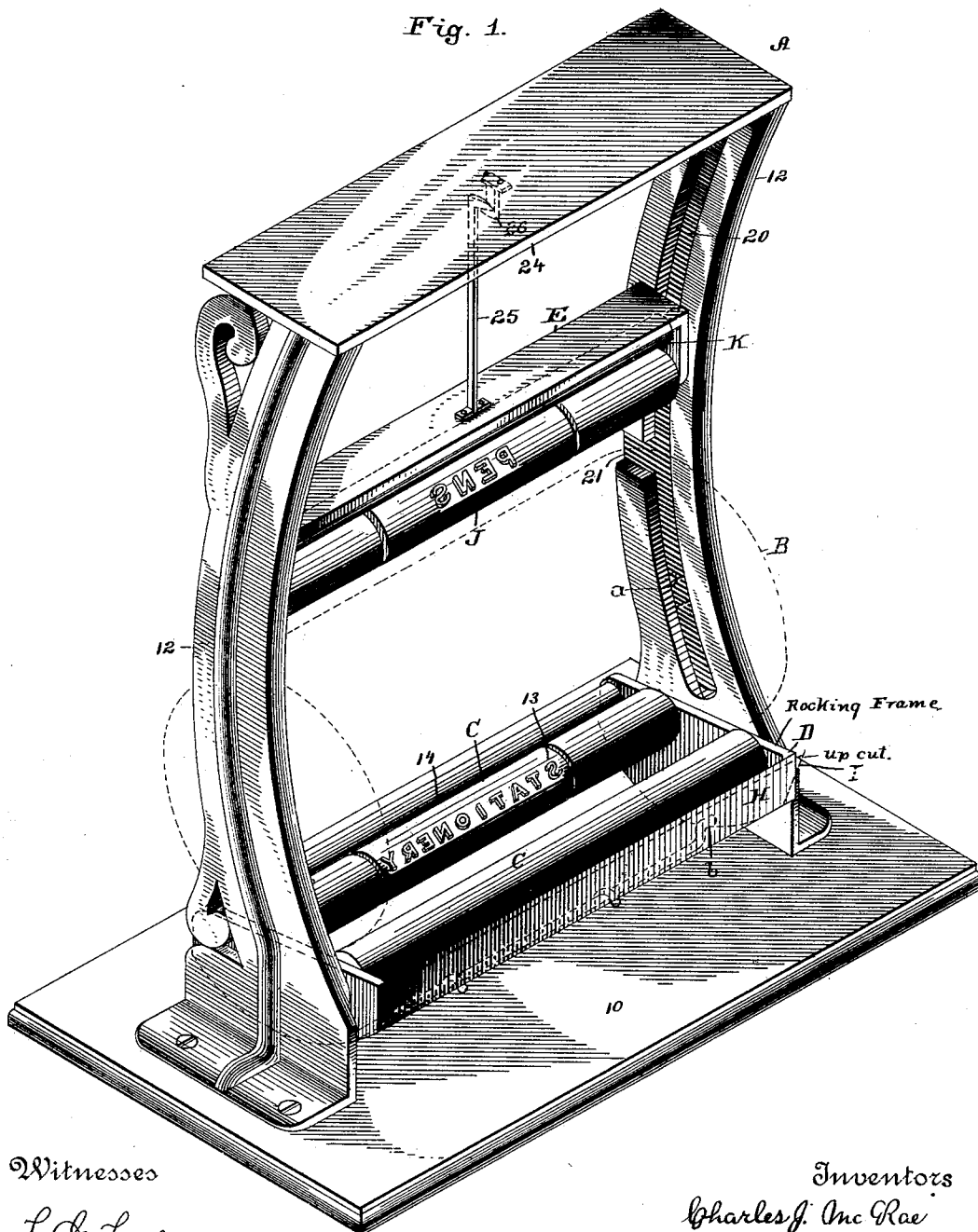
2 Sheets—Sheet 1.

C. J. McRAE & H. C. BAKER.

PAPER HOLDER AND CUTTER WITH PRINTING ATTACHMENT.

No. 407,105.

Patented July 16, 1889.



Witnesses

L. J. Fischer.

A. Mason.

Inventors

Charles J. McRae
and Henry C. Baker

By their Attorney

J. V. Higdon

(Model.)

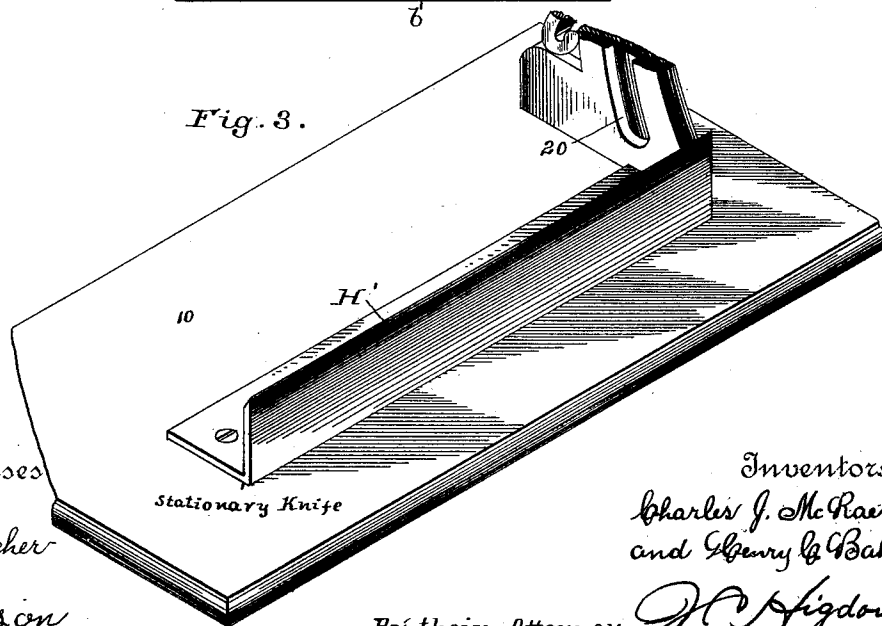
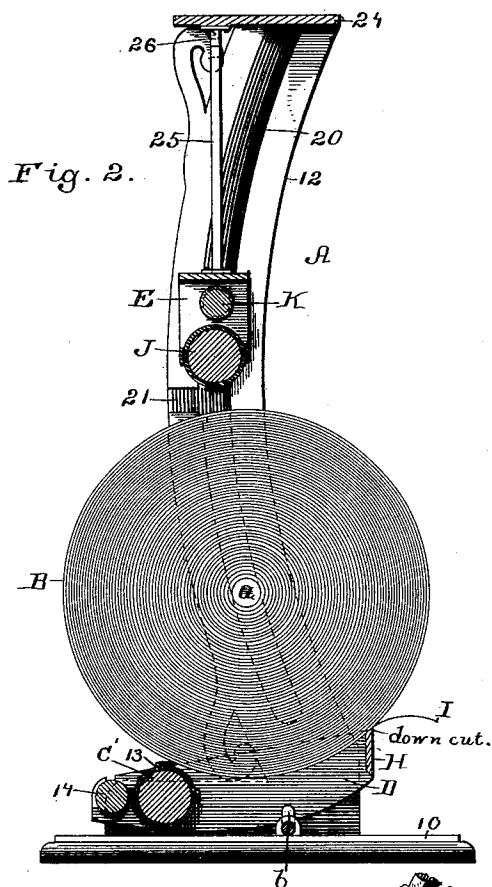
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UNITED STATES PATENT OFFICE.

CHARLES J. McRAE AND HENRY C. BAKER, OF KANSAS CITY, MISSOURI.

PAPER HOLDER AND CUTTER WITH PRINTING ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 407,105, dated July 16, 1889.

Application filed May 8, 1888. Serial No. 273,216. (Model.)

To all whom it may concern:

Be it known that we, CHARLES J. McRAE and HENRY C. BAKER, of Kansas City, Jackson county, Missouri, have invented certain new and useful Improvements in Paper Holders and Cutters with Printing Attachments, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

Our invention relates to an improved apparatus for holding and printing wrapping-paper of that class which is furnished in a continuous roll wound upon a core of wood or other material; and it may be said to consist in the peculiar construction, combination, and arrangement of devices hereinafter set forth, and pointed out in the claims.

In the drawings, Figure 1 is a perspective view of our improved device. Fig. 2 is a vertical transverse section of a modification without the roller *c*, showing the roll of paper resting on the knife *II*; and Fig. 3 is a perspective view illustrating a modified form of cutting-knife applied to the base-plate of the device.

The holder is constructed with a suitable supporting-frame *A*, of any preferred construction, the particular form of such frame being immaterial to the perfect working of the invention. The roll of paper *B* is provided with a hollow wooden core, in the usual manner, within which is removably inserted a rod or shaft *a*.

In this invention the roll of paper is supported upon a pair of rollers *C C'*, which are mounted in a pivoted or rocking frame *D*, so that said rolls may automatically conform to the changeable and usually uneven outer surface of said roll of paper during operation. Said frame *D* is preferably rectangular in general shape or contour, and is mounted upon any suitable form of journal *b*, attached to the base-plate *10*; or such journals may project from vertical end bars *12*, as may be desired.

For the purpose of printing configurations, designs, or advertising characters upon the paper just before it is pulled off the roll, which is very desirable to do, we construct roll *C'* in the form of a type-roll or printing-roller. This is preferably done by mounting a sheet of vulcanized rubber *13*, carrying the

printing-characters, upon said roll, as shown, so that as the paper is withdrawn and the roll of paper *B* is revolved said printing-roll will also be revolved and make impressions upon the outer surface of the moving paper during the withdrawing operation. We also mount in frame *D*, in sufficiently close contiguity to type-roll *C'*, an inking-roll *14*, for supplying ink to said type-roller as it revolves, the action being like that of ordinary ink-rolls in printing-presses. This inking-roller will be constructed in any desired way. It may be padded upon its outer surface, so as to absorb and retain the ink that is placed upon it, or it may be an ordinary composition roller. The vertical end bars *12* of the frame are preferably curved, as shown, although they may be straight, and provided with a groove *20* (either straight or curved) upon their opposite inner surfaces for the reception of projecting pins or journals *a* of the roll of paper, said journals being mounted in said grooves. By this construction the roll of paper *B* is guided securely in its downward movement toward the frame *D* as it grows smaller during use.

21 is a short transverse notch or groove, which opens into vertical groove *20*, and by means of which the roll *B* may be placed in position or removed at pleasure.

By means of notch *21* an upper printing-roll mounted in a vertically-sliding frame *E*, which will be presently described, can also be removed and replaced whenever desired.

It is obvious that in some cases we may displace the lower printing-roller *13* and the inking-roll *14* and substitute therefor an ordinary plain roll, as *C*, or a stationary bar of any kind; or we may, if so preferred, fix one of the supporting-rollers so that it will not revolve. In other cases we may entirely dispense with plain supporting-rolls and permit the roll of paper to rest directly upon type-roll *13* and the upper edge of the cutting-knife *II*, as shown more clearly in Fig. 2.

In both Figs. 1 and 2 we may say, by way of explanation, that a cutting-knife *II* is mounted upon one side of frame *D* and provided with upper and lower cutting-edges, so that the free end *I* of the paper may be drawn over and cut by either edge.

In Fig. 1 the end *I* of the paper is shown

projecting from beneath the lower edge of knife H, while in Fig. 2 it is shown projecting over and from the upper edge of said knife.

In still other cases we may entirely dispense with the rocking frame D and rollers of any description and permit the roll of paper B to rest directly upon a stationary cutting-knife H', as shown more clearly in the modified construction indicated in Fig. 3.

E is a vertically-sliding frame mounted in the upper portions of end bars 12, and having mounted in it a type-roll or a printing-roller J, and also an inking-roll K. This frame is adapted to be suspended from cap-bar 24 by means of any suitable catch or hook 25. When frame E is to be lowered so that roller J will rest upon the roll of paper, the hook 25 is to be detached from catch 26, when said frame will slide downward, as will be understood.

When the upper printing devices are out of use, the frame E is raised until roller J is out of contact with the roll of paper and hook 25 is made to again engage catch 26, as indicated in Fig. 1.

Both upper and lower printing devices may be used at the same time, if so desired.

We do not claim, in a paper-holder, the combination of the revoluble printing-roller and the core for supporting a roll of paper situated above and resting upon said printing-roller and removable without disturbing the printing-roller; but,

Having thus described our invention, what we claim is—

1. In a paper-holder, a rocking frame adapted to support a roll of paper mounted thereon, said rocking frame being pivoted between supports, substantially as described.

2. In a paper-holder, a rocking frame for supporting a roll of paper, journaled between perpendicular supports, said frame being provided with one or more supporting-rollers for the paper, substantially as set forth.

3. In a paper-holder, a rocking supporting-frame for a roll of paper, and said supporting-frame provided with a printing-roller, substantially as set forth.

4. In a paper-holder, a rocking frame for supporting a roll of paper, and said frame provided with a printing-roller and a cutting-knife, substantially as set forth.

5. In a paper-holder, a rocking frame for supporting a roll of paper, and said frame provided with printing and ink-supplying rollers and a cutting-knife, substantially as set forth.

6. In a paper-holder, a roll of paper, a printing-roll located beneath the roll of paper, and another printing-roll located above said roll of paper, substantially as set forth.

7. In a paper-holder, the combination of a core and shaft for supporting a roll of paper, said shaft being adapted to slide in parallel grooves in the upright frame, and a printing-roller above it journaled in a frame which also slides in the same grooves, substantially as described.

8. In a paper-holder, the combination of a rocking frame for supporting a roll of paper, a shaft or spool mounted in a vertically-grooved support, and a printing-roller mounted in a sliding frame, substantially as described.

9. In a paper-holder, the combination of the supports for a roll of paper and a printing attachment mounted above said roll and having a device for fastening it out of contact with the paper, in the manner substantially as set forth.

10. In a paper-holder, a rocking frame for supporting a roll of paper, said rocking frame being provided with a printing-roller, a supporting-roller, and a double-edged cutting-knife, substantially as described.

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

CHARLES J. McRAE.
HENRY C. BAKER.

Witnesses:

F. G. FISCHER,
J. C. HIGDON.