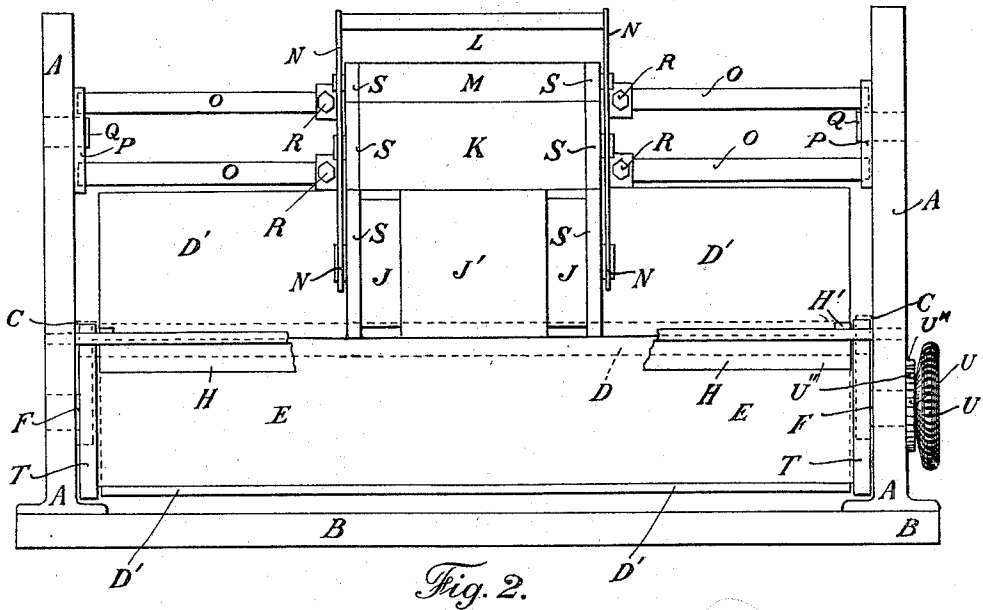
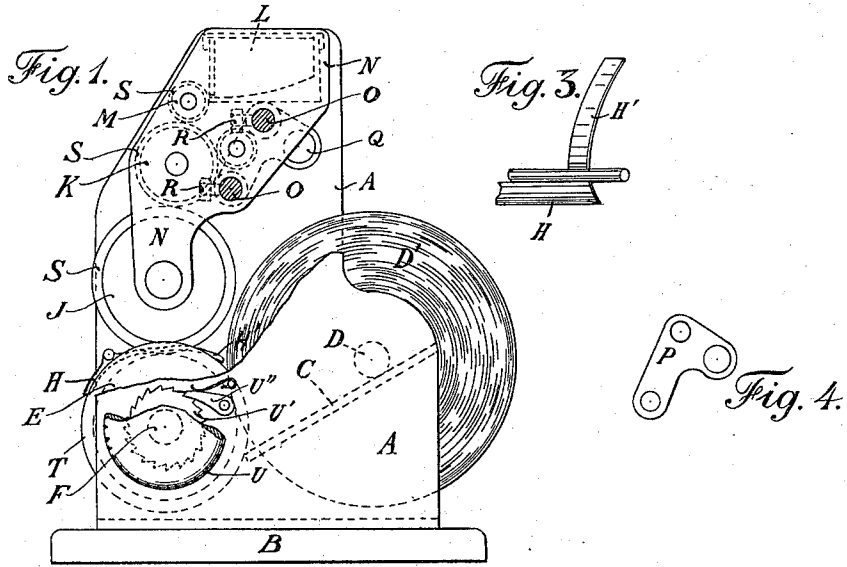


(No Model.)

A. J. P. BROWN & J. R. BROUGH.
PAPER ROLL HOLDER.

No. 561,481.

Patented June 2, 1896.



Witnesses:

Chas. Bauer.
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Inventors:

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by *W. E. Wilson* Attorney.

UNITED STATES PATENT OFFICE.

ALFRED JOHN PAYNTER BROWN AND JAMES ROWLAND BROUGH, OF
LONDON, ENGLAND.

PAPER-ROLL HOLDER.

SPECIFICATION forming part of Letters Patent No. 561,481, dated June 2, 1896.

Application filed April 19, 1895. Serial No. 546,440. (No model.)

To all whom it may concern:

Be it known that we, ALFRED JOHN PAYNTER BROWN and JAMES ROWLAND BROUGH, subjects of the Queen of Great Britain and Ireland, residing at Warwick Lane, in the city of London, England, have invented certain new and useful Improvements in and Relating to Roll-Paper Holders, of which the following is a specification.

This invention relates to improvements in and relating to roll-paper holders used by tradesmen for packing purposes and also used for toilet purposes; and our invention consists in the improvements in roll-paper holders, as will be hereinafter described.

In order that our invention may be readily understood, reference is made to the accompanying drawings, wherein like letters indicate corresponding parts throughout the several figures, and in which—

Figure 1 represents a side elevation of our improved roll-paper holder, one of the side frames being shown as partially broken away. Fig. 2 represents a front elevation of our improved roll-paper holder. Figs. 3 and 4 represent details hereinafter referred to.

In carrying out our invention we construct a pair of side frames A, of metal, wood, or other suitable material, said side frames being preferably fixedly attached to a base-plate or equivalent B. Said side frames A may, however, be hingedly connected to said base-plate or equivalent B. The rear portion of each of said side frames is formed or provided with a downward and inwardly sloping ledge or the like C, which ledges C are adapted to support the projecting ends of the spindle D, upon which spindle the roll of paper D' is mounted, the arrangement being such that the said roll of paper D' will be, by the action of gravity, in constant contact with an impression-roller E, which is supported, by means of a spindle F, in suitable bearings, with which the front portion of each of the side frames A is formed or provided.

Instead of providing the side frames with the ledges C we may form or provide said side frames with downward and inwardly sloping slots, which slots are adapted to receive the projecting ends of the spindle D.

The paper roll is preferably placed on its

supports in such a manner that the end of the paper may be passed from the lower part of the roll up between the roll and the impression-roller E and out of the front of the machine over the said impression-roller E, said paper passing also under a suitably-constructed knife H, which is supported at a convenient position by the side frames A.

For the purpose of printing the tradesman's name or advertisement or other matter upon the paper we provide a printing-roller J immediately over the impression-roller E, said printing-roller having attached to its periphery a rubber stamp or other printing-stamp J' of suitable dimensions. Said stamp J' may be fixed direct on the printing-roller by means of an adhesive or otherwise, or the said stamp may be first attached in any desired manner to a piece of suitable textile material, which latter is then fixed to the printing-roller.

Ink is supplied to the printing-roller by means of one or more inking-rollers K, and we prefer to provide a suitable ink-duct L, from which duct a requisite quantity of ink is supplied to the inking-rollers, either direct or by means of one or more ink-distributing rollers M.

The printing, inking, and ink-distributing rollers may be formed or provided with comparatively long spindles, so that all such rollers may be supported by the side frames A. We prefer, however, to provide separate frames N, hereinafter referred to as the "printing-frames," which printing-frames are in close proximity to and support the spindles of all the rollers referred to. Said printing-frames N are mounted on and supported by spindles or shafts O, the ends of which spindles O are carried by suitable hangers or the like P, Fig. 4, which are pivotally attached to the side frames A by means of studs or the like Q. The main advantages appertaining to this lastly-described arrangement of parts are that the whole series of rollers may be swung out of their normal position, so as to permit of the adjustment of the paper when required, and, further, the printing-frames and supported rollers may be moved endwise along the supporting-spindles above referred to, being removably fixed in any desired position on the spindles O by

means of set-screws R. By these means the printing on the paper may be at any desired part thereof. We also provide each end of the printing, inking, and ink-distributing rollers with a rubber ring or equivalent S, by means of which all such rollers will run more satisfactorily and silently when the paper is being withdrawn. For the purpose of keeping the paper roll in its proper position we form or provide each end of the impression-roller with a projecting flange T, between which flanges the paper roll partially enters, and for the purpose of obtaining a good impression on the paper when being printed we cover the impression-roller with rubber, felt, or other suitable material, such covering extending for the whole length of said impression-roller, or only the part which is immediately under the printing-stamp may be covered.

The action of our improved machine is briefly as follows: The end of the paper which projects beyond the knife H is pulled out a sufficient length, as may be desired. The friction of said moving paper with the printing-pad on the printing-roller J imparts motion to said printing-roller and thereby causes the paper to be printed. When a sufficient length of paper has been pulled or drawn out, it is cut or torn off along the knife H, which is fixed at the front of the machine, as herein-after described.

For the purpose of feeding forward a sufficient length of paper beyond the knife so as to enable said paper being readily gripped we attach a milled head or equivalent U to one or both ends of the impression-roller spindle or gudgeon F, the arrangement being such that on said milled head U being turned in the proper direction the impression-roller will also be turned, thereby feeding forward the paper, and for the purpose of preventing the impression-roller being turned in the opposite or wrong direction, and thereby possibly causing the end of the paper being withdrawn into the machine, we form or provide the milled head U with a ratchet-wheel U', with which a spring-actuated pawl U'' or the like engages, said pawl U'' being pivotally attached to the side frames A. By this arrangement the milled head U, and consequently the impression-roller E, can be only turned in the proper direction.

In order that the paper from the paper-roll may be readily guided under the knife H, we form or provide said knife with suitable rearward extensions H', Figs. 1, 2, and 3, the arrangement being such that when the paper has passed between the printing and impression rollers it is already under said rearward

extensions H' and must, if fed forward, pass out under the knife H.

We wish it to be understood that we do not confine our invention to the exact construction of a roll-paper holder as herein shown and described, as the details thereof may be varied without departing from our invention.

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

1. A roll-paper holder consisting in combination of a base-plate B having attached to it side frames A, said side frames being provided with ledges C adapted to support the paper-roll-carrying spindle D, said side frames A being adapted to support the impression-roller spindle F and being provided with studs Q upon which studs the hangers P are pivotally hung, said hangers P supporting the spindles O upon which spindles O the printing-frames N are mounted, said printing-frames supporting the printing, inking and ink-distributing rollers J, K and M respectively and the ink-duct L, said printing-frames N being adapted to be moved along the spindles O and fixed thereon by means of set-screws R, a knife H provided with rearward extensions H' a hand-wheel U, ratchet-wheel U' with which a spring-actuated pawl U'' engages, an impression-roller E having flanges T, rubber rings S and a printing-pad J', all constructed, arranged and operating for the purposes and substantially as set forth.

2. In a roll-paper holder having printing, inking and ink-distributing rollers J K and M and an impression-roller E, a knife H supported by the side frames and formed with rearward extensions H' for the purposes and substantially as set forth.

3. In a roll-paper holder, printing-frames N adapted to support a printing-roller J provided with a printing-pad J' and rubber ink-distributing rollers K and M respectively, and ink-duct L, said printing-frames being mounted on spindles O pivotally supported by means of hangers P on studs Q with which the side frames are provided, said printing-frames N being adapted to be moved or slid along the said spindles O and capable of being fixed in any desired position by means of set-screws R all for the purposes and substantially as set forth.

In witness whereof we have hereunto set our hands in the presence of two witnesses.

ALFRED JOHN PAYNTER BROWN.
JAMES ROWLAND BROUGH.

Witnesses:

W. WILSON HORN,
JAMES H. LYON.