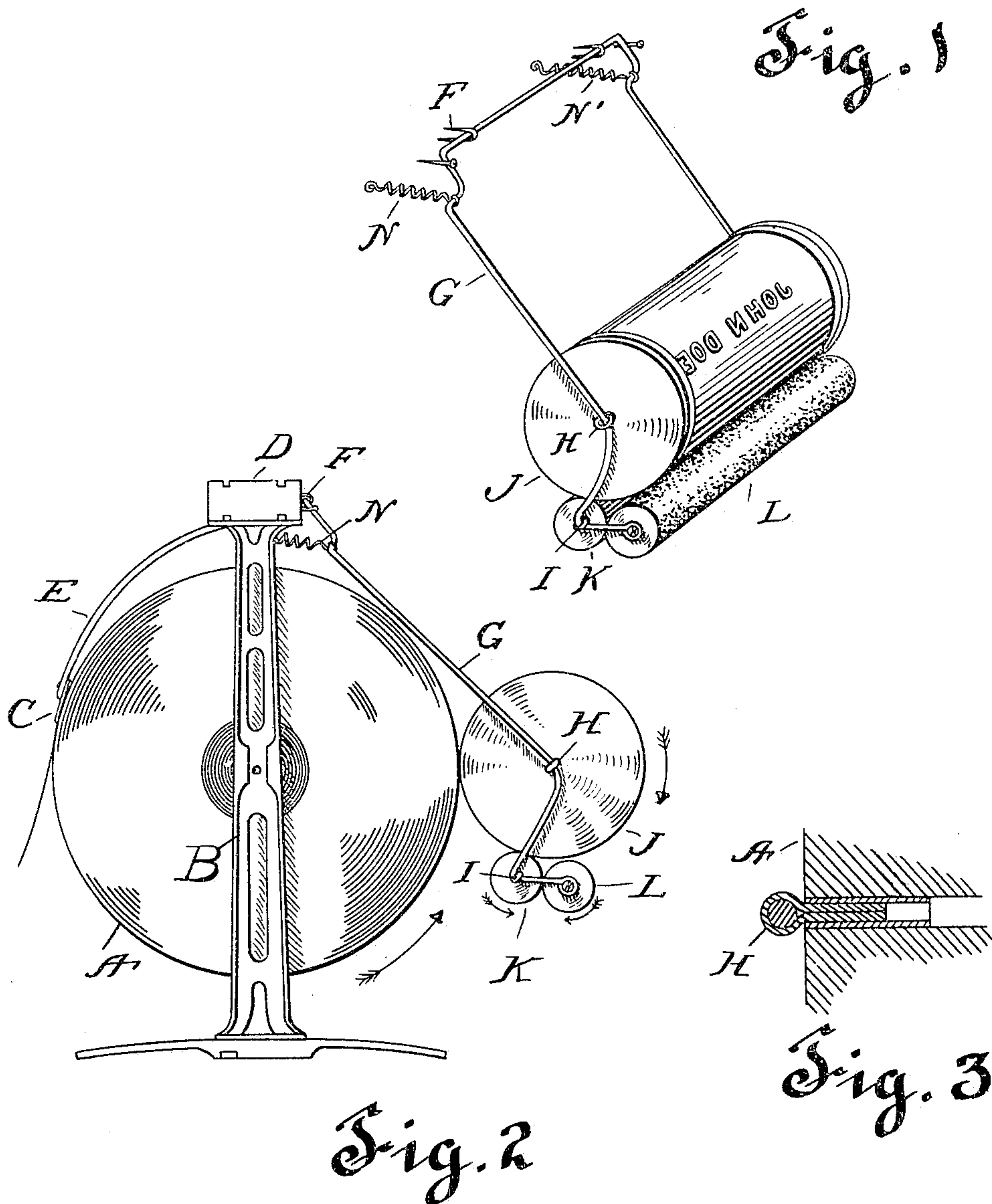


No. 793,284.

PATENTED JUNE 27, 1905.

J. D. DONOVAN.
PRINTING ATTACHMENT FOR PAPER ROLLS.
APPLICATION FILED JULY 5, 1904.



WITNESSES:

E. L. Kincaid
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UNITED STATES PATENT OFFICE.

JOSEPH D. DONOVAN, OF SAN FRANCISCO, CALIFORNIA.

PRINTING ATTACHMENT FOR PAPER-ROLLS.

SPECIFICATION forming part of Letters Patent No. 793,284, dated June 27, 1905.

Application filed July 5, 1904. Serial No. 215,333.

To all whom it may concern:

Be it known that I, JOSEPH D. DONOVAN, 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 Paper-Rolls; and I 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.

My present invention is a printing attachment for paper-rolls, and is provided to be attached to the frame holding rolls of paper used to wrap up purchases, and by its use certain advertising matter is printed on the paper automatically as the latter is drawn out. There have been a number of devices of this character placed on the market recently; but their excessive bulk and expense have limited their field of operation. In my invention, however, I have aimed at structural simplicity and economy, but at the same time have not overlooked the requisites of strength and durability nor efficiency of operation.

I am enabled to accomplish the objects of my invention by the means illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the device detached from the paper-frame. Fig. 2 is a side elevation of the device positioned on a paper-roll frame. Fig. 3 is a section of a detail of construction.

I will now describe the construction of my invention and subsequently explain the operation of the same, reference being had to the above views by letter.

The frame which carries the roll A of paper is revolvably supported between suitable standards B. The spring-pressed blade C is supported from the top cross-piece D by means of the arms E.

Hung in the staples F, which are driven into the cross-piece D, is the U-shaped wire frame

G, the outer open legs of which pass through the split pins H and I, which bear the rollers J and K, respectively, and finally terminate by being secured to the roller L.

Now assuming that the roller J has yielding type about its periphery and is inked by contact with the roller K, which is in turn inked by the padded roller L, it will be readily seen that as the paper is drawn from the roll A the rollers will revolve in the directions indicated by means of the arrows and the matter on the roller J printed on the moving paper.

The springs N N' are for the purpose of causing the roller J to press snugly against the roll A.

From the above description it will be seen that I have provided a very simple and inexpensive device capable of being readily attached to the frame of the paper-roll and by the use of which the perfect printing of the paper is accomplished.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a device of the class described, a U-shaped wire frame a roller carrying the type, an inking-roller projections from said rollers, said frame engaging with said projections from said rollers for the purpose set forth.

2. In a device of the class described, a U-shaped wire frame, a paper-roll frame, a type-carrying roller and an inking-roller, said rollers being carried by said U-shaped frame, and springs secured to said roll-frame and attached to said U-shaped frame, substantially as and for the purpose set forth.

In testimony whereof I have hereunto set my hand to this specification in the presence of two subscribing witnesses.

JOSEPH D. DONOVAN.

Witnesses:

GEORGE PATTISON,
ELIZ. KINCAID.