

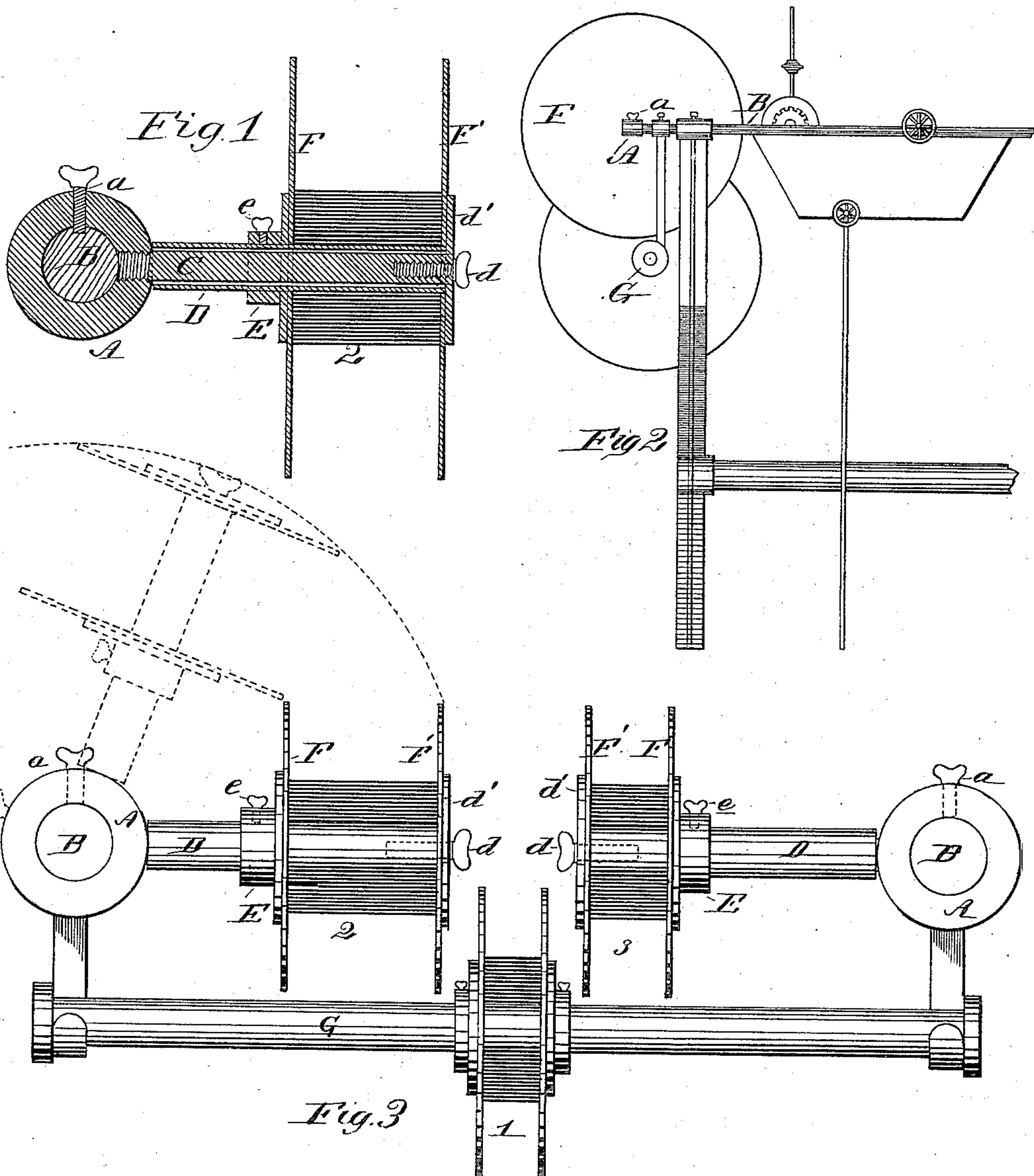
(No Model.)

P. HAUCK.

PAPER BOX COVERING MACHINE.

No. 330,235.

Patented Nov. 10, 1885.



WITNESSES:

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PHILIP HAUCK, OF PHILADELPHIA, PENNSYLVANIA.

PAPER-BOX-COVERING MACHINE.

SPECIFICATION forming part of Letters Patent No. 330,235, dated November 10, 1885.

Application filed September 12, 1883. Serial No. 106,279. (No model.)

To all whom it may concern:

Be it known that I, PHILIP HAUCK, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Paper-Box-Covering Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is longitudinal vertical section of my improved spindle. Fig. 2 is a side elevation of the rear end of a paper-box-covering machine with my improvements applied, and Fig. 3 is an end view of the same.

This invention has relation to machines for covering and trimming paper boxes, and has for its object to provide improved means for attaching the paper rolls to the machine, whereby they can be secured to and removed from the latter with readiness, and without interference with each other, and which means allow one or more of said rolls to be adjusted out of position for use without removing the same from the machine, substantially as hereinafter fully described.

My invention consists in the novel arrangement and construction of parts, fully described, and specifically claimed.

Referring to the accompanying drawings, A is a metal collar or ring, having binding-screw *a*, by which it is held firmly in position on the side bar or rod, B, of the machine.

C is a metal rod extending radially from the collar A, and can be either made in one piece with the collar or attached to it by means of a threaded end, as shown.

D is a loose sleeve, which encircles rod C, and is held in position endwise by screw *d* and washer *d'*.

E is a collar encircling sleeve D, and is held in any desired position by screw *e*.

F F' are two thin metal disks or plates which are placed on each side of the paper and serve to keep it in place. One of these abuts against the collar E, the other being adjacent to the outer end of the sleeve D.

The operation of placing or removing the rolls of paper is as follows: The ring A is placed on the bar B and fastened in the desired position by means of screw *a*. The screw and washer *d d'* and disk F' are removed, and the roll of paper placed on sleeve D, after

which the disk, washer, and nut are replaced. The disk F is then brought up to the other side of the roll, the collar E being moved along with said disk and fastened in position by means of screw *e*. As the paper roll is unwound, it turns on the sleeve D, the latter rotating on rod C, should the friction on it or on the disks be sufficient to produce rotation. If, for any reason, it is desired to discontinue the use of the paper-roll it can be done by loosening the screw *a* and turning ring A and attachments out of the way or into a vertical position, as shown in dotted lines in Fig. 3, in which position it may be held by turning the screw *a*.

In practice three rolls of paper (shown, respectively, at 1 2 3) are employed. With my improved arrangement the middle roll, 1, alone is placed on the shaft G, heretofore used, while the other rolls, 2 and 3, are each provided with separate and independent shafts or spindles of the improved construction described, each of said shafts or spindles being isolated from and in no way interfering with the operation of the others.

What I claim as my invention is as follows:

1. In a paper-box-covering machine, the combination, with the frame of the machine, of a rod secured at one end to a concentrically-movable ring surrounding a portion of the frame, and carrying a loose or swiveled sleeve having on it a laterally-adjustable collar, substantially as described.

2. In a paper-box-covering machine, the combination, with the sides thereof, of three shafts for supporting the rolls of paper, one of said shafts having supports at both its ends, and the other two shafts being adjustably supported by one end only on the side of the machine, said latter two shafts having each a loose or swiveled sleeve, and a collar laterally adjustable on said sleeve and secured thereto by a set-screw, substantially as shown and described.

3. The combination of ring A, rod C, sleeve D, collar E, screw *d*, washer *d'*, and disks F F', substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 4th day of September, 1883.

PHILIP HAUCK.

Witnesses:

ANDREW ZANE, Jr.,
WILL H. POWELL.