

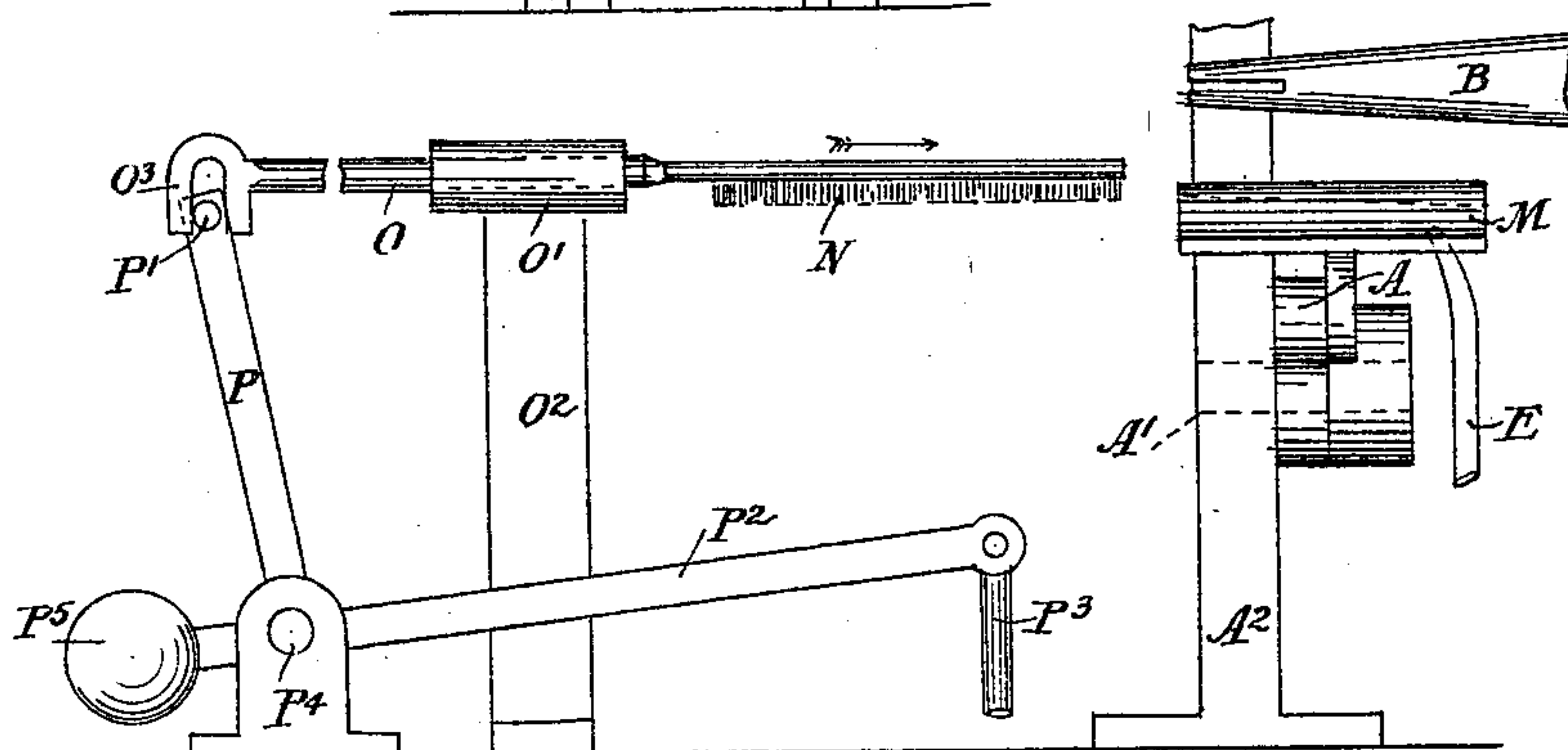
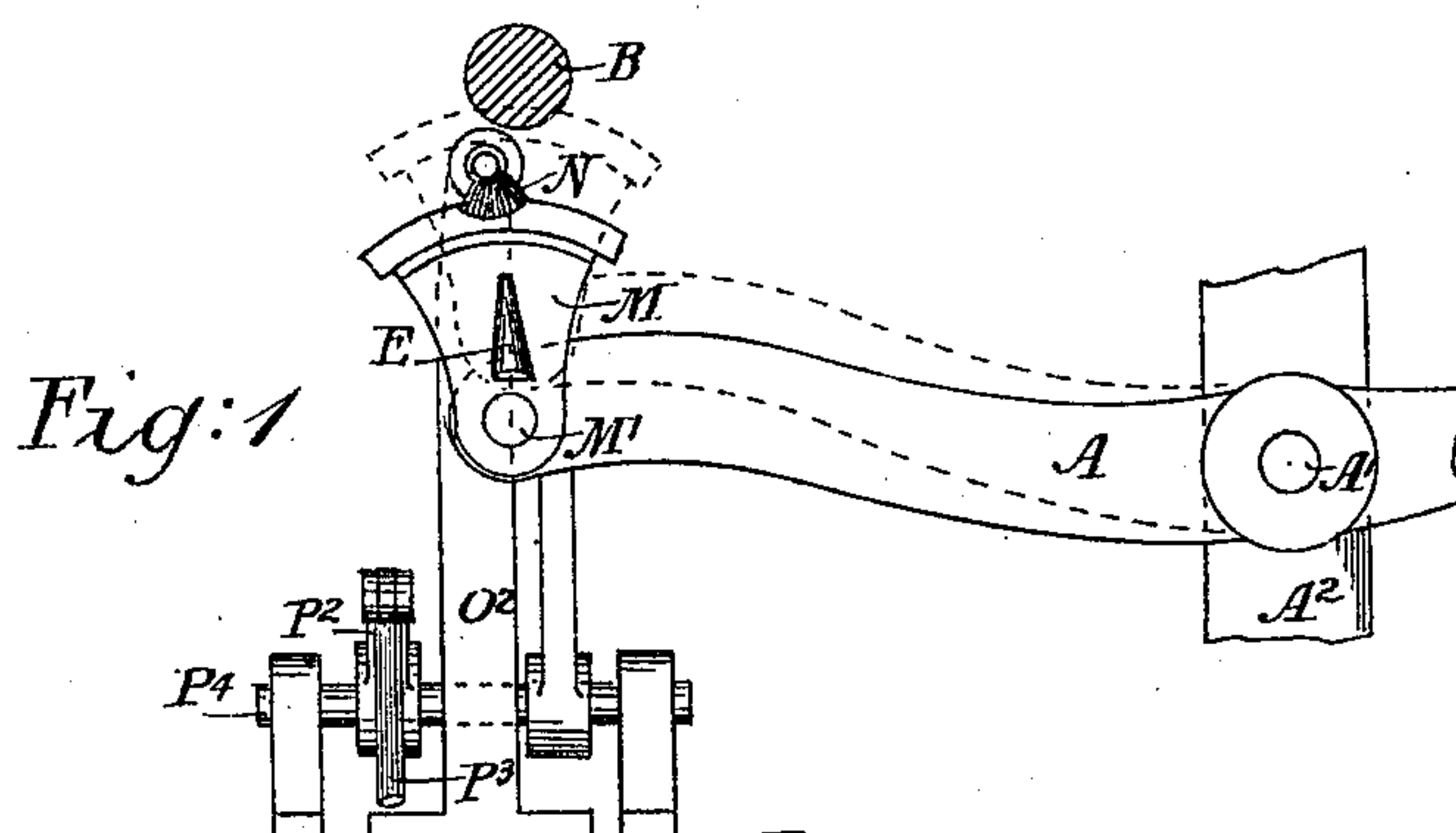
(No Model.)

J. S. BEEMAN.

MACHINE FOR MANUFACTURING MOUTHPIECES FOR CIGARETTES.

No. 587,172.

Patented July 27, 1897.



Witnesses

H. van Oldenbeek  
E. A. Scott.

Fig: 2

Inventors

Inventors  
Joseph Samuel Beeman

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Attorneys

# UNITED STATES PATENT OFFICE.

JOSEPH S. BEEMAN, OF MELBOURNE, VICTORIA.

MACHINE FOR MANUFACTURING MOUTHPIECES FOR CIGARETTES.

SPECIFICATION forming part of Letters Patent No. 587,172, dated July 27, 1897.

Application filed November 26, 1895. Serial No. 570,223. (No model.) Patented in England November 19, 1895, No. 21,982.

*To all whom it may concern:*

Be it known that I, JOSEPH SAMUEL BEEMAN, a subject of the Queen of Great Britain, and a resident of Station Street, Melbourne, Camberwell, in the Colony of Victoria, have invented certain new and useful Improvements in Machinery for Manufacturing Mouthpieces for Cigarettes and the Like, (which has been patented in England, No. 21,982, dated November 19, 1895,) of which the following is a specification.

This invention has been devised to provide improvements in that class of machinery which is employed for manufacturing mouthpieces for cigarettes and the like from blanks of paper, and wherein such blanks of paper are shaped by mechanism and retained in such shape by being fastened by the application of a suitable adhesive medium, and where heat is required to facilitate and hasten the fastening of such adhesive medium.

The invention has especial reference to the mechanism or means used (a) for keeping the heated presser or foot-plate clean by means of a brush or scraper acting synchronously with the general mechanism of the machine and in a less degree, and (b) to improvements used in combination with aforesaid cleansing means of an improved heated presser in order to bring about a better fastening of the said paper strip which is formed into a coil or mouthpiece upon a mandrel.

In order that my invention may be the more easily explained and understood, reference may be made to the accompanying drawings, in which—

Figure 1 is an end elevation of an alternative construction of the said presser or foot-plate and formed of cleaning appliances, while Fig. 2 is a front elevation of Fig. 1.

In the drawings, A is a levered arm centered at A' and terminating at one end in mechanism which will cause it to synchronously oscillate upon the pivot A' with and at the exact time required by the machinery of the mandrel B. On the other end of this lever A is secured a presser M, which, as the lever A oscillates, will rise and fall, as shown by dotted lines. In the surface of this presser a groove is formed tapering in form to fit the

surface of mandrel, such form being indicated in dotted lines in Fig. 2.

N is the brush for cleaning out said groove at certain mechanically-arranged periods. It will be noticed that M is rigidly affixed to the lever A by a pin-bolt or similar fastening M'.

In Fig. 2 it will be seen that the brush N is arranged to have a backward-and-forward movement in the direction shown by the arrow above the same and that it is set upon a rod O, moving in a sleeve-bearing O' upon the standard O<sup>2</sup>, the said rod O being operated from a fork O<sup>3</sup> by a pin P', the latter being mounted upon a lever P, the other arm of which, P<sup>2</sup>, is operated by a mechanical connection, as P<sup>3</sup>, with some synchronous movement of the machinery working the mandrel B.

P<sup>4</sup> is a pivoted bearing or sole plate for forming a center for the arms P and P<sup>2</sup>, the latter preferably terminating in a balance-weight P<sup>5</sup>.

E is a burner for heating the presser.

The paper blanks are fed one by one to the mandrel by the hand of the operator by being placed on any suitable stand (not shown) arranged adjacent to the mandrel and then being slid along the stand into the slit in the mandrel.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

1. In combination, a mandrel, a presser having a seat or depression therein to fit the mandrel, and a brush extending in a plane parallel with said seat to operate in a depression therein when the presser is withdrawn from the mandrel, substantially as described.

2. In combination, the presser with means for moving it toward and from the mandrel, a mandrel and a brush with means for reciprocating the same in between the mandrel and presser and in contact with the presser when retracted from the mandrel, substantially as described.

Signed this 5th day of October, 1895.

J. S. BEEMAN.

Witnesses:

A. O. SACHSE,  
A. HARKER.