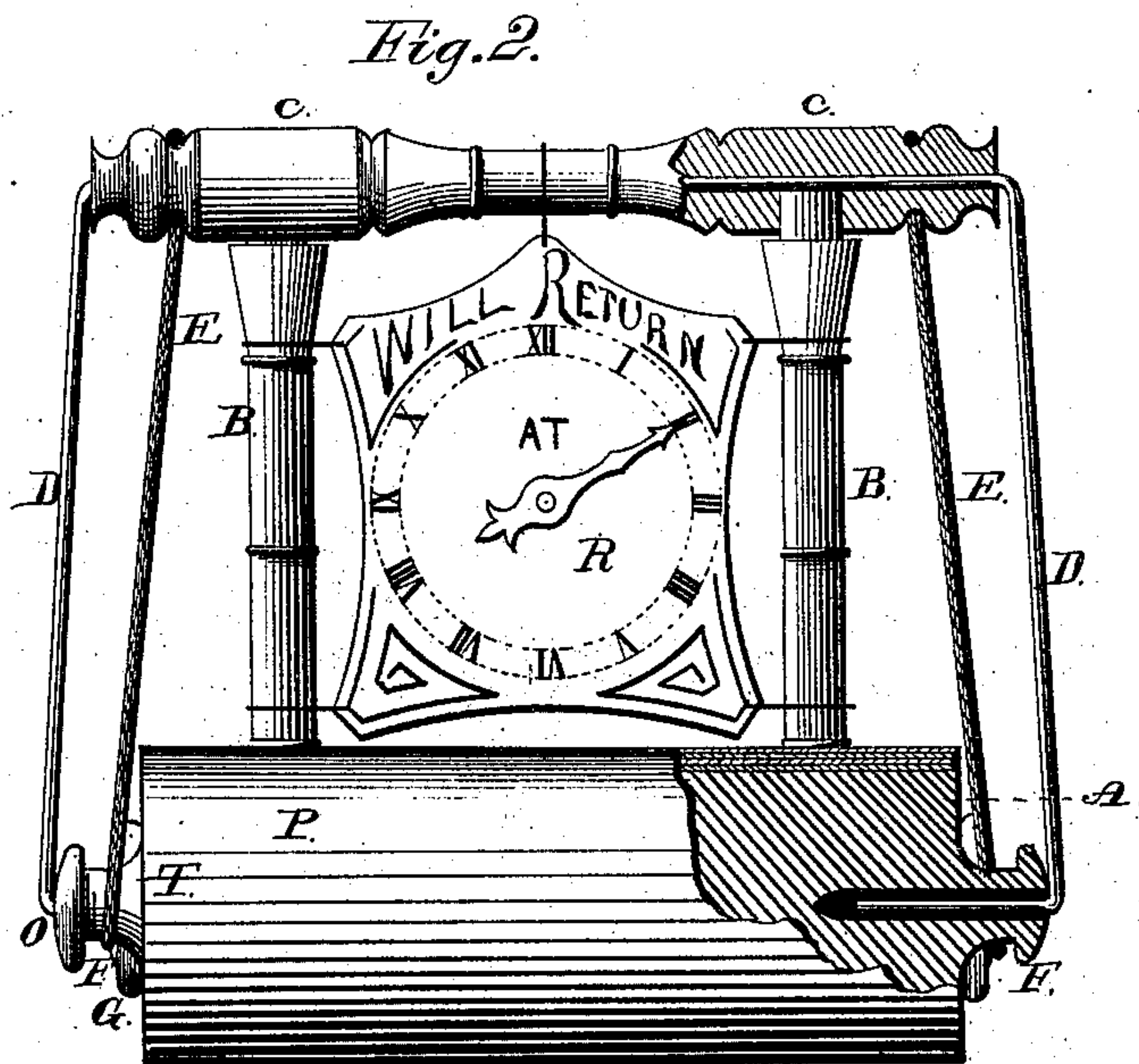
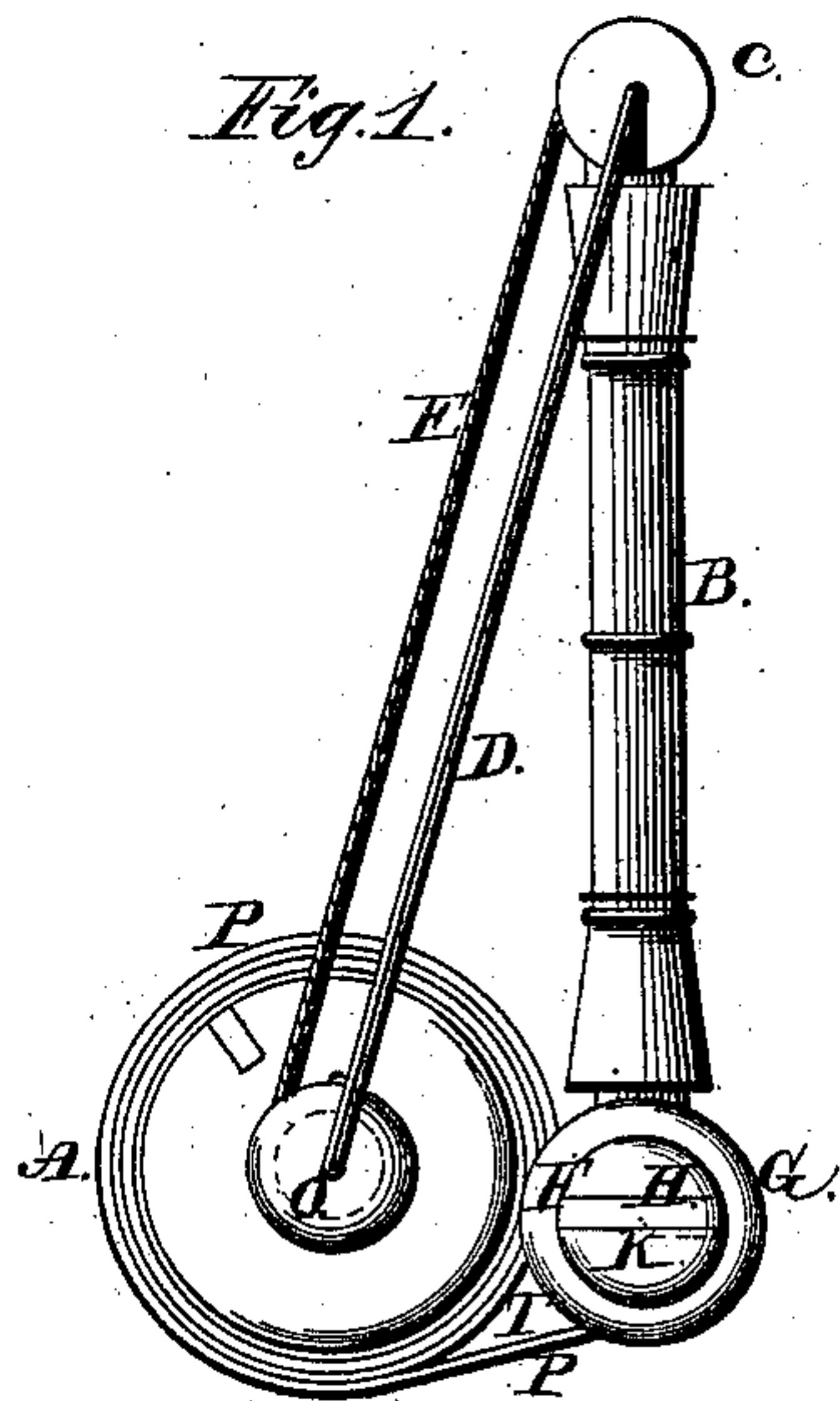


S. WALES.  
ROTARY-BLOTTER.

No. 177,441.

Patented May 16, 1876.



Witnesses:

L. J. Bradish  
N. H. Dimes

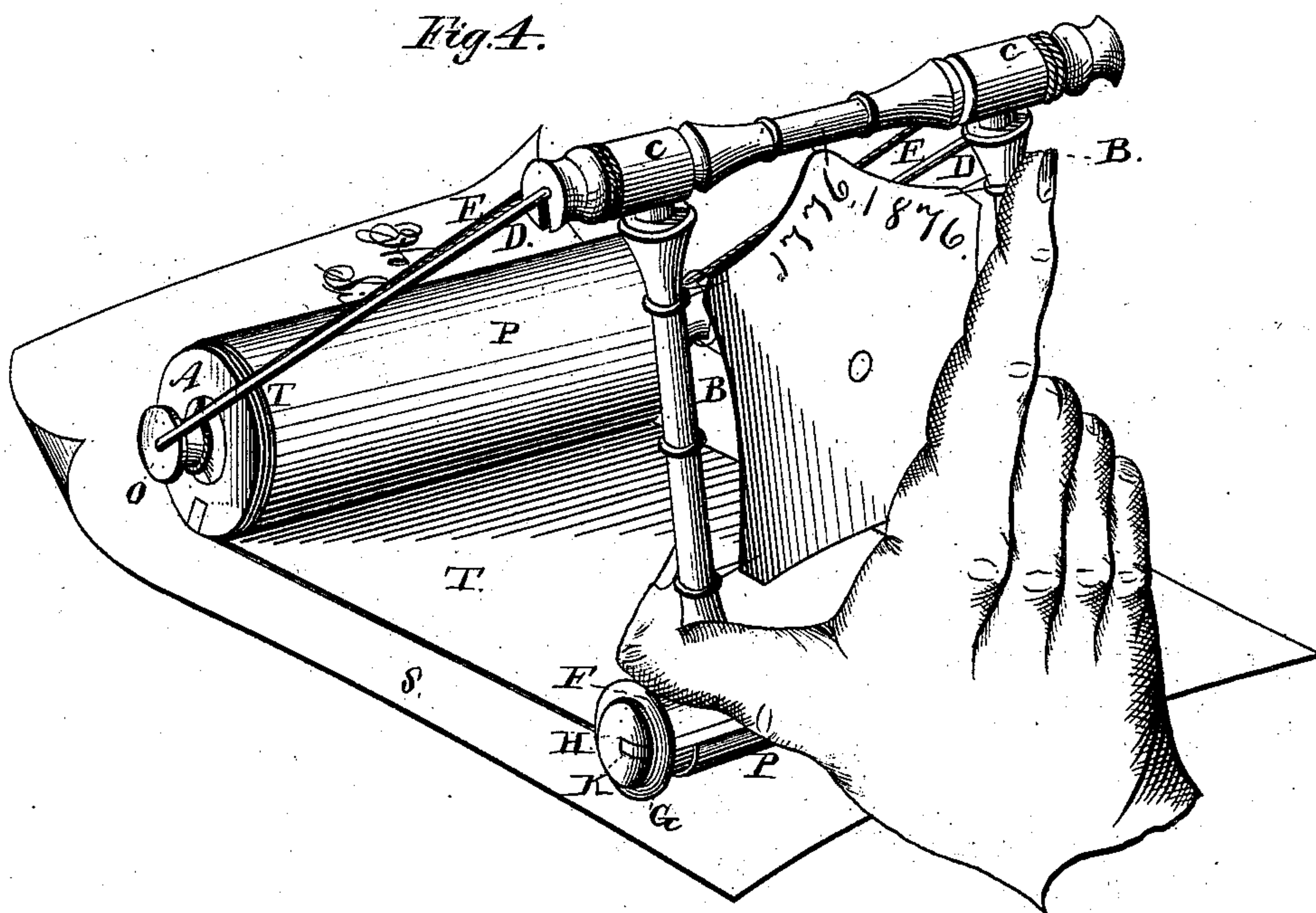
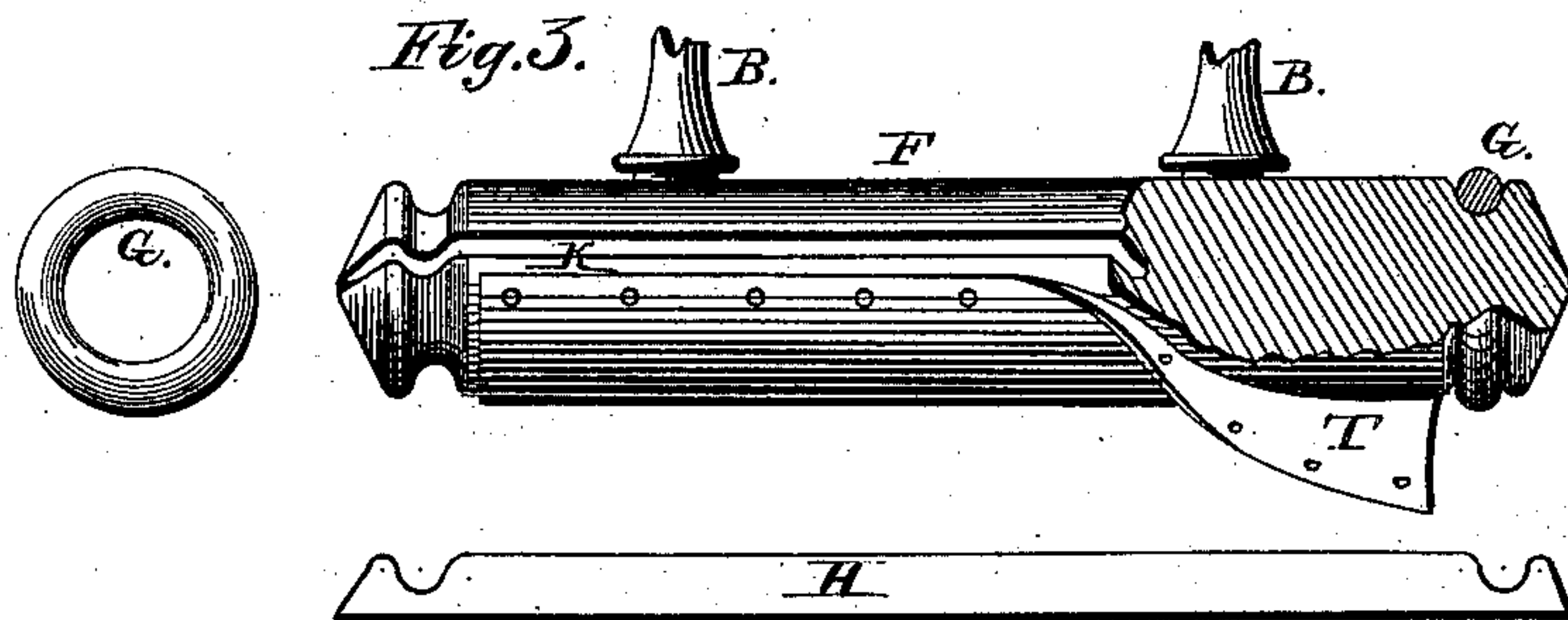
Inventor:

Sigourney Wales

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Sigourney Wales



# UNITED STATES PATENT OFFICE.

SIGOURNEY WALES, OF NEW YORK, N. Y.

## IMPROVEMENT IN ROTARY BLOTTERS.

Specification forming part of Letters Patent No. 177,441, dated May 16, 1876; application filed February 26, 1876.

*To all whom it may concern:*

Be it known that I, SIGOURNEY WALES, of New York city and State, have invented a Rotary Blotter, of which the following is a specification:

My invention has for its object a frame for holding paper or other ink-absorbing material, and capable of being passed with rapidity over the sheet to be blotted without danger of slipping about while in use and destroying the distinctness of the writing—a difficulty which is common to most if not all mechanical blotting devices now in use.

The manner in which this is accomplished is fully described and set forth in the following specification and the drawings which accompany it.

Figure 1 is a side view, showing the roller A having the apron T coiled upon, and having one end secured to it, and the other ends secured to the lower bar F of the resting-frame, having supports B B and cross-bar C.

The roller A is connected with the cross-bar C by the swinging arms D D, and again by the springs E E. H, the locking-bar, which forces the end of the blotting material into the groove K, and held in place by the elastic cushion-rings G G at each end.

R is an indicating-dial, and may give place to an interest-table calendar or advertisement-card.

In place of the supports B B, a flat piece of thin material may make the connection of the cross-bar C with the resting-bar F; or the cross-bar C, supports B B, and resting-bar F may all be combined in one piece of ornamental scroll-work, in metal, so as to perform the same functions, to which the wire arms D D may be attached. The indicator, calendar, &c., may be constructed upon it.

At each end of the roller A are fixed pulleys O O, to which the cords E E are attached, and around which they wind when used.

The apron T has more length than is capable of being unwound by the extension, so that when the blotting material P P is to be renewed it is only required to unreel these extra coils and reel them up again after having inserted an end. The opposite end of P P is then secured to the resting-bar F by the locking-bar H, as described above.

Fig. 2 is a front-view portion of A and C, cut away to show the manner of entering the arms D D. Fig. 3 is a rear view of the lower portion of the resting-frame, showing the construction of the bar F. Fig. 4 represents the blotting device at work, and partially overlaying a sheet, S, showing the manner in which the roller A unwinds the blotter P P and the apron T, at the same time winding upon the pulleys the springs E E, which, when released from the pressure of the hand, cause the roller A to revolve and take upon it P and T as it returns to its position of rest.

It will be seen that the blotting material is applied and taken off from the writing without danger of blemish, for the rubber rings, being naturally of an adhesive nature, hold the whole in a fixed position, and if the blotter moves by an accidental motion of the hand the paper beneath it does so also, and no blurring results from it.

I do not confine myself to the springs E E of elastic cord, as it may be expedient to make the roller A hollow, and have a spring concealed within like a curtain-bar, or a wire spiral spring may be used in connection with a non-elastic cord. It may also be desirable to make the support of the arms D D of pieces of thin material fixed in a saw-cut in F, and with or without the bar C.

The apron T may itself be an absorbent, in which case the addition of other means of taking up the surplus ink may be dispensed with.

I do not claim as my invention the mode of connecting the blotter-sheet with the resting-bar F by means of elastic rings G G and the bar H, this having already been used in newspaper-files.

I claim as my invention—

The combination, with the frame C, B, B, and F, of the hinged arms D D, roller A, apron T, elastic rings G G, and the springs E E, or their equivalent, substantially as and for the purpose hereinbefore set forth.

SIGOURNEY WALES.

Witnesses:

L. J. BRADISH,  
N. H. FURNESS.