

GEORGE STORM.

Improvement in Unwinders for Booked Tobacco.

No. 121,683.

Patented Dec. 5, 1871.

Fig. 1.

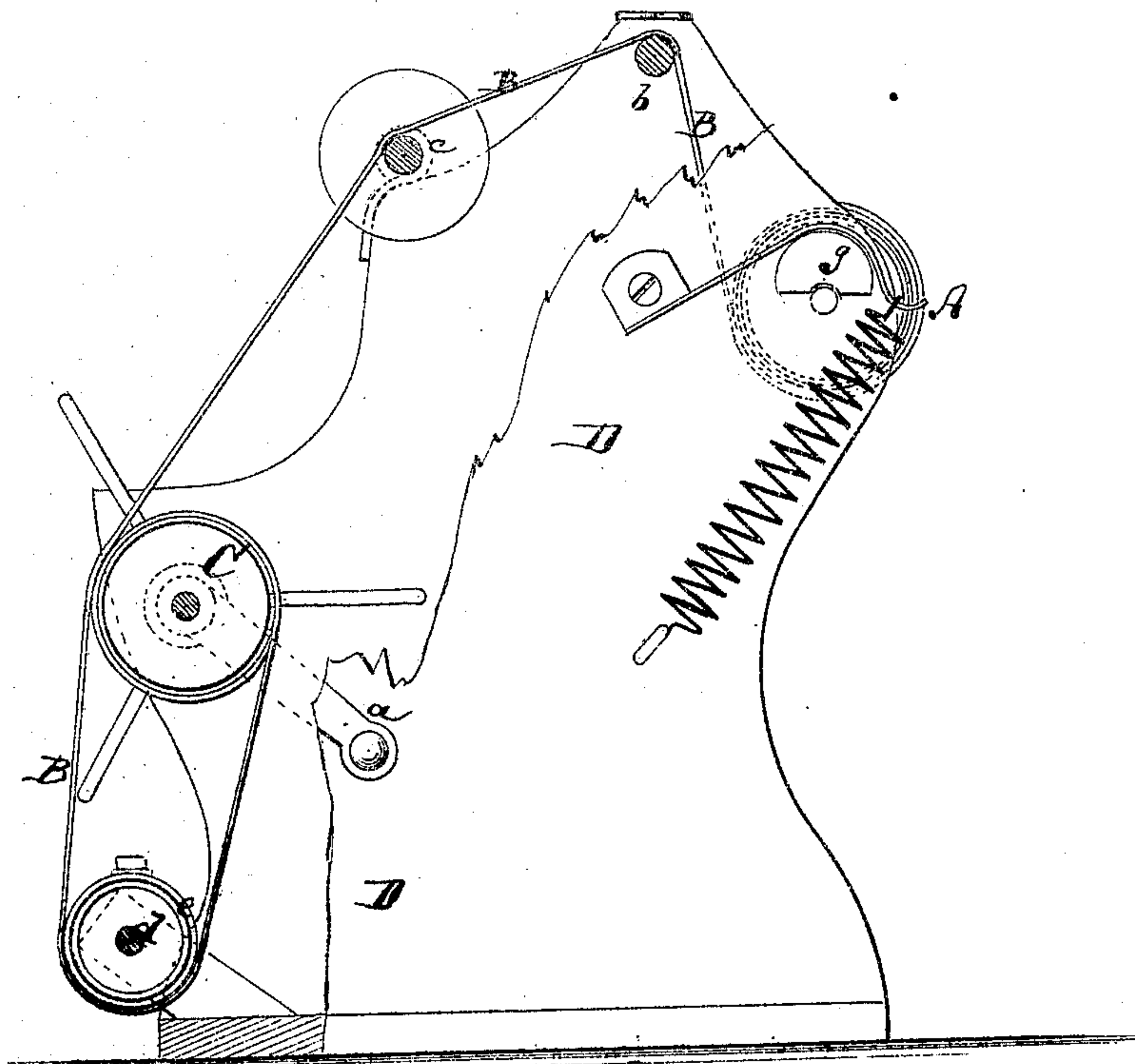
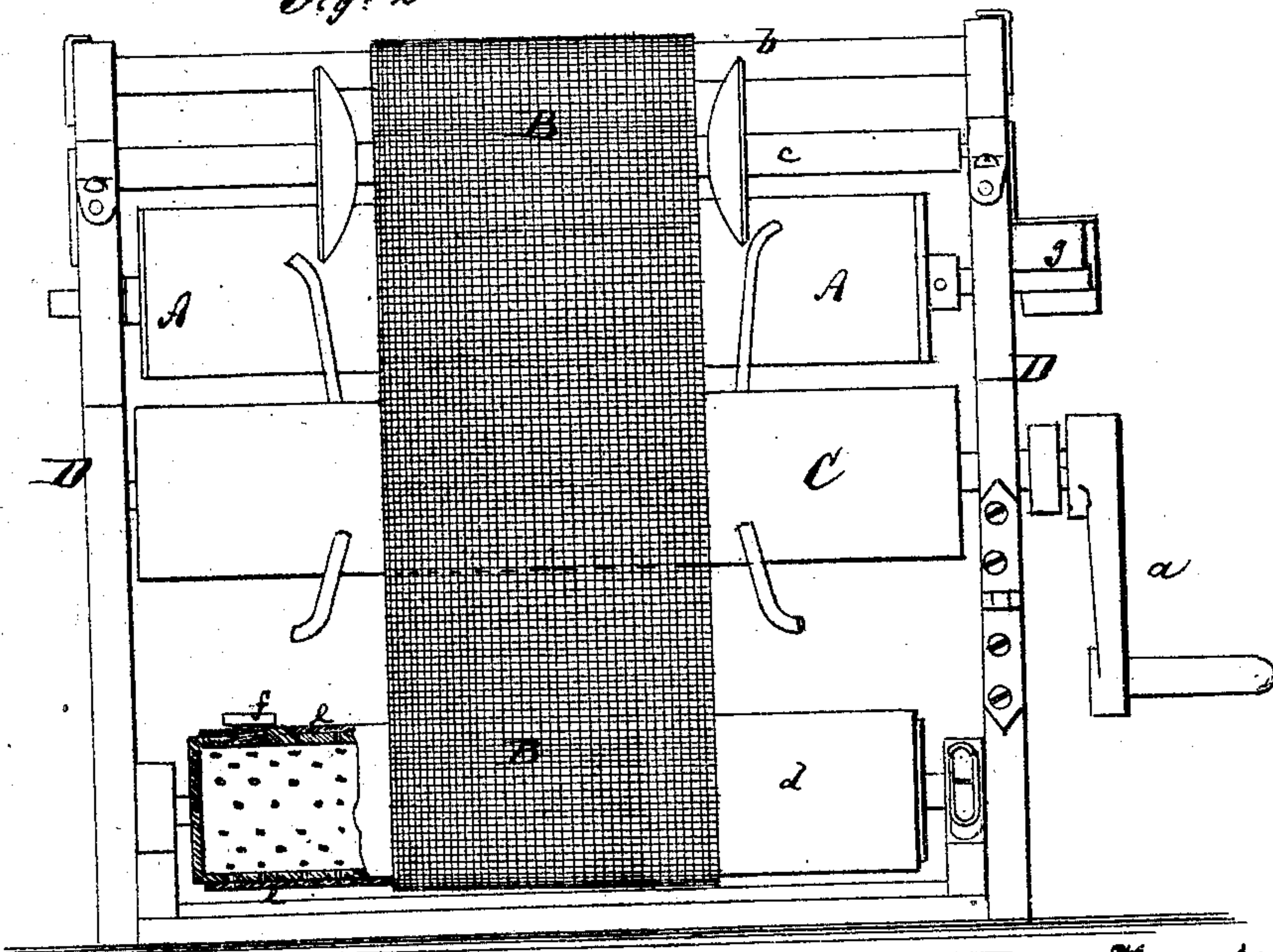


Fig. 2.



Witnesses:

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# UNITED STATES PATENT OFFICE.

GEORGE STORM, OF NEW YORK, N. Y., ASSIGNOR TO STRAITON & STORM, OF  
SAME PLACE.

## IMPROVEMENT IN UNWINDERS FOR BOOKED TOBACCO.

Specification forming part of Letters Patent No. 121,683, dated December 5, 1871.

*To all whom it may concern:*

Be it known that I, GEORGE STORM, of the city, county, and State of New York, have invented a new and Improved Unwinder for Booked Tobacco; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

Figure 1 represents a side elevation, partly in section, of my improved unwinding-machine. Fig. 2 is a front elevation, partly in section, of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new machine or attachment for unwinding booked tobacco; and has for its object, during the process of unwinding, to moisten the booking-apron so that the subsequent booking process can be carried on to greater advantage. My invention consists in the improvement of tobacco booking-machines, as hereinafter fully described and subsequently pointed out in the claim.

The booking of tobacco is done by placing the leaves between the coils or layers of an apron, which is rolled around a drum; thereby the leaves are properly flattened out, the more so, if the apron is moist. After having been booked, the tobacco is removed by unwinding the apron from the drum, either on a separate unwinding-machine or directly on the booking-machine, a second drum being used for receiving the apron.

In the drawing, A represents the drum from which the apron B is unwound. C is the drum upon which it is wound. Both drums are hung

in a frame, D, which may be the frame of the booking, or of the separate unwinding-machine. By means of a hand-crank, *a*, or otherwise, rotary motion is imparted to the drum C, so that it will draw the apron from the drum A. Between A and C the apron is placed over friction-rollers *a c d*, of which a suitable number may be employed. One of these friction-rollers *d* is made hollow and perforated, as is clearly indicated in Fig. 2. A layer, *e*, of felt or other absorbing material, is laid around the roller *d*. Water or other liquid is, through an opening, *f*, poured into the roller *d*, after which the opening is closed by a suitable plug or stopper. The liquid contents of the roller *d* keep the felt *e* constantly moist, so that the same will also moisten the apron B which passes around it. The apron is thereby prepared for the subsequent booking process. *g* is a spring-brake applied to the journals of the drum A for preventing it from turning too easily and rapidly.

I am aware of the fact that aprons, drums, and friction-rolls are old in tobacco booking-machines; and I am also aware that moistening-rolls for wetting sheets of paper are old; therefore I do not desire to claim either of these devices broadly; but—

What I do claim as new, and desire to protect by Letters Patent, is—

The apron, drums, and friction-rolls for unwinding booked tobacco, combined, as described, with a dampening roll, substantially in the manner and for the purpose described.

GEORGE STORM.

Witnesses:

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(160)