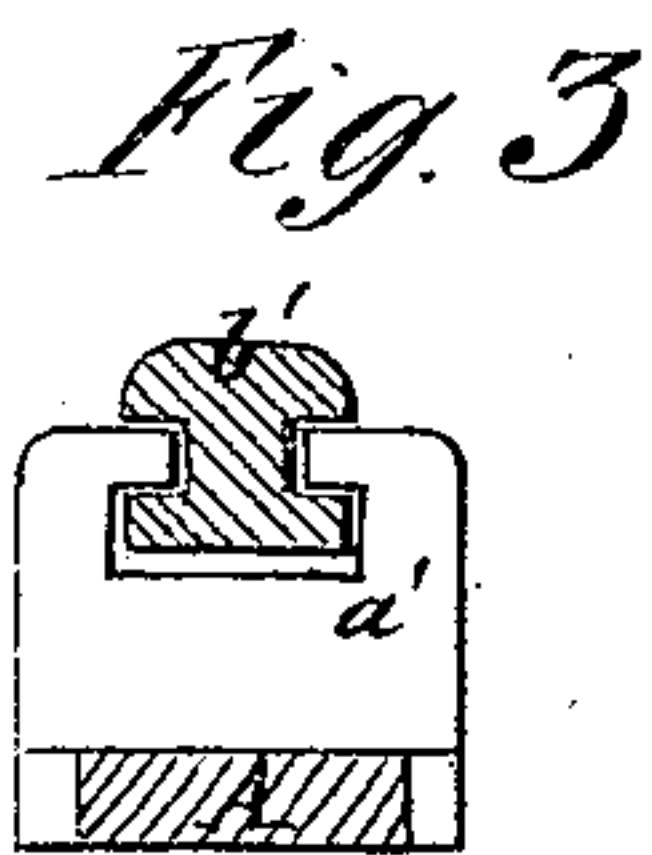
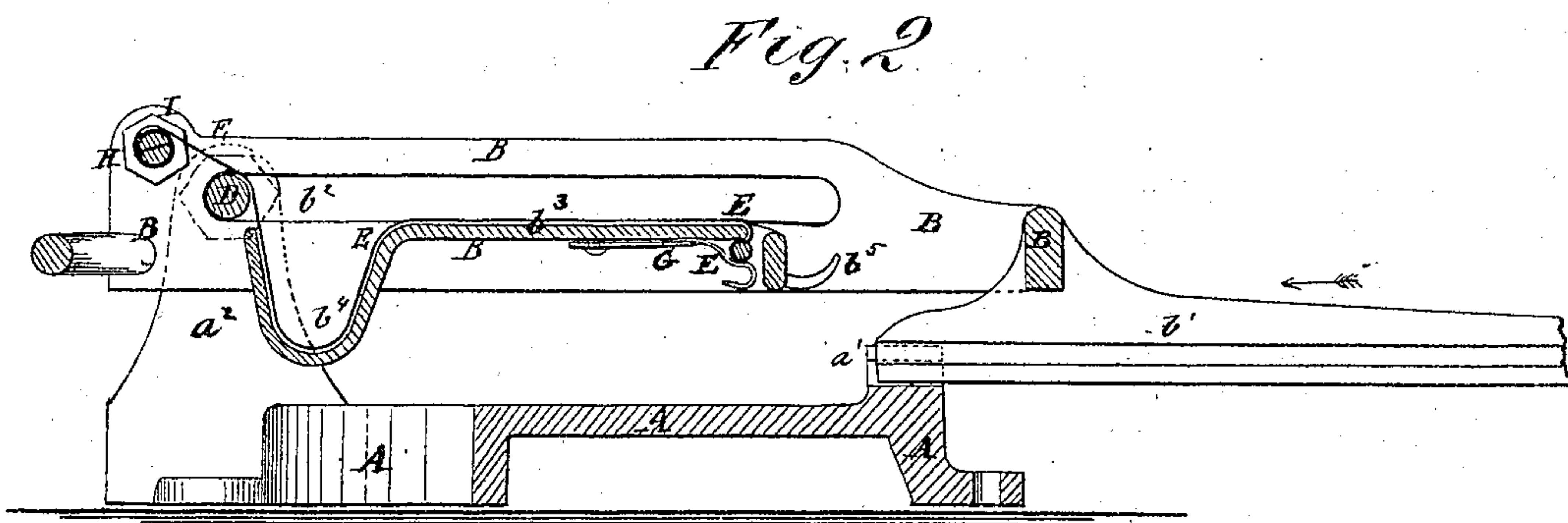
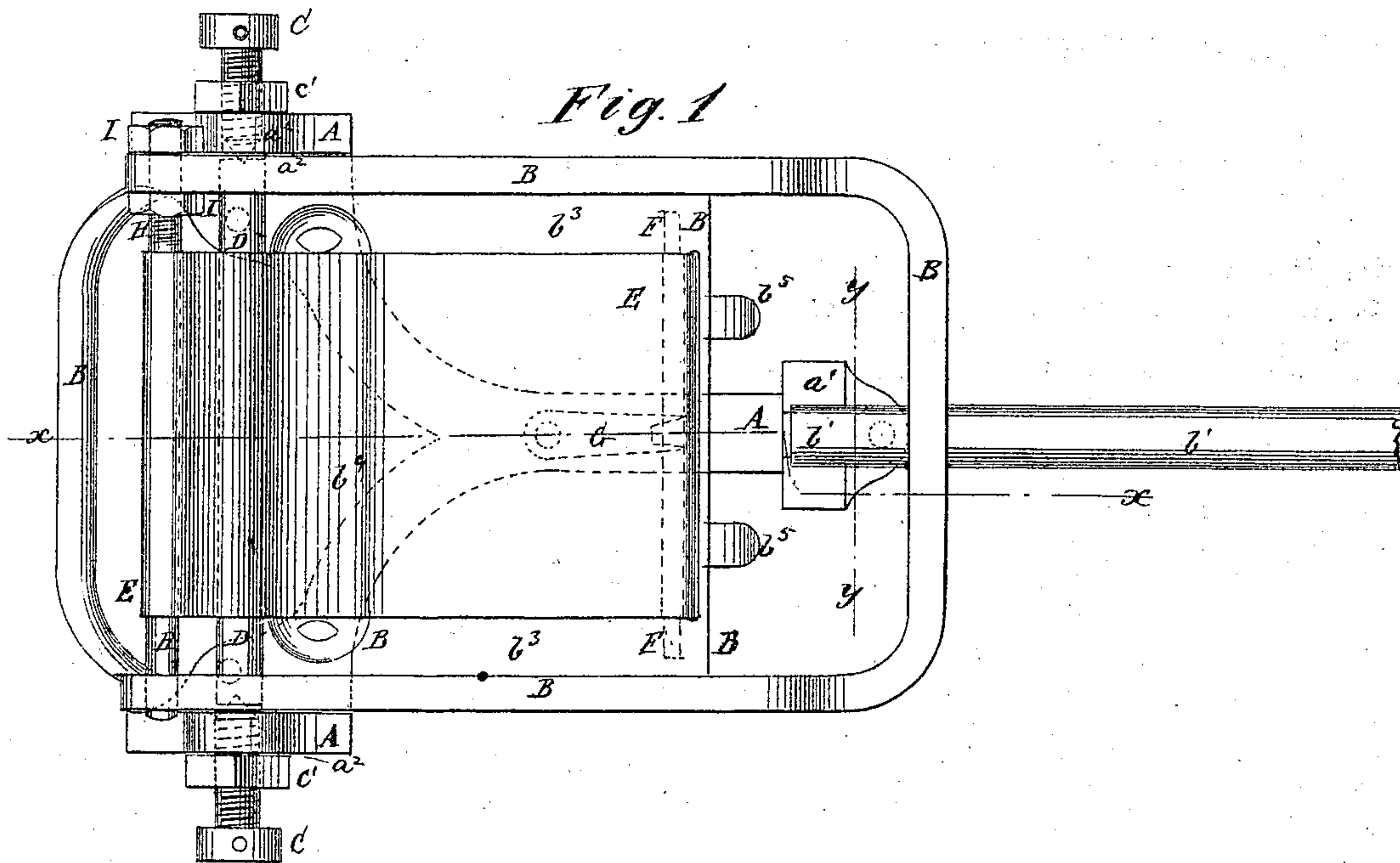


H. B. BUNSTER.
Cigar Bunching-Machines.

No. 136,411.

Patented March 4, 1873.



Witnesses:
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UNITED STATES PATENT OFFICE.

HENRY B. BUNSTER, OF NEW YORK, N. Y.

IMPROVEMENT IN CIGAR-BUNCHING MACHINES.

Specification forming part of Letters Patent No. 136,411, dated March 4, 1873.

To all whom it may concern:

Be it known that I, HENRY B. BUNSTER, of the city, county, and State of New York, have invented a new and useful Improvement in Cigar-Bunching Machine, of which the following is a specification:

Figure 1 is a top view of my improved machine. Fig. 2 is a detail longitudinal section of the same, taken through the line *xx*, Fig. 1. Fig. 3 is a detail section of the same, taken through the line *yy*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved machine for bunching cigars which shall be simple in construction, inexpensive in manufacture, light, strong, and durable, not liable to get out of order, and effective in operation; and it consists in a reciprocating table containing the bunching-recess and carrying the apron, combined with a stationary bunching-roller; in the arrangement of the grooved projection, guide-bar or tongue, roller and slots, in connection with each other and the main and base frames in the recess, and receiving-hooks cast solid upon the platform of the main frame; in the arrangement of the rod, spring, and adjusting-rod, with its clamping-nuts, with the main frame and slotted forward end of the platform, as hereinafter more fully described.

A is the base-frame of the machine, which is a light casting, and which is designed to be secured to a table or bench. Upon the forward end of the frame A is formed a raised projection, *a*¹, in which is formed a T-groove to serve as a guide for the tongue or guide-bar *b*¹ of the table or top frame B and cause it to move back and forth in a straight line. Upon the rear end of the base-frame A are formed two upwardly-projecting lugs or arms, *a*², in the upper ends of which are formed screw-holes to receive the screws C, the forward ends of which are made pointed to serve as centers to the ends of the roller D. The screws C are secured in place when adjusted by the lock or jam-nuts *c*¹. The top frame B moves back and forth between the arms *a*² of the base-frame A, and in its side bars are formed longitudinal slots *b*², through which the roller D passes, which roller thus supports the upper part B of

the machine while moving back and forth. The rear-end bar of the frame B serves as a handle for moving it back and forth. The frame B is guided, as it moves back and forth, by the arms *a*², between which it moves, and by the tongue *b*¹, cast solid with the front bar of said frame, and having grooves in its sides to fit into the T-groove of the projection *a*¹. *b*³ is the platform of the frame B, the side edges of which are formed solid with the sides of the frame B just below the slots *b*². At the rear edge of the platform *b*³, and cast solid therewith and with the frame B, is formed a trough or recess, *b*⁴, into which the proper amount of filling for a cigar is packed. In the end parts of the recess or trough *b*⁴ are formed holes to allow the dust that may enter said recess to escape. Upon the forward edge of the platform *b*³ are cast hooks *b*⁵, upon which the bunch is received. E is an apron or strip of cloth or other suitable material, the forward end of which passes down through a slot in the forward edge of the platform *b*³, and is attached to a rod, F, of such a size and length that it cannot be drawn through the said slot, and which is held up against the under side of the platform *b*³ by an adjustable spring, G. The other end of the apron or strip E passes over the roller D, and is attached to a rod, H, by sewing it to said rod through holes formed in the rod, or in any other manner that will prevent it from slipping and enable it to be lengthened and shortened by turning the rod in one or the other direction to wind said cloth from or upon it. The ends of the rod H enter holes in the rear part of the frame B, and upon one of said ends is formed a screw-thread, upon which is screwed two nuts, I, one upon each side of the bar of the said frame B, so that the said rod can be conveniently secured in place when adjusted.

In using the machine the frame B is pushed fully forward, and the slack of the cloth E is pressed down into the recess *b*⁴. The binder is then laid upon the cloth E upon the platform *b*³, with one end or corner extending down into the recess *b*⁴. The proper amount of filling to form the bunch is then placed in the recess *b*⁴, and the frame B is drawn back. This rolls the bunch over and over in the bight or fold of the cloth E, winds the binder around it, and

brings it into proper condition to receive the wrapper, which is applied by hand in the ordinary manner.

This construction produces a neat, light, compact, and serviceable machine, which a man can readily carry under his arm, and which requires only to be screwed down to an ordinary bench, table, or board to adjust it for use.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a cigar-bunching machine, a reciprocating table containing the bunching-recess b^4 and carrying the apron, combined with a stationary bunching-roller, substantially in the manner described.

2. The arrangement of the grooved projection a^1 , tongue or guide-bar b^1 , roller D,

and slots b^2 , in connection with each other and with the base-frame A and main frame B, substantially as herein shown and described, and for the purpose set forth.

3. The recess b^4 and receiving-hooks b^5 , formed in casting with the platform b^3 of the main frame B, substantially as herein shown and described, and for the purpose set forth.

4. The arrangement of the rod F, spring G, and adjusting-rod H with its clamping-nuts I, in connection with the frame B and slotted forward end of the platform b^3 , substantially as herein shown and described, and for the purpose set forth.

HENRY B. BUNSTER.

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