

M. Bancroft,

Extension Table.

No. 107,215.

Patented Sep. 13. 1870.

Fig. 1.

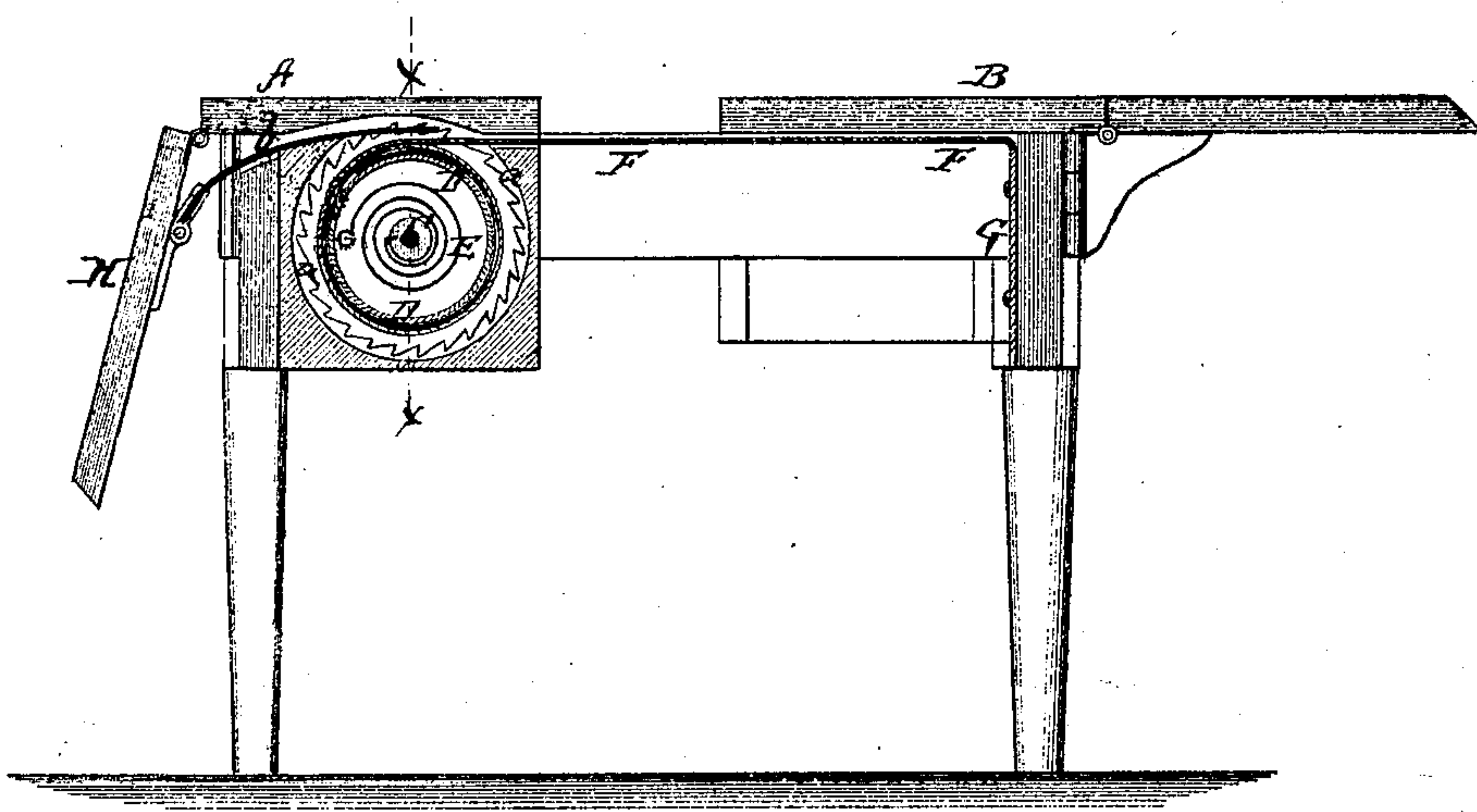
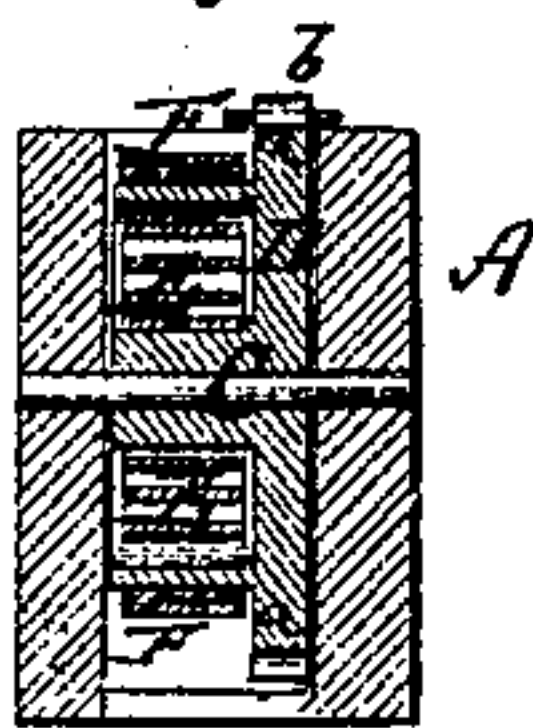


Fig. 2.



Fig. 3.



Witnesses:

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MELVIN BANCROFT, OF MONTAGUE, MASSACHUSETTS, ASSIGNOR TO
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Letters Patent No. 107,215, dated September 13, 1870.

IMPROVEMENT IN EXTENSION TABLE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, MELVIN BANCROFT, of Montague, in the county of Franklin and State of Massachusetts, have invented a new and improved Extension Table; 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 vertical longitudinal section of my improved extension table.

Figure 2 is a detail plan view of the operating pawl.

Figure 3 is a detail transverse section of the inner mechanism, the plane of section being indicated by the line *xx*, fig. 1.

Similar letters of reference indicate corresponding parts.

This invention has for its object to provide an attachment for extension tables, whereby the parts of the same are drawn together to whatever extent the table may have been enlarged or contracted.

The invention consists in the application to an extension table of a spring drum and band, the band being secured with one end to one part of the table, and with the other end to the drum, which is hung to the other part of the table. The spring drum will always tend to hold the band tense, and to draw the parts of the table together.

The invention consists, also, in the application to one swinging leaf, of a pawl, by which the band will be stretched tense whenever said leaf is swung up.

A B, in the drawing, are the two extension parts or main supports of an extension table.

In the part A is fixed a shaft, C, which contains a loose drum, D, that is connected with a spiral spring, E, for winding it up.

The drum D carries also a ratchet-wheel, *a*.

To the outer edge of the drum D is secured one end of a flexible band, F, made of metal or other suitable material.

The other end of the band F is secured to a spring, G, that is fastened to the part B of the table.

To the part A is hinged a leaf, H, which carries a concealed pawl, *b*, that fits over the ratchet-wheel *a*.

When the table is extended or contracted, the band will unwind from or be wound upon the drum, the spring E serving to wind it on whenever the slack is produced.

When the table has been properly adjusted, the leaf H is swung up and turns the drum, so as to stretch the band tight, and thereby firmly draw the several parts of the table close together. The table will, therefore, be firm and substantial, and not as loose as extension tables usually are.

The spring G serves to make the action of the band yielding, and prevents it from being violently strained.

The pawl *b* may, if desired, be attached to any other besides a drop-leaf.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

1. In combination with the leaf H, the pawl *b*, ratchet *a*, drum D, and shaft C, as herein described, for the purpose specified.

2. The combination of the shaft C, drum D, coiled spring E, ratchet *a*, pawl *b*, and band F, with the parts A B and leaf H, as described and for the purpose specified.

3. The combination of spring G with shaft C, drum D, coiled spring E, ratchet *a*, pawl *b*, band F, parts A B, and leaf H, as shown and described, and for the purpose specified.

Witnesses:

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