

SAMUEL E. WALES.

Improvement in Extension Tables.

No. 123,372.

Patented Feb. 6, 1872.

Fig. 1.

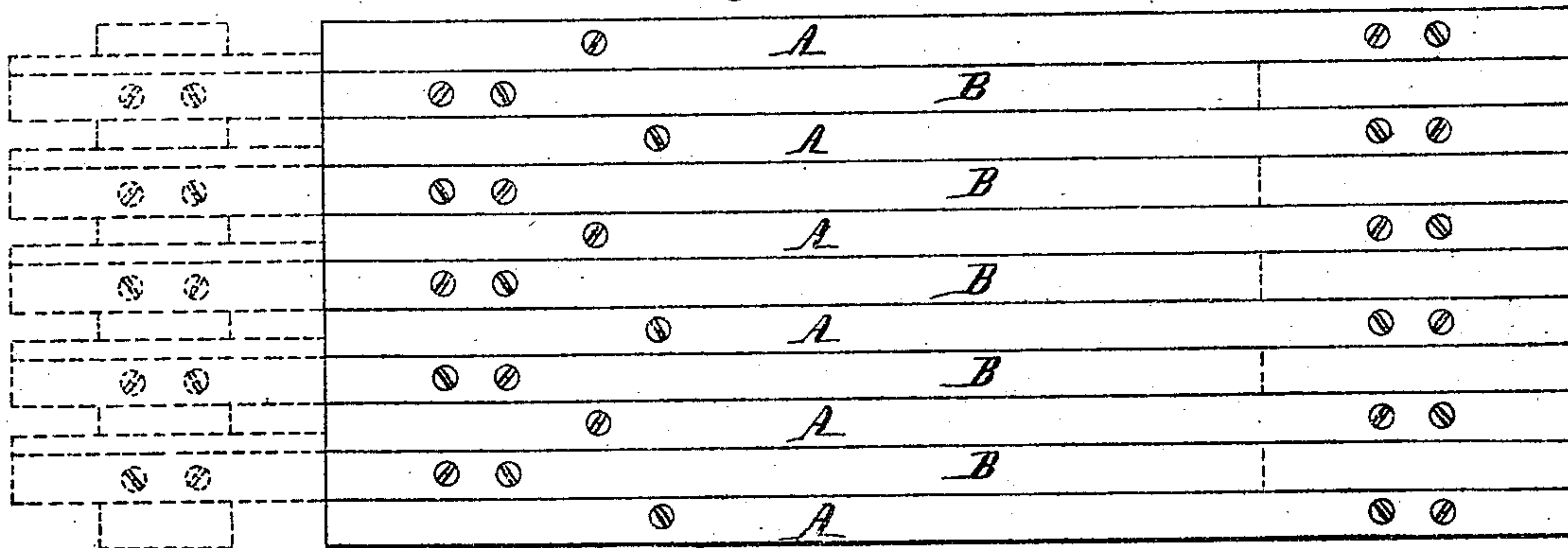


Fig. 2.

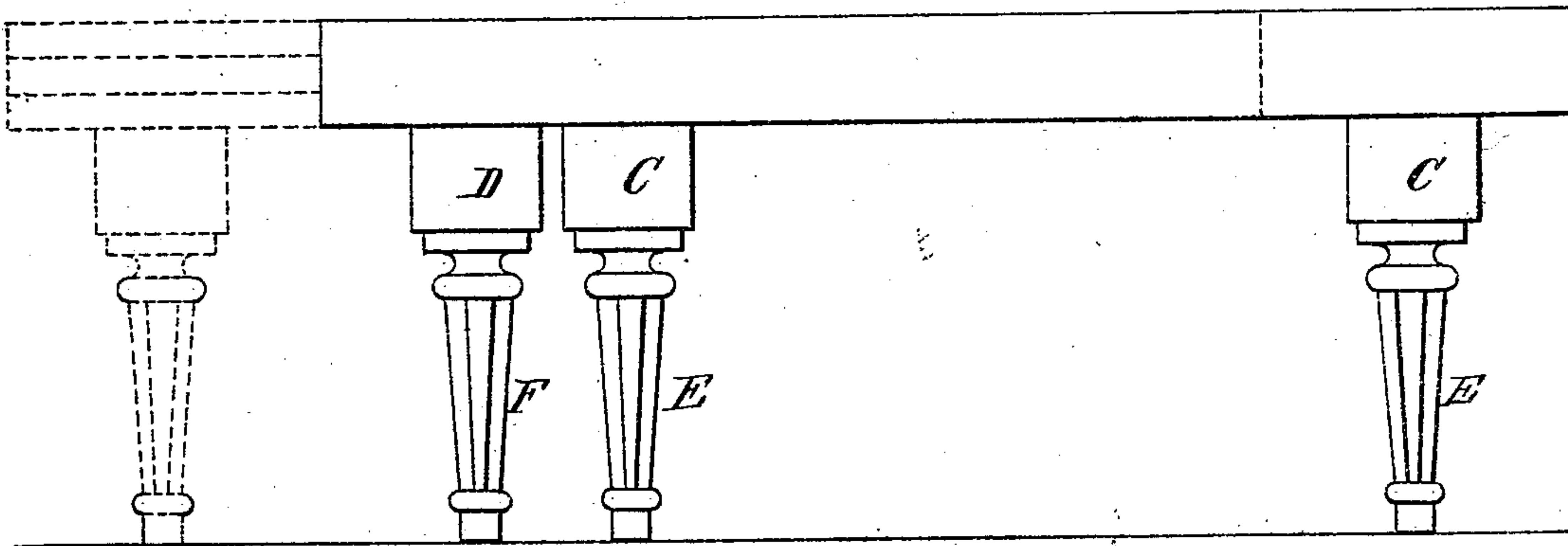
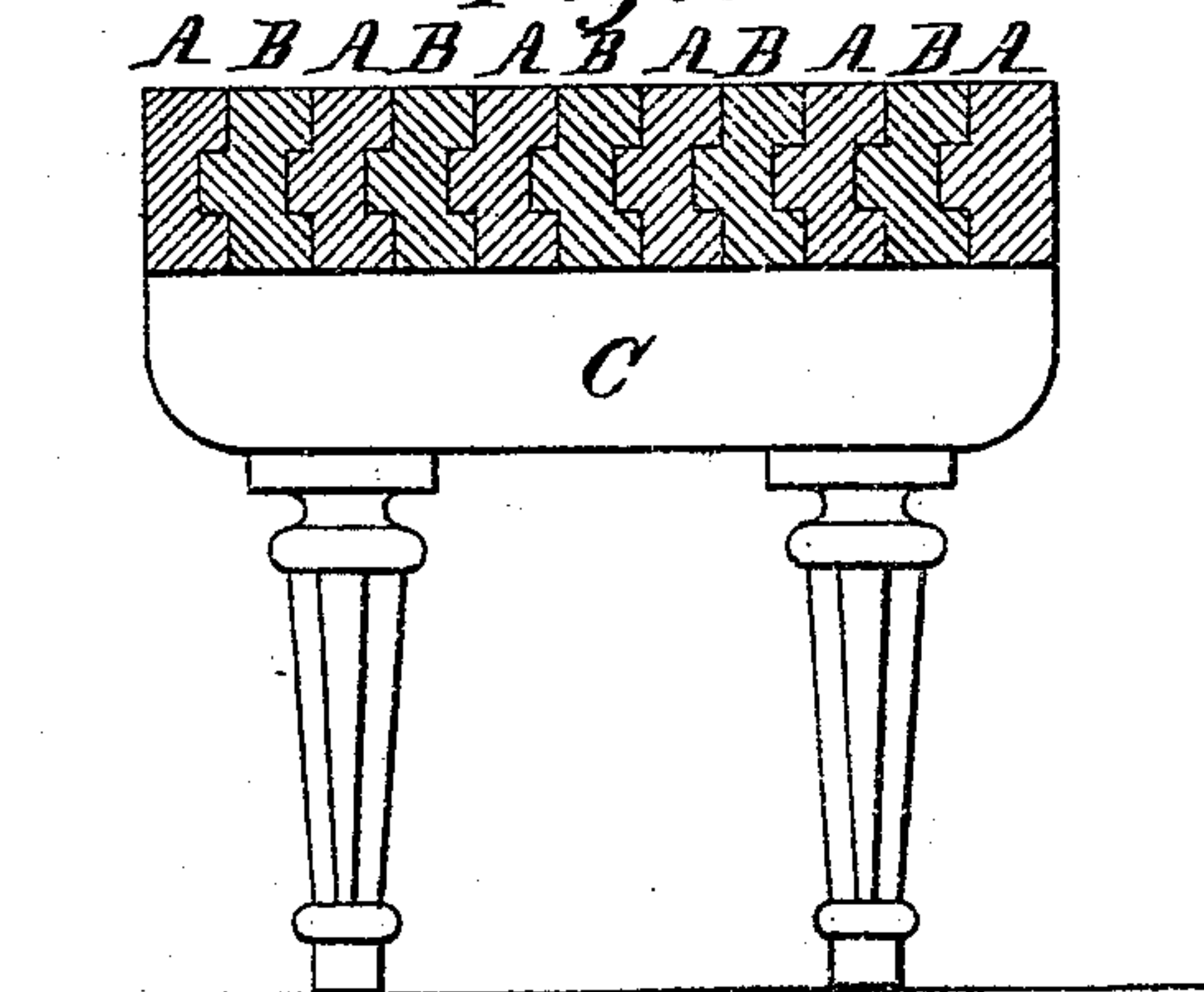


Fig. 3.



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# UNITED STATES PATENT OFFICE.

SAMUEL EDWIN WALES, OF LEBANON, NEW HAMPSHIRE, ASSIGNOR TO HIMSELF AND CHESTER ENGLISH, OF SAME PLACE.

## IMPROVEMENT IN EXTENSION TABLES.

Specification forming part of Letters Patent No. 123,372, dated February 6, 1872.

### SPECIFICATION.

*To all whom it may concern:*

Be it known that I, SAMUEL EDWIN WALES, of Lebanon, in the county of Grafton, and in the State of New Hampshire, have invented a new and useful Improvement in Extension Tables; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification.

My invention consists in so constructing an extension table that it may be extended and contracted after having been "set" without the trouble and inconvenience attending a removal for this purpose of the articles placed upon it.

Figure 1 is a plan or top view of my improved table, the dotted lines indicating a partial extension thereof. Fig. 2 is a side elevation. Fig. 3 is a cross-section, showing the construction of the parts forming the tabular surface.

A represents a series of narrow strips of walnut, chestnut, or other suitable wood firmly attached at equal distances by means of screws or otherwise to cross-bars C C supported upon four legs, E. Each of these strips is tongued on one side and grooved on the other, excepting the outer edge of the table. Another series of strips, B, is attached at or near one end to a single cross-bar, D, supported upon two legs, F. This latter series of strips is correspondingly tongued and grooved, and slides in the spaces between the strips A.

By placing the hand in a slot in the under side of the cross-bar D of the series B and drawing the same the table may be extended

to nearly twice its length when closed, or to any lesser desired degree, and this without removing articles which may be upon it. The strips are made in such width as to leave but narrow open spaces when the table is extended, and these when the cloth is on, especially if it be an oil-cloth, will be almost or quite imperceptible.

I propose to construct my table without either tenon, mortise, or glue. The legs are screwed into the cross-bars, and the strips A and B fastened by screws to said cross-bars. Thus it can be easily taken apart and transported in a very compact form, and as easily put together again. The tabular surface, being composed of the tongued-and-grooved strips, cannot warp or twist, as is the case of other tables. Furthermore, the table is very much lighter, and at the same time more substantial; and the advantages of its ready extension and contraction will be clearly seen.

Counters for stores, offices, &c., may be constructed in the same manner, where passages through the same are required.

I claim as my invention—

1. An extension table or counter-top having a series of tongued-and-grooved strips sliding in spaces between another and similar series, substantially as set forth.

2. The combination of the series of tongued-and-grooved strips A, fastened to the cross-bars C supported upon legs E, with the series of strips B fastened to the cross-bar D supported upon legs F, substantially as described.

SAMUEL EDWIN WALES.

Witnesses:

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