H. O. HALL & H. J. DURGIN.

Table.

No. 206,234. Patented July 23, 1878.

Fig: 1.

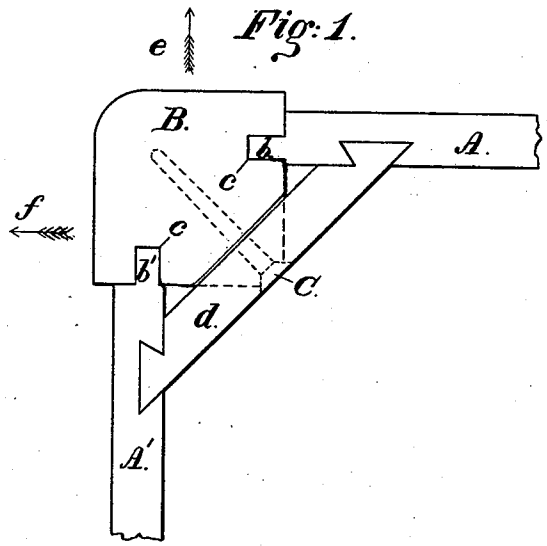


Fig: 3.

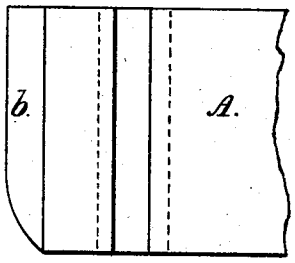
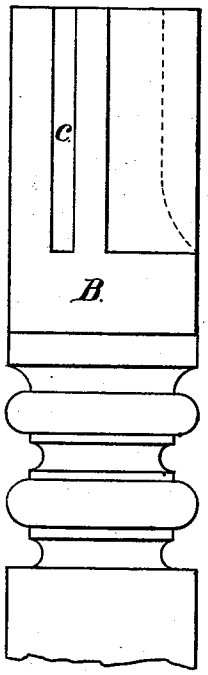


Fig: 2.



WITNESSES.

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UNITED STATES PATENT OFFICE.

HENRY O. HALL AND HENRY J. DURGIN, OF ROCHESTER, NEW YORK.

IMPROVEMENT IN TABLES.

Specification forming part of Letters Patent No. **206,234**, dated July 23, 1878; application filed October 13, 1877.

To all whom it may concern:

Be it known that we, HENRY O. HALL and HENRY J. DURGIN, of Rochester, in the county of Monroe and State of New York, have invented certain Improvements in Table-Frames; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which—

Figure 1 is a plan view of a corner of a table-frame constructed according to our improvement. Figs. 2 and 3 are elevations of the leg and one rail.

The object of our invention is to provide an ordinary square frame-table with legs which are readily removable for packing and transportation; and it consists in rigidly connecting the side rails of the frame at the corners by a diagonal brace, and providing tongues upon the ends of the rails fitting into grooves in the legs, the latter being readily pushed into and pulled out of place after the table is put together.

A A′ are the rails of the table-frame, to which the top is secured in the usual manner. These rails do not quite meet at the corners, and have tongues *b* and *b′* formed upon them, which fit into grooves *c c* in the upper portion of the leg B. For the purpose of strengthening the rails and making a secure corner, we provide a diagonal brace, *d*, which is dovetailed into the rails, as indicated, and is preferably retained in its place by glue. This makes a very strong frame, and one that is well braced against strains, whether the leg is in or out of its place. The inner corner of the leg is removed for a distance equal to the depth of the brace *d*, and the leg may thus be easily pushed into or removed from its place after the other parts of the table are together.

It will be observed that the tongue *b′* prevents the leg from being forced out of place in the direction of the arrow *f*, while the tongue *b* acts in like manner with reference to strains in the direction *e*, (both together acting similarly in all directions,) and, the rails being rigidly held by the brace *d*, lateral displacement or springing of the leg is impossible.

It is preferable, when tables made after this plan are put up for use, that the joints *b b′ c c* be glued up, as this produces the most secure work; but in many cases this is not advisable, and a screw, C, may be inserted through the brace *d* into the leg, and, if it is necessary at any time to "knock down" the table, the screw may be removed and the leg pulled out. The screw C acts mainly to prevent accidental loosening of the leg in the direction of its length, and it is not necessary to its lateral attachment, that function being performed by the tongues *b b′*.

We are aware that tables with removable legs are not new; that the rails have been dovetailed into the legs; that the latter have been screwed into a corner-block; and that metallic corner-braces have been used, to which the legs were screwed; but all these constructions are open to serious objections, and are essentially different from our invention.

By our improvement we produce a table-frame which is entirely of wood, and therefore preferred by the trade, which is very cheap and simple in its construction, and which resists strains in any direction, whether the legs are in or out.

What we claim as our invention, and desire to secure by Letters Patent, is—

A knock-down table-frame embracing in its construction the following instrumentalities: the rails A A′, provided with tongues *b b′*, the leg B, having grooves *c c*, to which the tongues *b b′* are fitted, and the dovetailed corner-brace *d*, with or without the screw C, substantially as and for the purposes set forth.

HENRY O. HALL.
HENRY J. DURGIN.

Witnesses:
ELISHA METS,
H. KNAUF.