W. VALENTIN.

Extension Tables.

No. 152,196. Patented June 16, 1874.

Fig: 1.

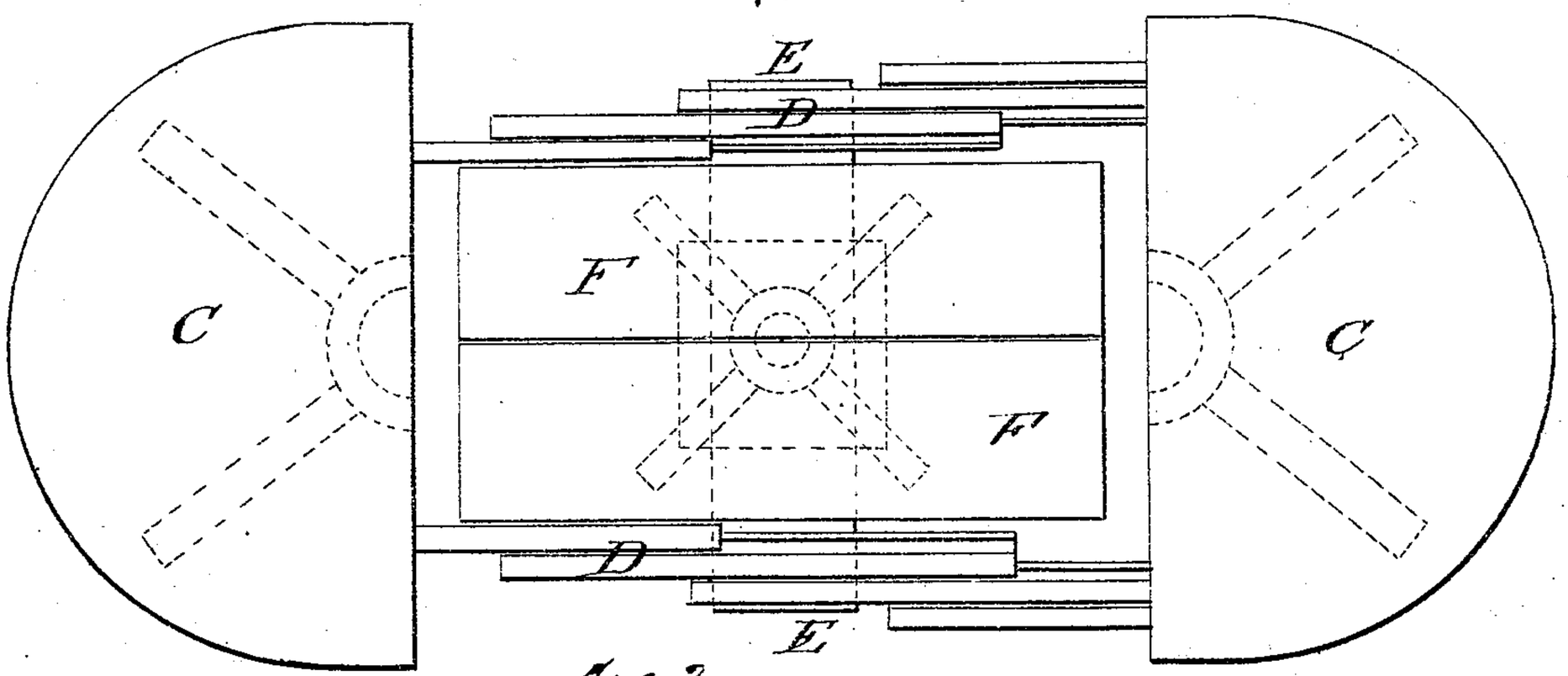


Fig: 2.

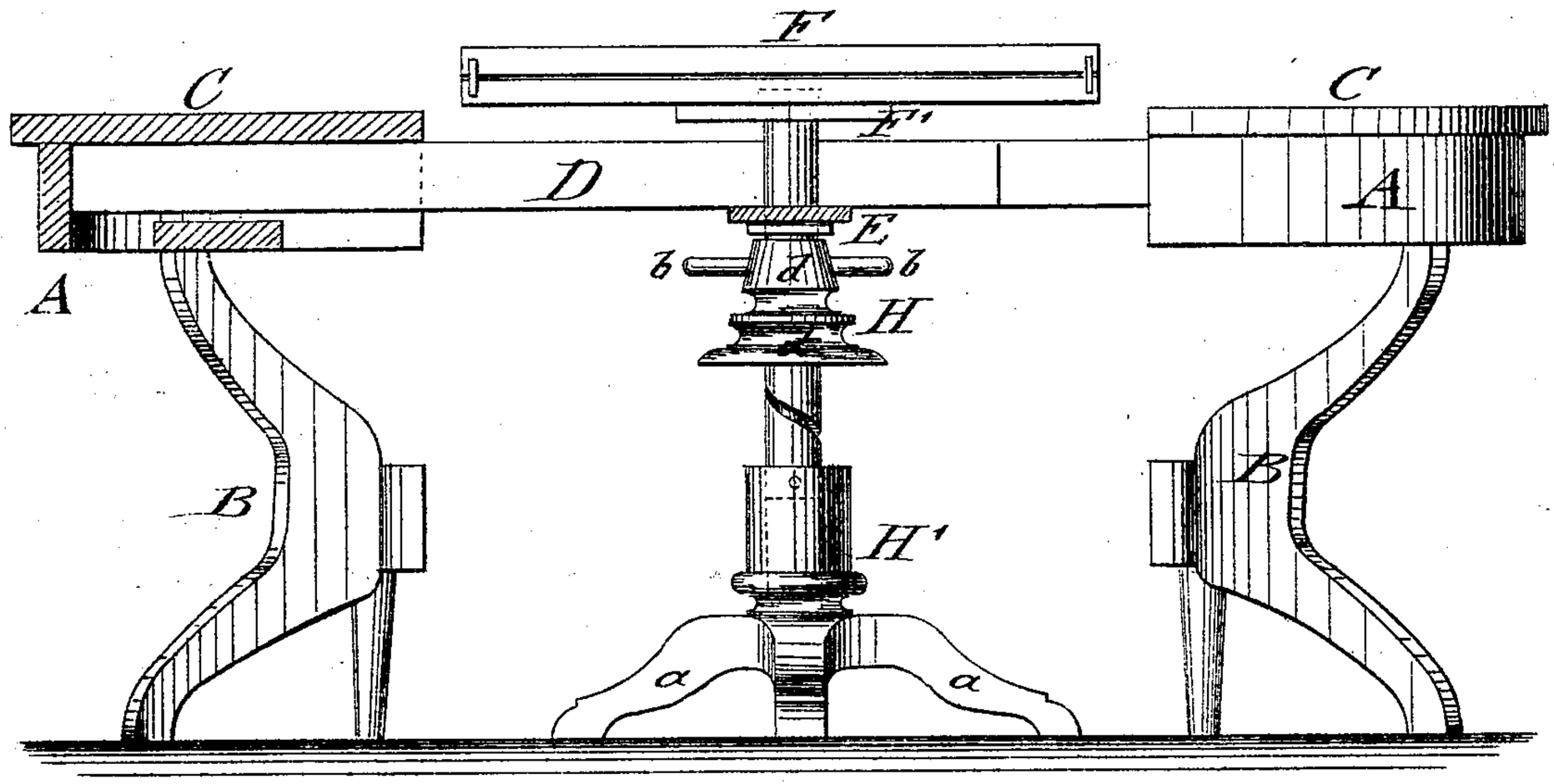
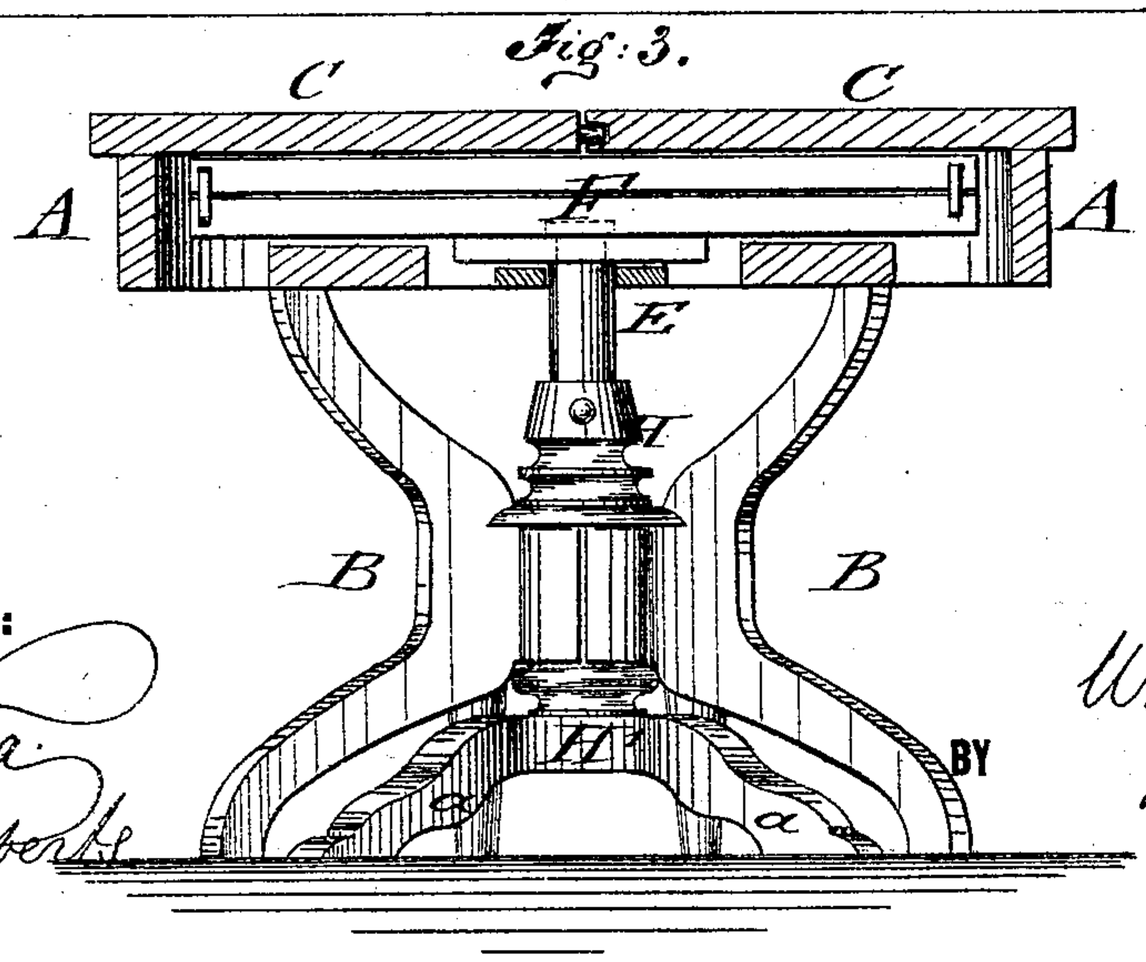


Fig: 3.



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WILHELM VALENTIN, OF COLLEGE POINT, NEW YORK.

IMPROVEMENT IN EXTENSION-TABLES.

Specification forming part of Letters Patent No. **152,196**, dated June 16, 1874; application filed November 20, 1873.

To all whom it may concern:

Be it known that I, WILHELM VALENTIN, of College Point, in the county of Queens and State of New York, have invented a new and Improved Extension-Table, of which the following is a specification:

The object of my invention is to furnish an improved extension-table for hotels, boarding-houses, and other purposes, by which any required length of table may be obtained, combining with the necessary degree of stability a firm connection of the parts, and permitting the leaves to be folded out of sight within the frame of the table, so as to be readily inserted between the top plates after opening the same to the required length.

My invention consists in hinging a series of leaves together and folding them on a larger base-leaf, which is applied to a central supporting foot or pillar by a socket-plate, so that the pillar may turn therein. A quick screw-thread at the lower end of the pillar turns in a female threaded socket with legs, and raises or lowers the leaves, as required. The pillar is placed centrally to the main frame of the table, and forms the support for the table.

In the accompanying drawing, Figure 1 represents a top view of my improved extension-table drawn out, so as to show the leaves stored away between the slide-bars. Fig. 2 shows a side elevation of the same, partly in axial section, with the leaves raised on the screw-pillar, ready to be swung around for unfolding; and Fig. 3 is a longitudinal vertical section of the table as closed.

Similar letters of reference indicate corresponding parts.

A represents the frame of the extension-table, which is made of any desired shape, and supported by straight or ornamental legs B. The top plate C is made of two halves, which are drawn apart by the sliding bars D, of the usual construction, to the required length. A lateral plate, E, is screwed firmly to the opposite sliding bars, and serves to support the folding leaves F in the closed or extended position of the table. Through a perforation of plate E passes the central pillar H, which carries at its top the leaves F, and turns freely in a central socket-plate, F′, of the same. Socket-plate F′ is firmly applied to base leaf F, whose length is equal to the width of the top plate C, while its width corresponds exactly to the distance between the innermost slide-bars D. To the longer sides of the base-leaf F are hinged folding leaves F of half its size, which may again be provided at their opposite side with additional hinged leaves folded in alternate direction, according to the extension required. The uppermost halves F fold nicely and compactly together, the tongues of one leaf locking into the corresponding grooves of the other. The central pillar H turns by means of its screw end with a quick thread in a base-socket, H′, which is supported on legs *a*. Handles *b* project diametrically from pillar H, to serve for the convenient turning of the same, while a central shoulder, *d*, defines the extent of upward and downward motion of the pillar.

Instead of the screw device, a rack with cog-wheels and crank, or any other equivalent construction for raising and lowering the pillar H and folding leaves F, may be used.

If the table is constructed with ornamental legs, the socket H′ may be so recessed that the outer legs incase it neatly when the table is closed.

The extension-leaves F are stored away in longitudinal direction between the sliding bars D, the pillar being at the same time fully within its base-socket.

It is obvious that any thickness of leaves may be stored, even to a length of thirty or forty feet, by merely making the covering-frame of corresponding width.

The extension-table may also in similar manner be arranged with two or more pillars and extension-leaves, as desired.

For extending the table the top plates are drawn out to their full length. The pillar is then raised till the leaves clear the top plates. They are then turned into lateral position on the pillar, folded open, screwed back to the level of the top plate, and locked by the tongues and grooves of the outermost hinged leaves into the corresponding grooves and tongues of the top plates. The hinge connection of the leaves, together with the solid support given by the pillar, gives the extension a great degree of stability, while the storing away of the leaves utilizes the

space between the sliding bars, makes the extension of the table more convenient, and obviates the taking out and storing away of the leaves; also the annoying delay caused by the ill fitting of the leaves hitherto in use.

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

The combination of the screw-post H and socket H′ with the leaves F and base-plate F′, as and for the purpose described.

WILHELM VALENTIN.

Witnesses:
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