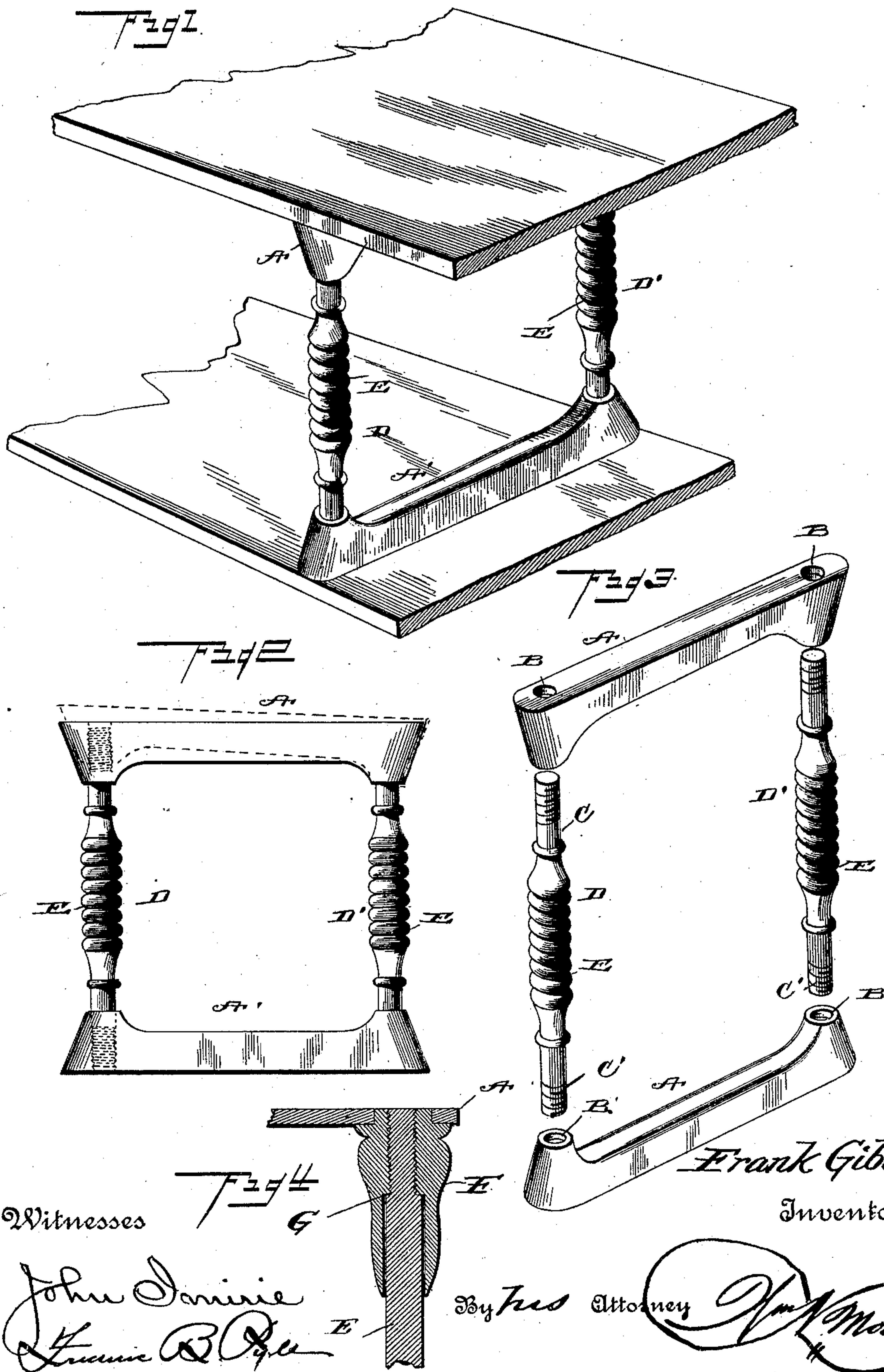


(No Model.)

F. GIBBS.
SHELF SUPPORT.

No. 472,347.

Patented Apr. 5, 1892.



UNITED STATES PATENT OFFICE.

FRANK GIBBS, OF BRIDGTON, MAINE.

SHELF-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 472,347, dated April 5, 1892.

Application filed September 16, 1891. Serial No. 405,843. (No model.)

To all whom it may concern:

Be it known that I, FRANK GIBBS, a citizen of the United States, residing at Bridgton, in the county of Cumberland and State of Maine, have invented certain new and useful Improvements in Shelf-Supports; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in shelf-supports; and one object of my invention is the provision of a support which can be adjusted with ease to raise or lower the shelves or support them at an inclination.

Another object of my invention is the provision of a support which will be detachable or removable to enable the support to be placed at any desired place and which cannot damage the shelving.

Another object of my invention is the provision of a support which, in addition to being adjustable and removable, will have a broad supporting-surface, and thereby provide a firm and reliable support.

Another object of my invention is the provision of a support which will be of the most simple and durable construction and which can be produced at the lowest possible price.

To attain the desired objects my invention consists of the improved device herein illustrated, described, and specifically defined by the claims.

Figure 1 represents a perspective view of my support applied. Fig. 2 represents a side elevation showing in dotted lines how the supporting-bars may be inclined, if desired. Fig. 3 represents a view of the parts detached. Fig. 4 represents a sectional view of a modification of my device.

My shelf-support consists of the supporting bars or arms A and A', having the ends preferably widened and provided with the screw-threaded openings B and B' to receive the threads C and C' of the adjusting-rods D and D'. The adjusting-rods may have a grasping portion E, if desired, to enable them to be readily and easily turned. In the modified

form I employ sockets F, threaded and having a shoulder G, as shown.

The operation of my device will be readily understood from the drawings and description, and it is merely necessary to state that the shelves rest on the supporting-bars and the rods are turned to adjust the shelves when desired.

It will be seen that I provide a support which is of the cheapest and strongest construction, which will adjust the shelves with ease and form a perfect support, which will support shelves at any desired place, and which will not damage the wood, and which can be removed with ease and placed at the most desired point.

I claim—

1. The herein-described detachable shelf-support, consisting of an upper and lower bar having threaded sockets in each end, and adjusting-rods having threaded ends engaging and adjustable in said threaded sockets.

2. The herein-described detachable shelf-support, consisting of an upper and lower bar having an opening in each end, threaded sockets fitting in said openings, and rods having their ends threaded and engaging said threaded sockets for adjusting the upper and lower bars.

3. A detachable and adjustable shelf-support consisting of an upper and lower supporting-bar and rods having their ends adjustable in said bars for adjusting the bars, for the purpose described.

4. A detachable and adjustable shelf-support consisting of an upper and lower supporting-bar and rods engaging the ends of said bars to adjust them, for the purpose described.

5. A detachable and adjustable shelf-support consisting of an upper and lower bar having a threaded socket in each end and bars having threaded ends engaging said sockets and having grasping portions to permit easy turning of said rods, for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

FRANK GIBBS.

Witnesses:

S. C. STROUT,
H. C. FARR.