J. J. Cassidey.

Ship Implement.

No. 68,487. Patented Sept. 3, 1867.

Fig: 1.

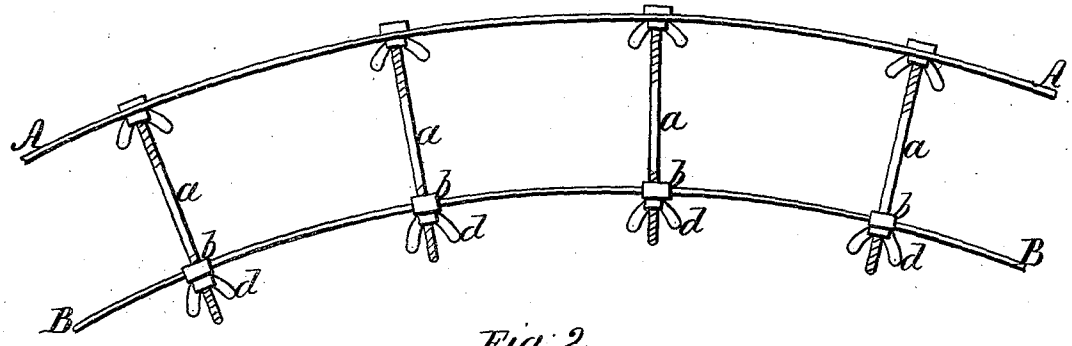

Fig: 2.

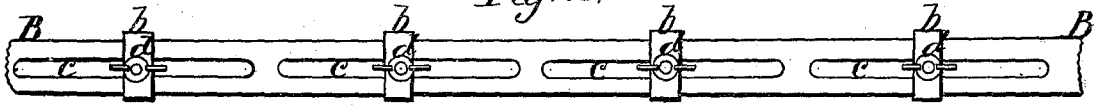

Fig: 3.

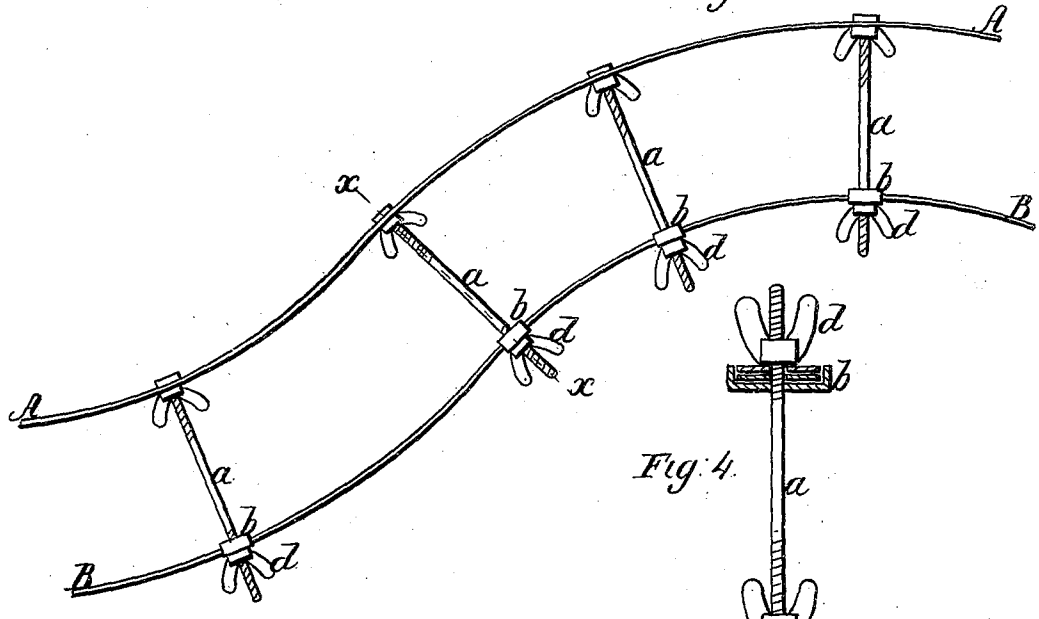

Fig: 4.

Witnesses;
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JESSE J. CASSIDEY, OF WILMINGTON, NORTH CAROLINA.

Letters Patent No. 68,487, *dated September* 3, 1867.

IMPROVED ADJUSTABLE SHIP-BUILDERS' MOULD.

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, JESSE J. CASSIDEY, of Wilmington, in the county of New Hanover, and State of North Carolina, have invented a new and improved Adjustable Parallel Ship-Builders' Mould; 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 drawings, forming part of this specification.

Figure 1 is a side view of my improved adjustable ship-builders' mould, showing its application to the arc of a circle.

Figure 2 is an edge view.

Figure 3 is a side view of the same, showing its application to double reversed curves.

Figure 4 is a cross-section taken in the line *x x*, fig. 3.

Similar letters of reference indicate corresponding parts.

The nature of this invention consists in providing an instrument for the use of ship-builders, by which the lines of curved patterns may be readily and accurately transferred to the timbers to be hewed and dressed for building a vessel.

It is well known that the irregular lines and curves required in the shaping of timbers for the frame of a vessel are first laid out on the floor of a workshop, and that in order to transfer the patterns to the timbers to dress them by, a temporary "mould," so called, is made to fit the pattern on the floor, by bending thin strips of wood, and tacking them, to keep the proper shape until they are secured by nailing boards on the strips to allow them to be handled and placed upon the ship-timbers, which are then scribed or marked by the "mould" thus formed, to transfer to them the lines and curves which were laid out on the floor. The moulds thus made have no value for subsequent use with different patterns.

The object of my improvement is to dipense with this tedious, troublesome, uncertain, and expensive method of transferring patterns to ship-timbers, and it is accomplished by my adjustable parallel metallic mould, which can be adapted with great facility to any pattern by means of sliding set-screws, and may then be used for transferring the pattern to ship-timber, and may be used over and over again for the purpose, thus effecting great saving of time in performing the work, and economy of material now consumed in constructing moulds for different patterns.

In the drawing, A A represents a thin flexible metal band or ribbon, made preferably of steel, in which, at regular distances apart, are fastened the ends of set-screws *a a*, as many as may be necessary, which set-screws each pass through slots *c c*, fig. 2, in a corresponding metal band, B B, which is set at a parallel distance from the band A A, by collars *b b*, screwed upon or otherwise secured to the set-screws *a a*.

It will be seen that the metal band A A may be laid upon the floor, and bent to adapt it to any curved pattern usually required for ship-timbers, and it may be fixed in any required position by sliding the set-screws *a a*, in the slots *c c*, in either direction necessary to bring the band B B to the corresponding parallel curved pattern, and then tightening the set-screws, to keep them in place, with wing nuts *d d*.

When the band A A has thus been set to the pattern, the instrument can be handled and applied to the ship-timber, and the pattern be transferred to it by scribing or marking in the usual way.

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

The adjustable parallel ship-builders' mould, constructed and operating substantially as and for the purpose herein shown and described.

JESSE J. CASSIDEY.

Witnesses:

J. W. WINSLOW,

ABBY H. NASH.