

L. M. HILLS.
Templets for Wood-Paneling Machines.

No. 150,039.

Patented April 21, 1874.

fig. 1.

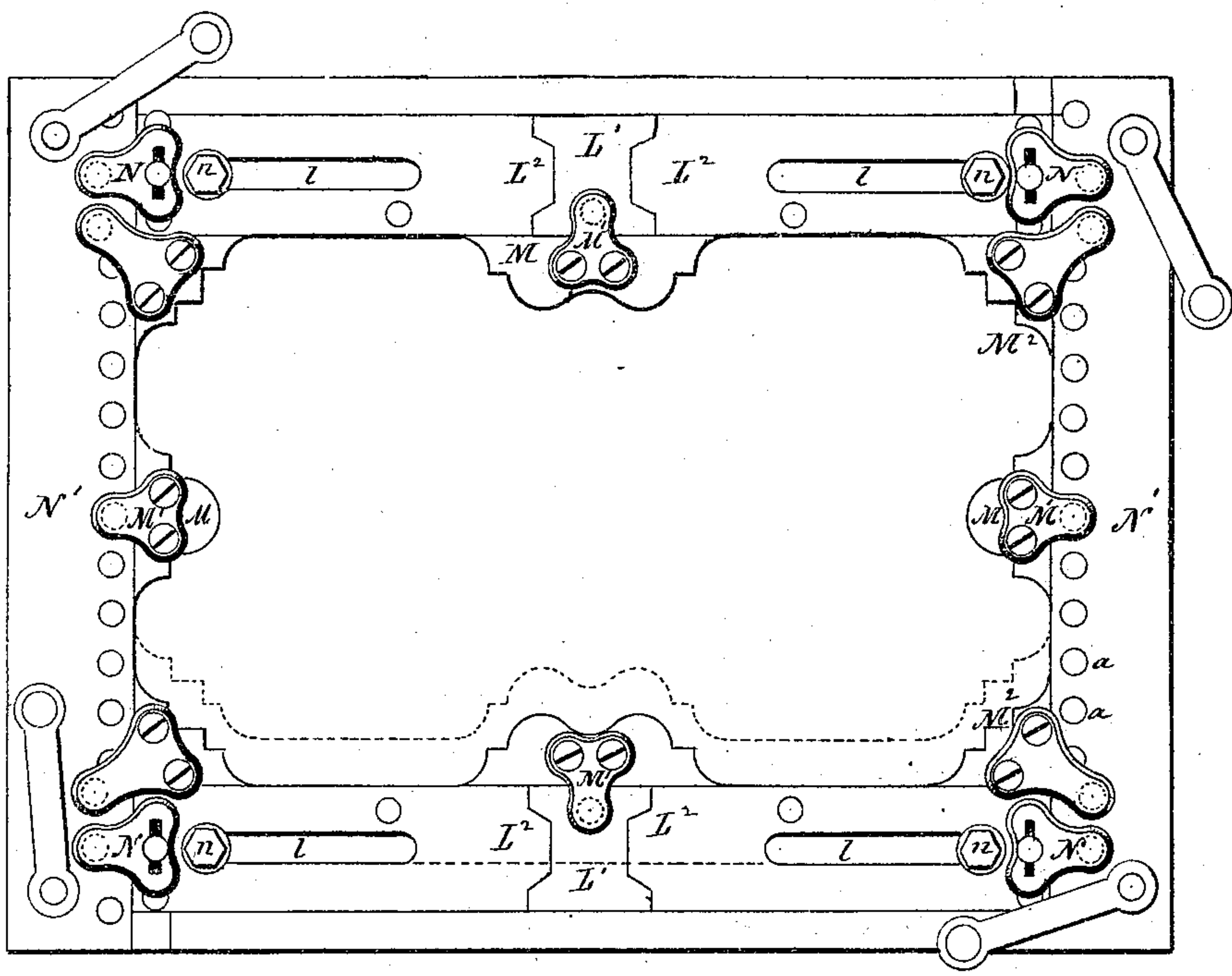


fig. 2.

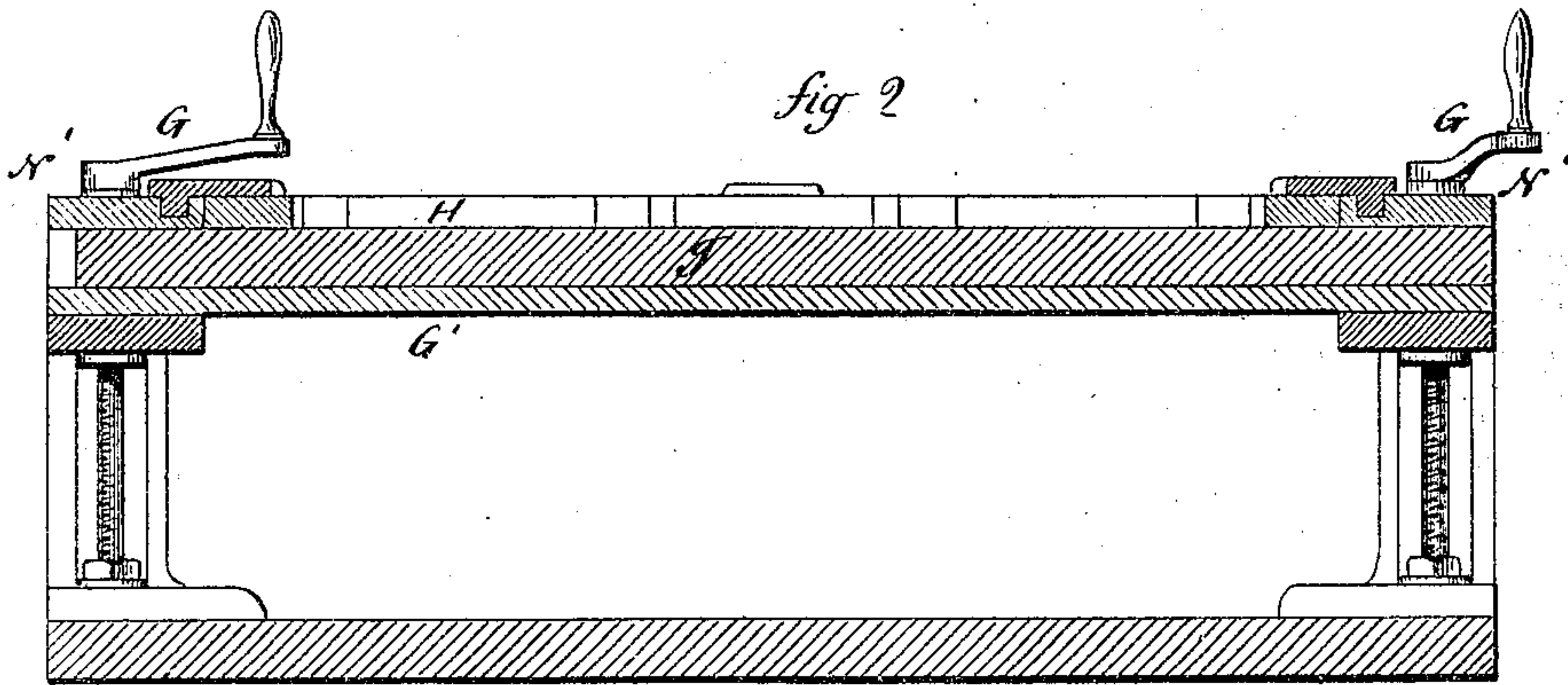


fig. 3.

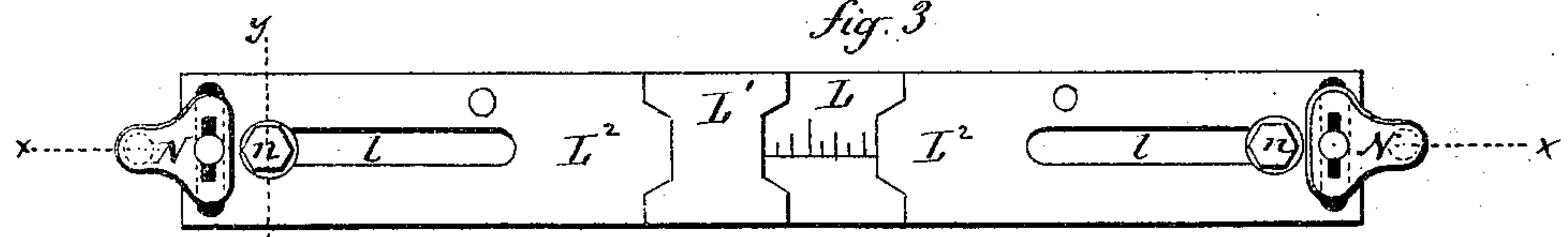


fig. 4.

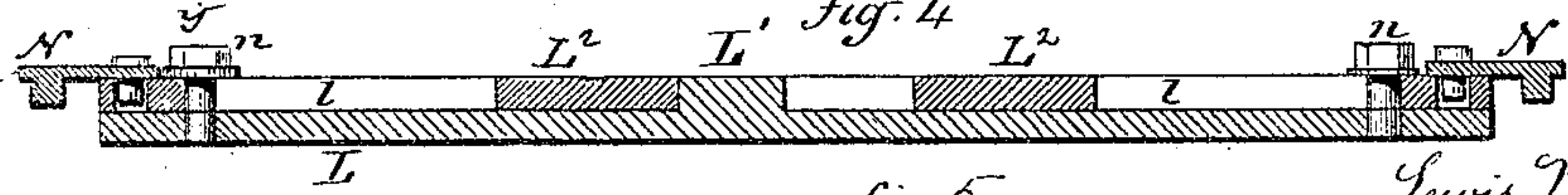
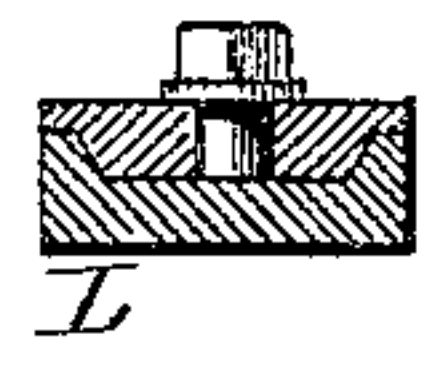


fig. 5.



Witnesses.
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LEWIS M. HILLS, OF NEW HAVEN, CONNECTICUT.

IMPROVEMENT IN TEMPLETS FOR WOOD-PANELING MACHINES.

Specification forming part of Letters Patent No. 150,039, dated April 21, 1874; application filed March 13, 1874.

To all whom it may concern:

Be it known that I, LEWIS M. HILLS, of New Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in Templet for Wood-Paneling Machines; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent in—

Figure 1 a plan or top view; Fig. 2, a longitudinal section as supported upon the machine-platen, and in Figs. 3, 4, and 5, detached views.

This invention relates to an improvement in the guide or form used upon wood-molding machines, and commonly called the templet, which serves as the pattern by which to run the tool.

To perform the work of paneling a former or templet is employed, and placed upon the wood to be cut, the edge of the templet being formed to indicate the path which shall be traversed by the cutter—that is, the templet forms a guide against which the workman moves the cutter, and, as the variety of forms required is very great, it becomes necessary that a single templet shall be adjustable to various forms to avoid an accumulation of forms and expense of manufacture.

The clamping device is shown in Fig. 2. Vertical screws, turned by means of cranks G, are set in the device, and on these a bar or plate, G', is arranged to be moved up and down, and so as to clamp the wood *g* to be wrought, and the templet or former H, firmly together. This holds the work and templet firmly upon the bed. The templet, as seen in Fig. 1, is formed from four sides, together making a frame, opposite sides, either two or the four, formed to be adjustable in length in the following manner: A bar, L, forms the base, and this is grooved longitudinally, as seen in Figs. 4 and 5, up to a central abut-

ment, L¹. Each side of this abutment a sliding bar, L², is placed, with a slot, *l*, through which a bolt, *n*, passes into the base, by which the bars are clamped together; therefore, when a longer bar is required, loose the bolts and draw the bars L² out to the desired length. For convenience of adjustment the base L is graduated, as seen in Fig. 3. At the end these bars are provided with an adjustable connection, N, by which they are attached to the ends N' of the templet; and, that the sides may be brought nearer together or set at different points, the ends N' are constructed with numerous perforations, *a*, into which the connections N hook. These ends N' are made stationary on the clamping device, and form, as it were, the upper jaw for clamping, as seen in Fig. 2. The inner edge of these bars or ends is made straight. Therefore, to cut irregular forms, detachable blocks M are constructed with connections M¹, by which they may be set into any of the perforations on the frame, the shape of the block being in accordance with the shape to be produced. Other blocks, M², are fitted for the angles. Thus it will be seen that with the same frame or templet a great variety of forms may be produced, by simply introducing different blocks, or the same blocks, in different positions, and the same templet answers for a great variety of sizes.

I am aware of the invention of Nicholas Jenkins, July 12, 1870, No. 105,216, for templet for paneling-machine, and do not wish to be understood as claiming anything embraced therein.

I claim as my invention—

The herein-described adjustable templet for wood-molding machine, consisting of a frame, two sides of which are formed by a base, L, and bars L², movable or adjustable thereon in guides, substantially as specified.

LEWIS M. HILLS.

Witnesses:

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E. T. ALLEN.