

(Model.)

J. K. DUGDALE.

FOLDING BENCH.

No. 245,613.

Patented Aug. 16, 1881.

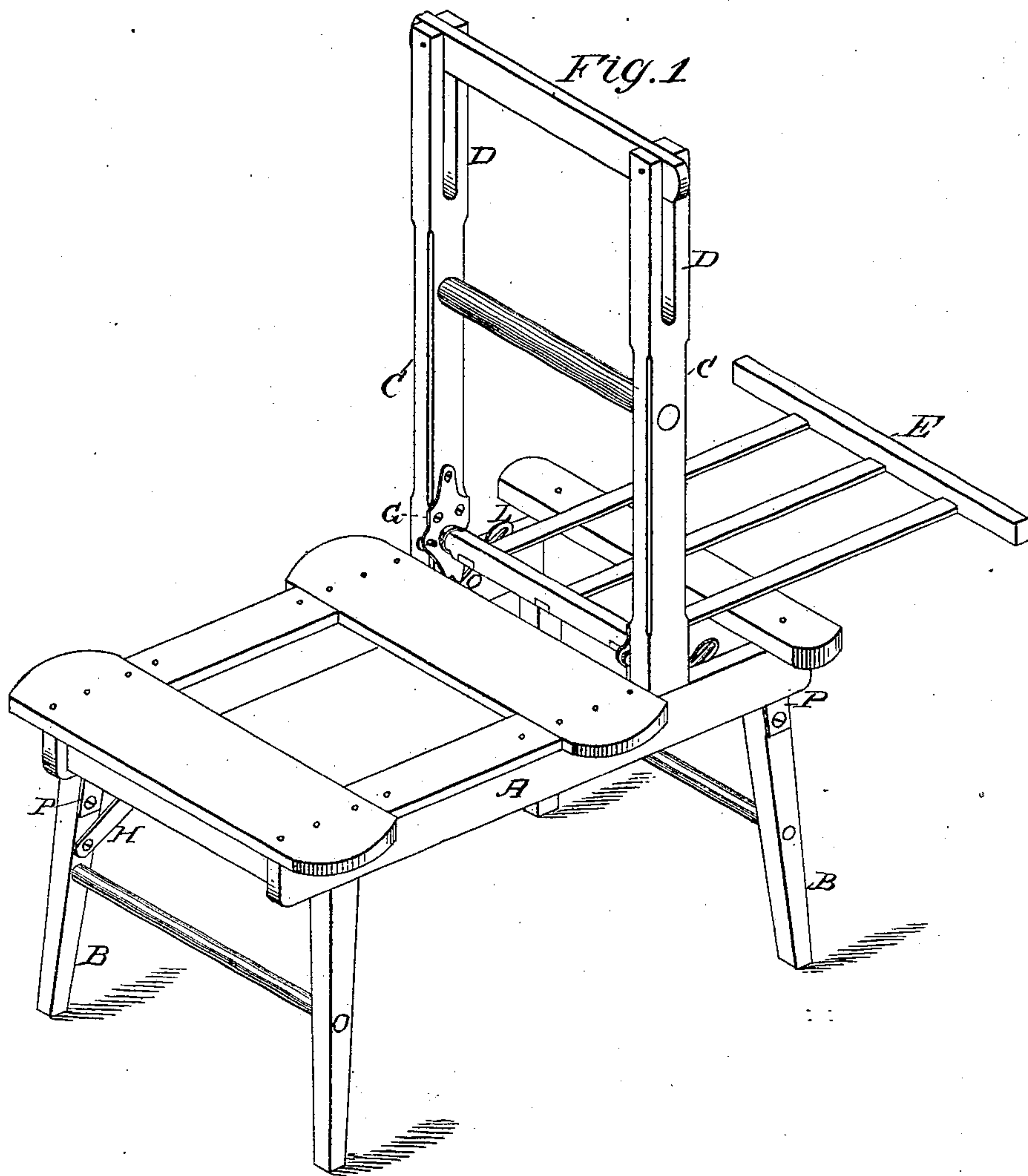
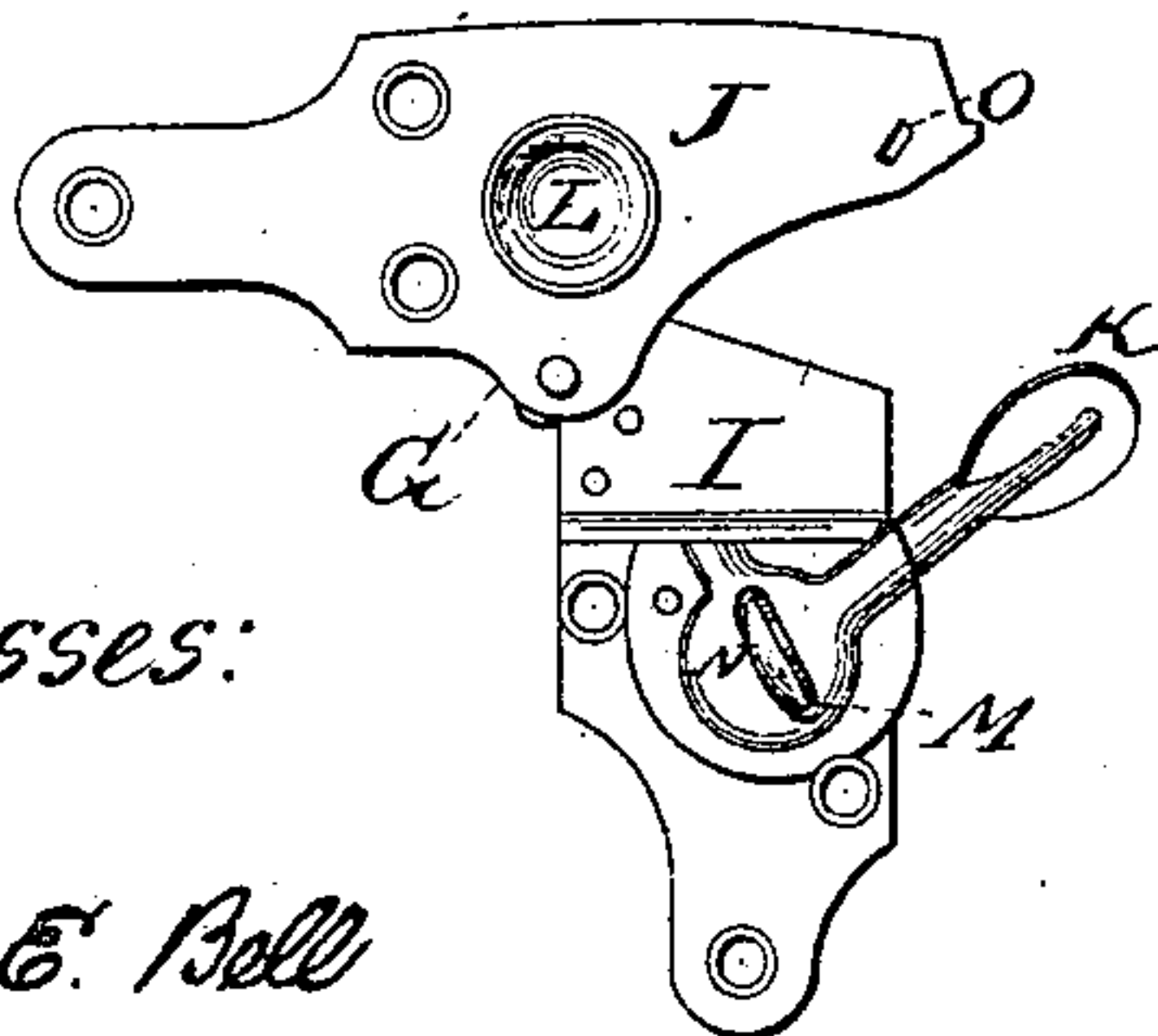


Fig. 2

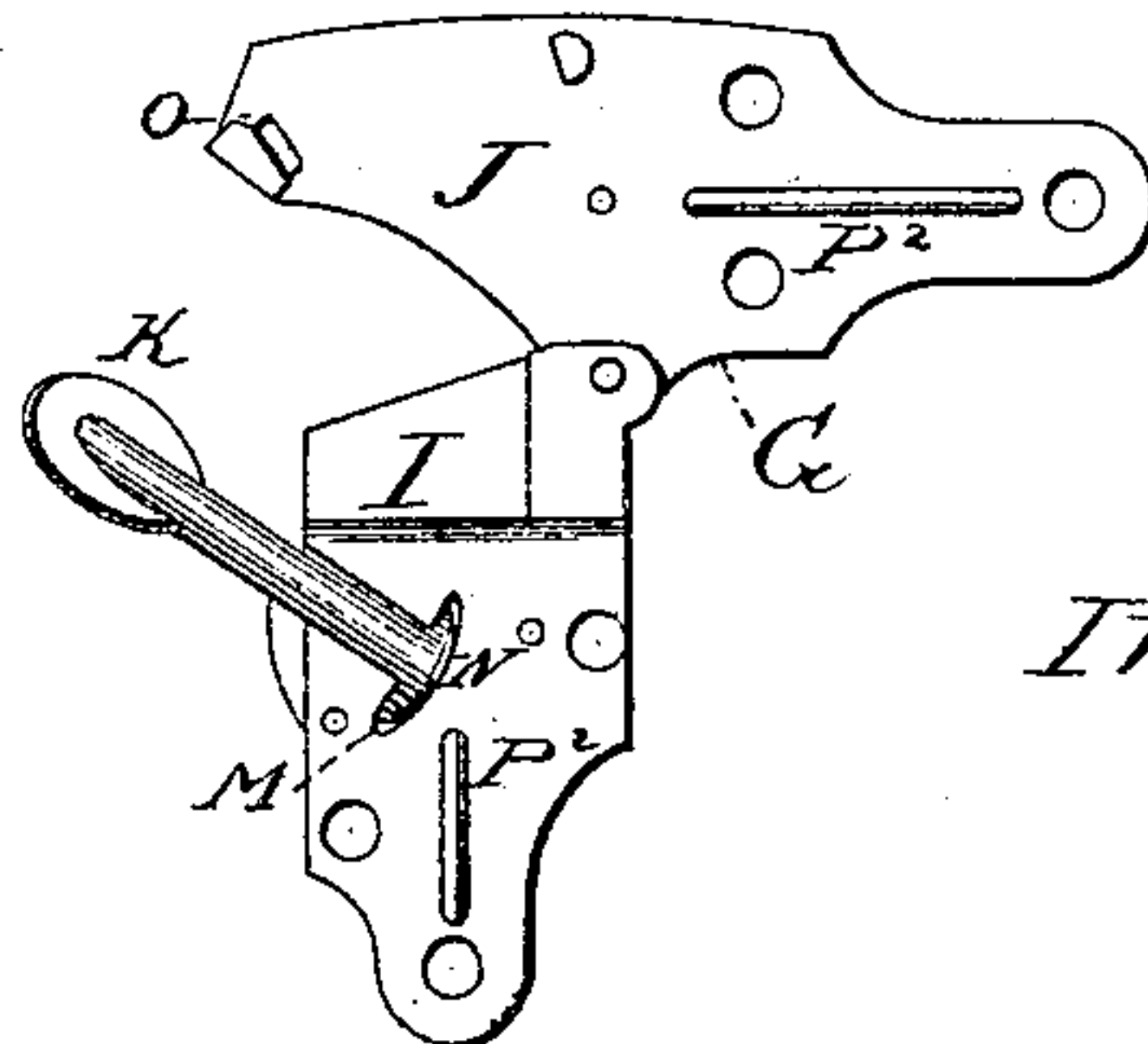


Witnesses:

William E. Bell

John Howard

Fig. 3



Inventor:

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UNITED STATES PATENT OFFICE.

JAMES K. DUGDALE, OF RICHMOND, INDIANA.

FOLDING BENCH.

SPECIFICATION forming part of Letters Patent No. 245,613, dated August 16, 1881.

Application filed August 23, 1880. (Model.)

To all whom it may concern:

Be it known that I, JAMES K. DUGDALE, a citizen of the United States, residing at Richmond, in the county of Wayne and State of Indiana, have invented a new and useful Improvement in Hinges for Folding Benches, Stands, and Tables, of which the following is a specification.

My improvement consists in the manner of locking them when shut, thereby holding the standards and legs of benches or tables in place. I attain these objects by the mechanism illustrated in the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts.

Figure 1 is a perspective view of a wash-bench with the parts extended, showing the application of said hinge. Figs. 2 and 3 are views of the hinge.

A, Fig. 1, is the frame of a bench; B, the legs, hinged to frame A at P. C C are standards for supporting wringer-rolls. These standards are attached to bench, also represented in Fig. 1, in connection with a rack-frame, A, by the hinge G. D D are slots in standards for wringer-rolls to work in. E is a rack folding against said standards C C. A cross-bar of the rack turns in or with sockets L L, that are attached to said hinge, making an independent working-hinge for said rack.

In Figs. 2 and 3, letter G represents the hinge above mentioned. I J are the plates or wings of the hinge. These plates are provided with an orifice, M, in one plate, in which a key, N, is fitted, which key is turned or pressed into a recess or against a notch, O, in the other plate by a handle, K, which locks them to-

gether when shut, so that when the standards are raised to their place the hinge is shut and fastened by turning or pressing the key into the receptacle made for it. These plates are also provided with cleats, P², which fit in grooves in the wood, making it almost impossible for the plates to work loose from the wood, which they would be liable to do if only fastened to the wood by screws. L L are sockets attached to the plates for the purpose of serving as separate hinges to the rack, or to any other addition that may be made to the bench, also represented in Fig. 1 in connection with a rack.

The hinge, as shown in the drawings, is in a suitable form to attach to standards upon which there is much strain, being locked at a greater distance from the working-joint than is necessary for those to be that are used on the legs, where there is but little strain.

The form of the plates or wings may be varied to suit the position they are to be placed in. A lug is attached to one plate, which rests against the other plate to prevent the legs or standards from opening too far.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The lock-hinge G, composed of plates I and J, provided with orifice M, notch O, and key N, as described and set forth.

2. Plates I and J, provided with socket L, in combination with key N and its receptacles M and O, as and for the purpose set forth.

JAMES K. DUGDALE.

Witnesses:

WILLIAM E. BELL,
JOHN HOWARTH.