

(No Model.)

J. BURT.
FURNITURE JOINT.

No. 365,362.

Patented June 28, 1887.

Fig-3-

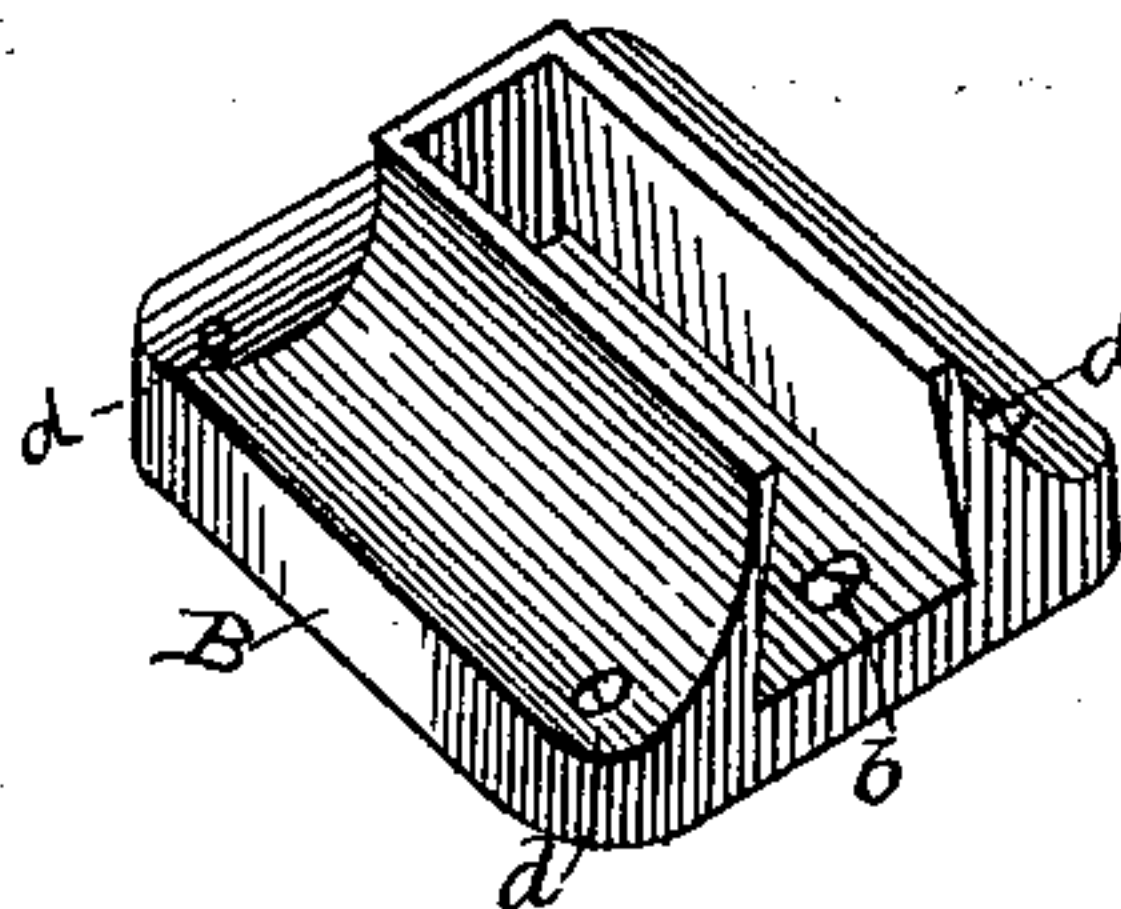


Fig-1-

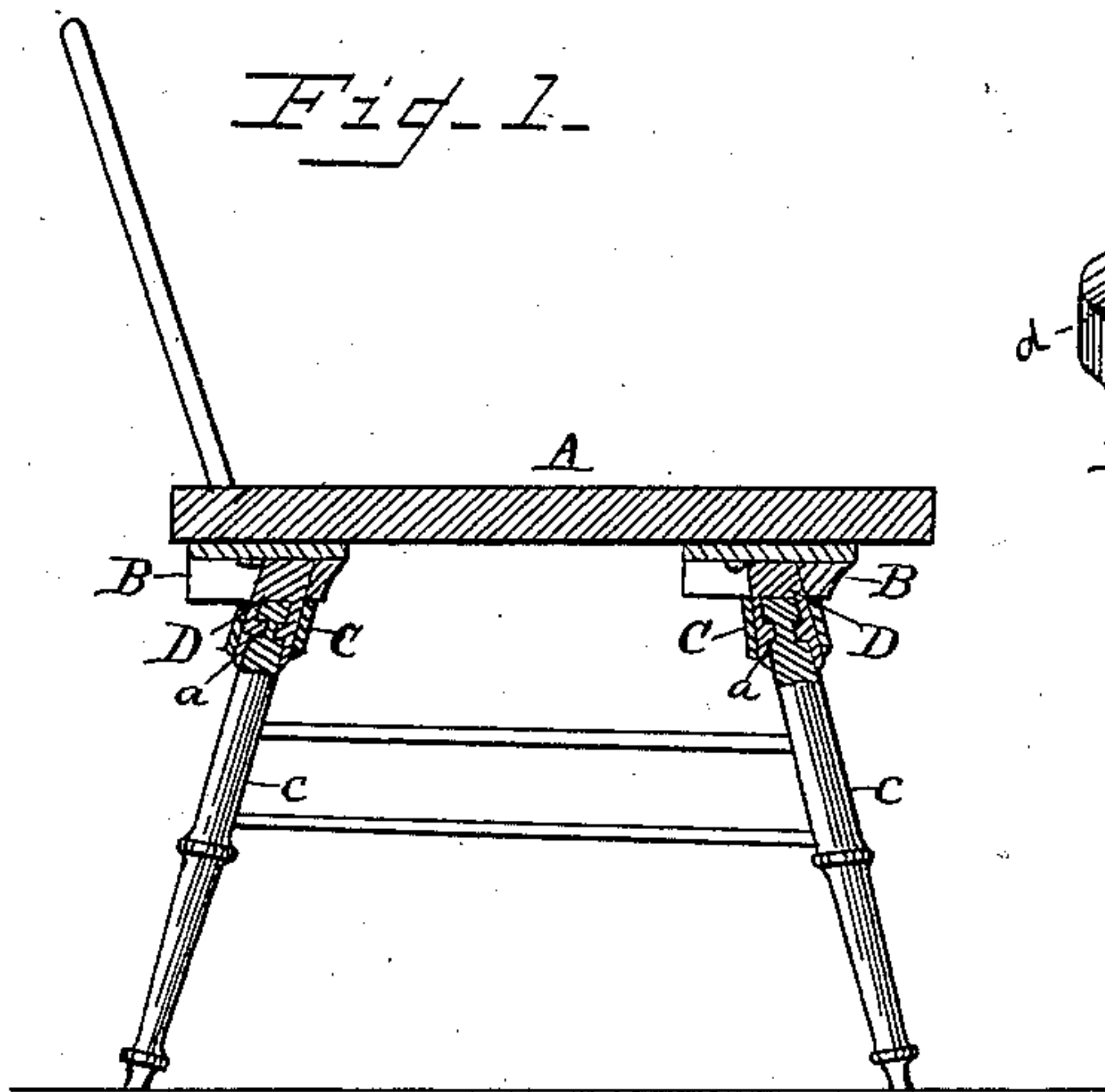


Fig-2-

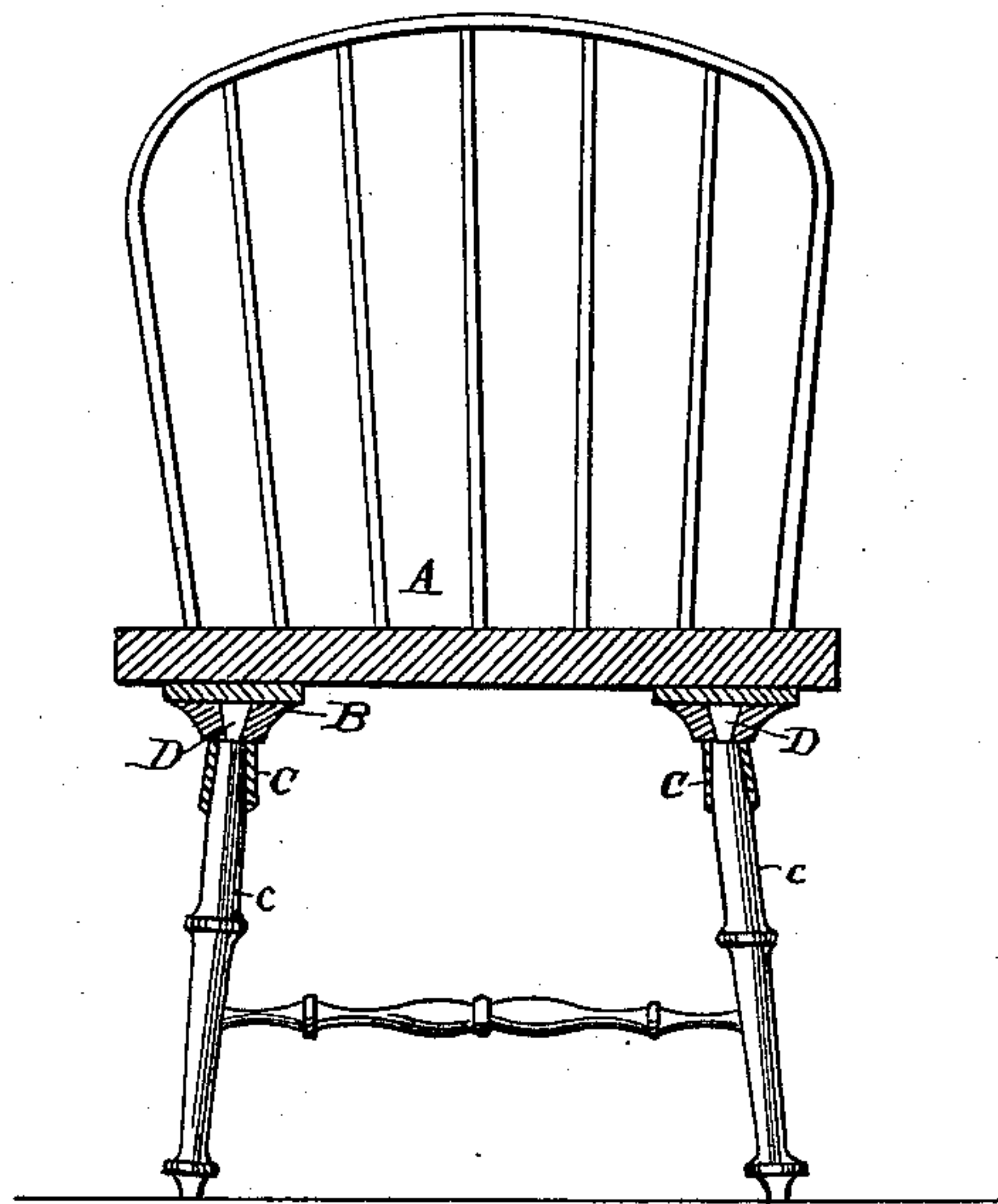
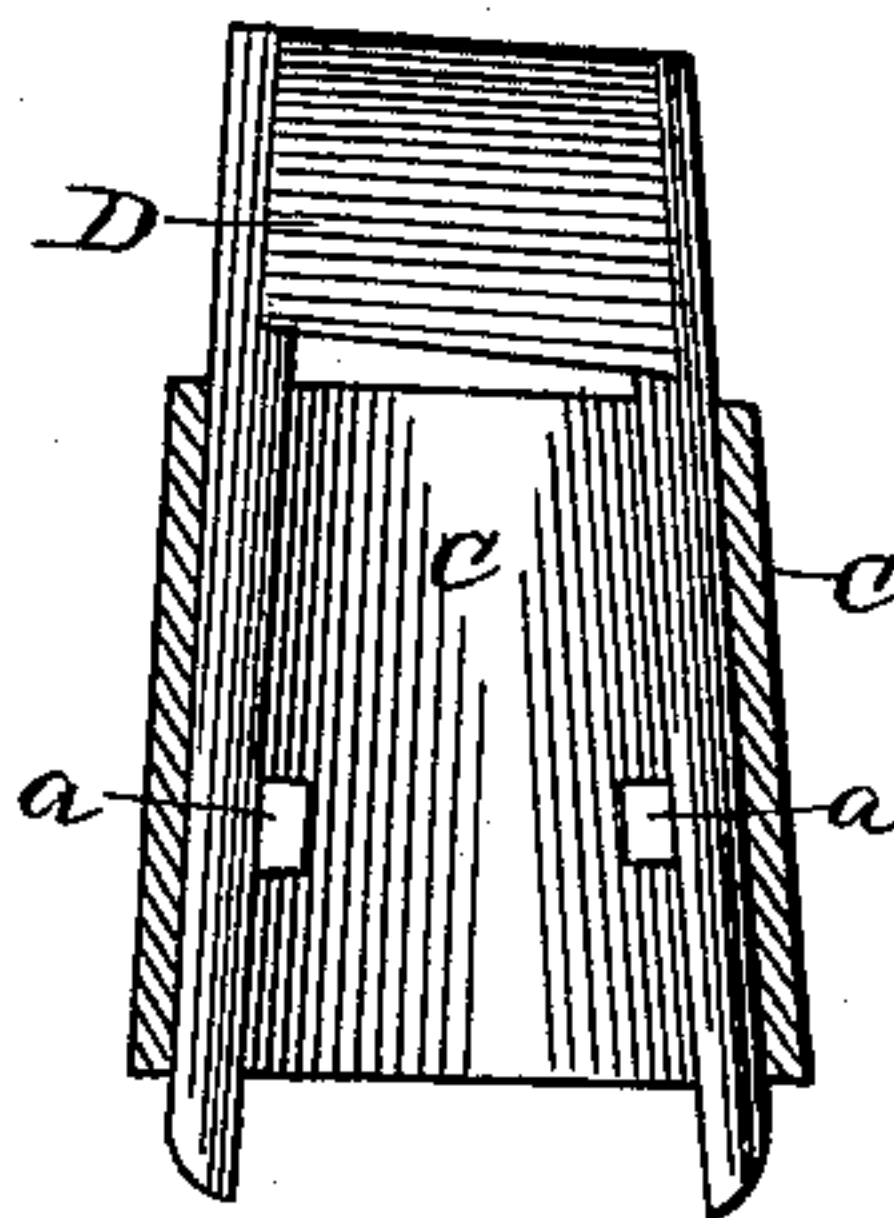


Fig-4-



WITNESSES

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UNITED STATES PATENT OFFICE.

JOHN BURT, OF IRON RIVER, MICHIGAN.

FURNITURE-JOINT.

SPECIFICATION forming part of Letters Patent No. 365,362, dated June 28, 1887.

Application filed April 21, 1887. Serial No. 235,646. (No model.)

To all whom it may concern:

Be it known that I, JOHN BURT, a citizen of the United States, residing at Iron River, in the county of Iron and State of Michigan, have invented certain new and useful Improvements in Furniture-Joints; and I do hereby 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.

My invention relates to furniture-joints for attaching the legs to articles of furniture. It is adapted to be applied to chairs, sofas, pianos, desks, tables, or like articles; and it is my object to provide a joint which will secure a firm attachment for the leg without mutilating the chair-seat or other article.

It is also my object to provide a joint which will admit of the ready removal of the leg, so that in heavy articles—such as pianos and heavy upholstered chairs, sofas, &c.—the legs may be detached to economize space in shipping.

Besides its advantages as a furniture-joint, my invention is of especial value in the construction of chairs, and in the accompanying drawings, forming part of this specification, I preferably show the same as applied in joining the chair-leg to the seat.

Referring to the drawings, Figure 1 is a side elevation, partly in section, showing the application of my invention in joining the leg to the chair-seat. Fig. 2 is a rear elevation, partly in section. Fig. 3 is a perspective view of the leg-socket holder or rest, and Fig. 4 is a sectional view of the bifurcated leg-socket with an annular clamp shown partly in section.

A denotes a chair-seat, and *c c* chair-legs.

B is a raised dovetailed rest or holder for the leg-socket.

D is a bifurcated leg-socket with an elongated dovetailed head, the prongs being provided with teeth *a a*.

d d d are screws to secure the socket-holder to the chair-seat.

b is a set-screw.

The socket-rest B and annular clamp C may be made of cast-iron, and the leg-socket D of malleable cast-iron. The socket-rest B, as shown in Fig. 3, has raised receding side walls

and a perpendicular end wall, and it is secured to the under side of a chair-seat by screws. The leg-socket D, as shown in Fig. 4, is bifurcated, the forks being curvilinear to conform to the chair-leg, and, being of thin malleable iron, admit of bending to clamp the chair-leg. The forks are spread gradually from the head of the socket downwardly, and their inner walls are provided with teeth *a a*. The head of the leg-socket is elongated and dovetailed to fit the socket-rest B, as shown in Figs. 1 and 2. The annular clamp C is a band gradually increasing in diameter downwardly, as shown in Fig. 4, and rides upon the outer walls of the leg-socket D, serving to clamp the prongs or forks of the same to the chair-leg by being forced down over the prongs.

My invention is applied as follows: The bifurcated socket D embraces the head of the chair-leg, which is first slotted to receive the teeth *a a*. The annular clamp *c* is then placed over the head of the socket and forced down on the prongs or forks until it clamps them tightly upon the leg, the teeth *a a* taking hold at the same time. The socket, with the leg attached, is then inserted in the dovetailed socket-rest B. The set-screw *b* is then placed in position to hold the leg-socket D in place and prevent it working out the open end of the socket-rest, the opposite end of which is closed, as shown in Fig. 3.

It is evident that I secure the leg to the chair without cutting holes in the seat for the legs, thereby greatly adding to the strength of the seat where the strain is greatest. Moreover, I distribute the pressure over a greater surface of the chair-seat, avoiding the tendency to split the same. As a detachable joint for heavy articles of furniture the same general construction is followed, and in order to detach the leg it is only necessary to remove the set-screw.

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

1. In a furniture-joint for attaching legs, the bifurcated socket D and annular clamp C, in combination with a furniture leg.

2. In a furniture-joint, the combination of the socket-rest B, bifurcated socket D, teeth *a a*, and the annular clamp C, substantially as shown and described.

3. The herein-described furniture-joint, consisting of the raised socket-rest, bifurcated leg-socket, and the annular clamp and set-screw.

4. A furniture-joint for detachably connecting legs to articles of furniture, consisting of a furcated leg-socket fastened to the leg by an annular clamp, said socket having an elongated head detachably connected to a raised

socket-rest secured to the body, substantially as shown and described.

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

JOHN BURT.

Witnesses:

ALEX S. McNAUGHTON,
ALEXR. McCULLOCH.