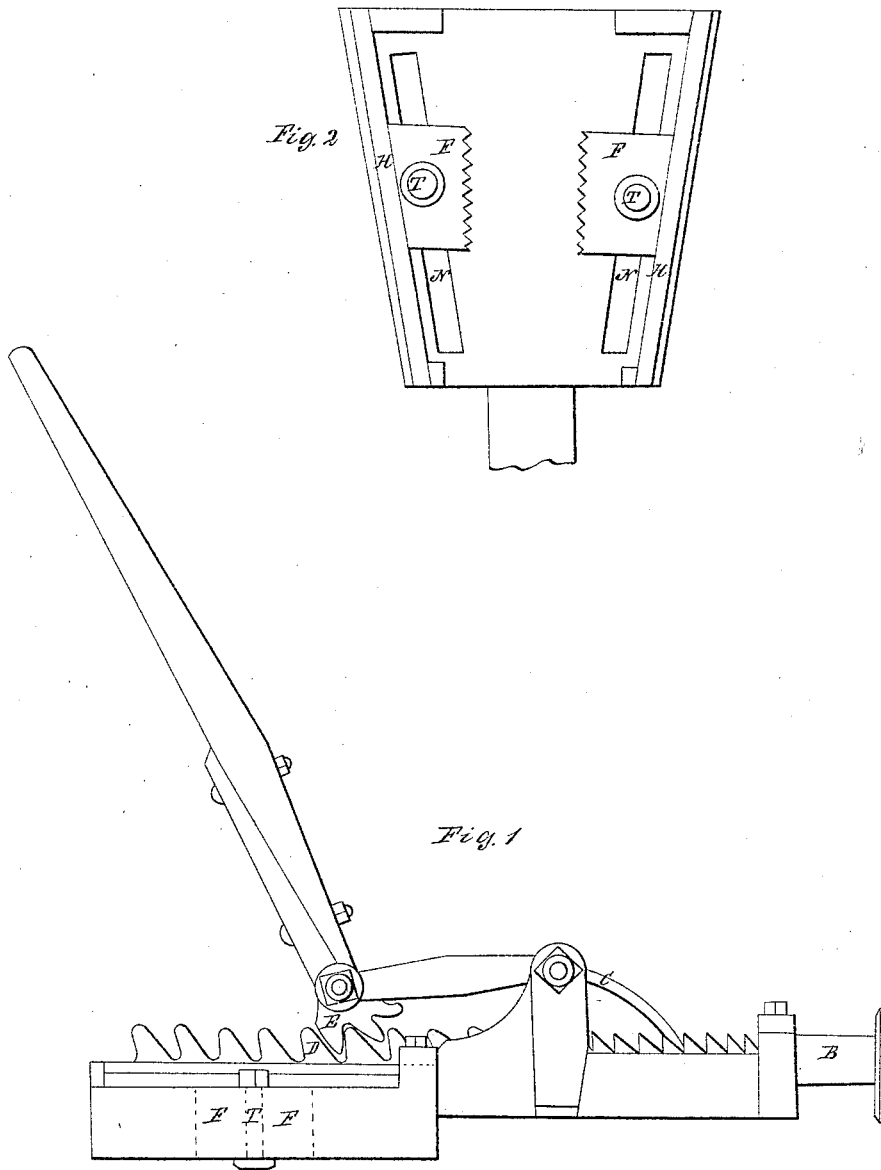


J. L. Bryant,
Wood Clamp.

N^o 49,852.

Patented Sep. 12, 1885.



Witnesses;
James V. Beyer
Edw. Ewing

Inventor;
John L. Bryant

UNITED STATES PATENT OFFICE.

JOHN L. BRYANT, OF LOGANSPORT, INDIANA.

IMPROVEMENT IN FLOOR-CLAMPS.

Specification forming part of Letters Patent No. **49,852**, dated September 12, 1865.

To all whom it may concern:

Be it known that I, JOHN L. BRYANT, of the city of Logansport, county of Cass, and State of Indiana, have invented a new and useful Power-Clamp for Clamping Joints in Laying Floors or in Keying Door-Sash, &c.; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a side elevation; Fig. 2, a bottom plan.

The nature of my invention consists in so constructing a power-clamp by means of an inclined plane or planes and lugs or jaws that it can be readily attached to joists in laying floors or to trestles (or horses) in shop-work, to be used for any purpose for which workers in wood use clamps to insure good and closely-fitting joints, and for any other purpose wherein a clamp that can be readily attached or detached may be applied.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct my power-clamp in the form as shown in Fig. 1, having ratchet B, pinion E,

pawl C, and lever A. In order to attach it to joist, trestle, or horse, I provide jaws or lugs F F, Fig. 2, held in position by bolts or rivets T T, Figs. 1 and 2, which pass through the slot N, Fig. 2, or other fastenings in such manner that the jaws, lugs, or other fastenings can be adjusted in the inclined flanges H H, Fig. 2, to fit tightly on any thickness of timber, thus forming a complete and permanent clutch which may be readily detached by the blow of a hammer on the extreme end opposite the vertex of the inclined plane.

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

1. The described arrangement of the jaws or lugs F F, inclined plane or planes H H, or their equivalent, to form a clutch, for the purpose described.

2. The application of the lever A, ratchet B B, pinion E, and pawl C, in combination with the clutch, for the purposes set forth in the specification.

JOHN L. BRYANT.

Witnesses:

S. T. McCONNELL,
J. FARQUHAR.