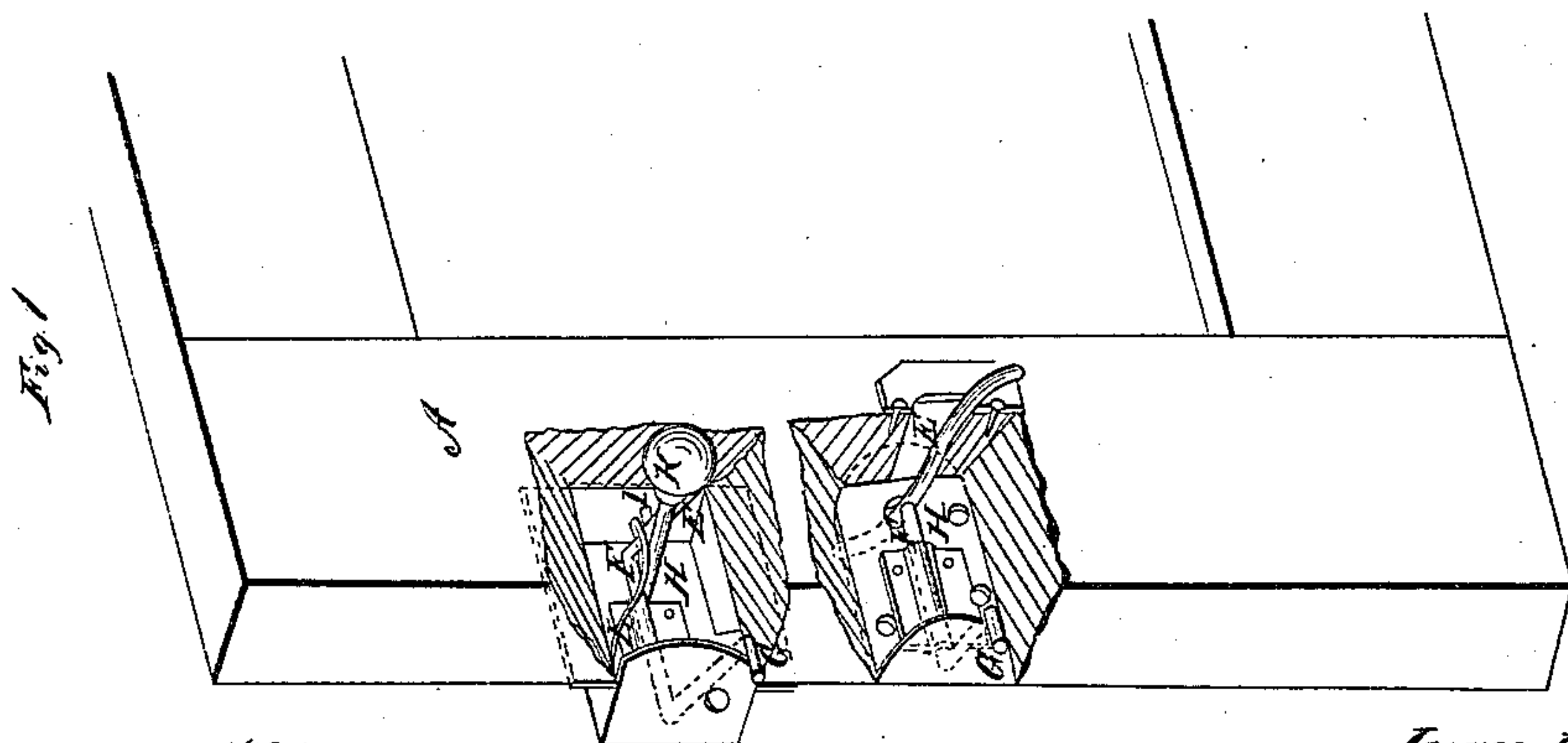
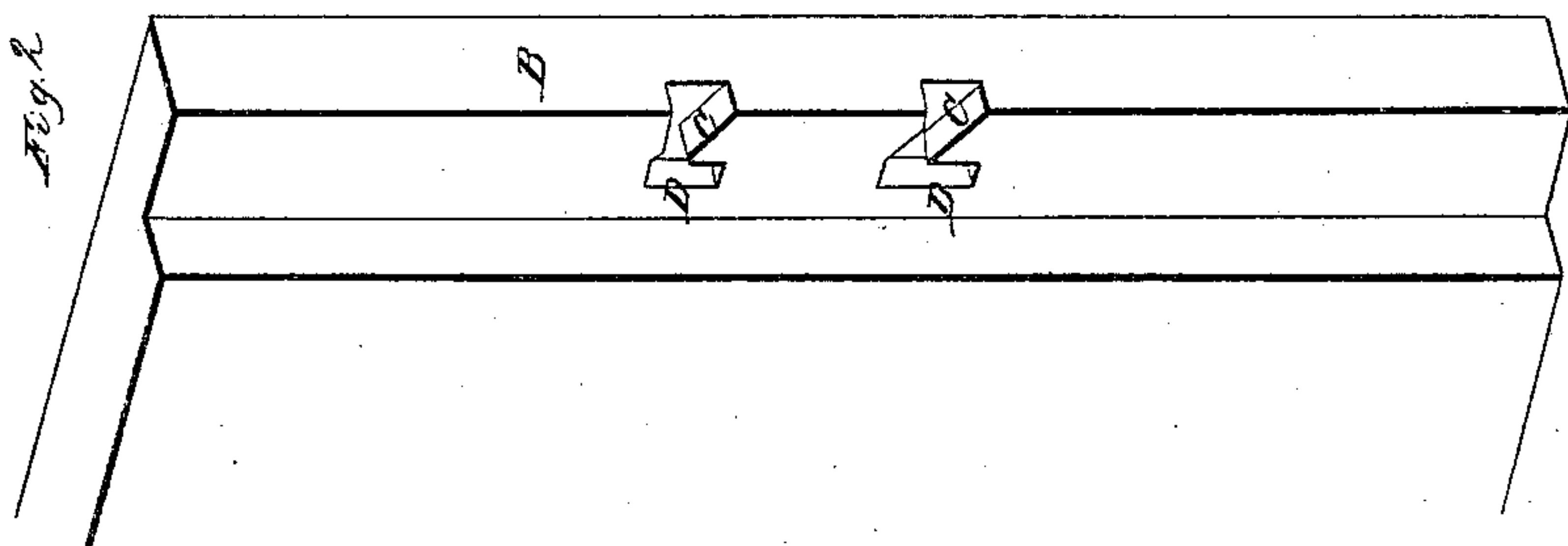
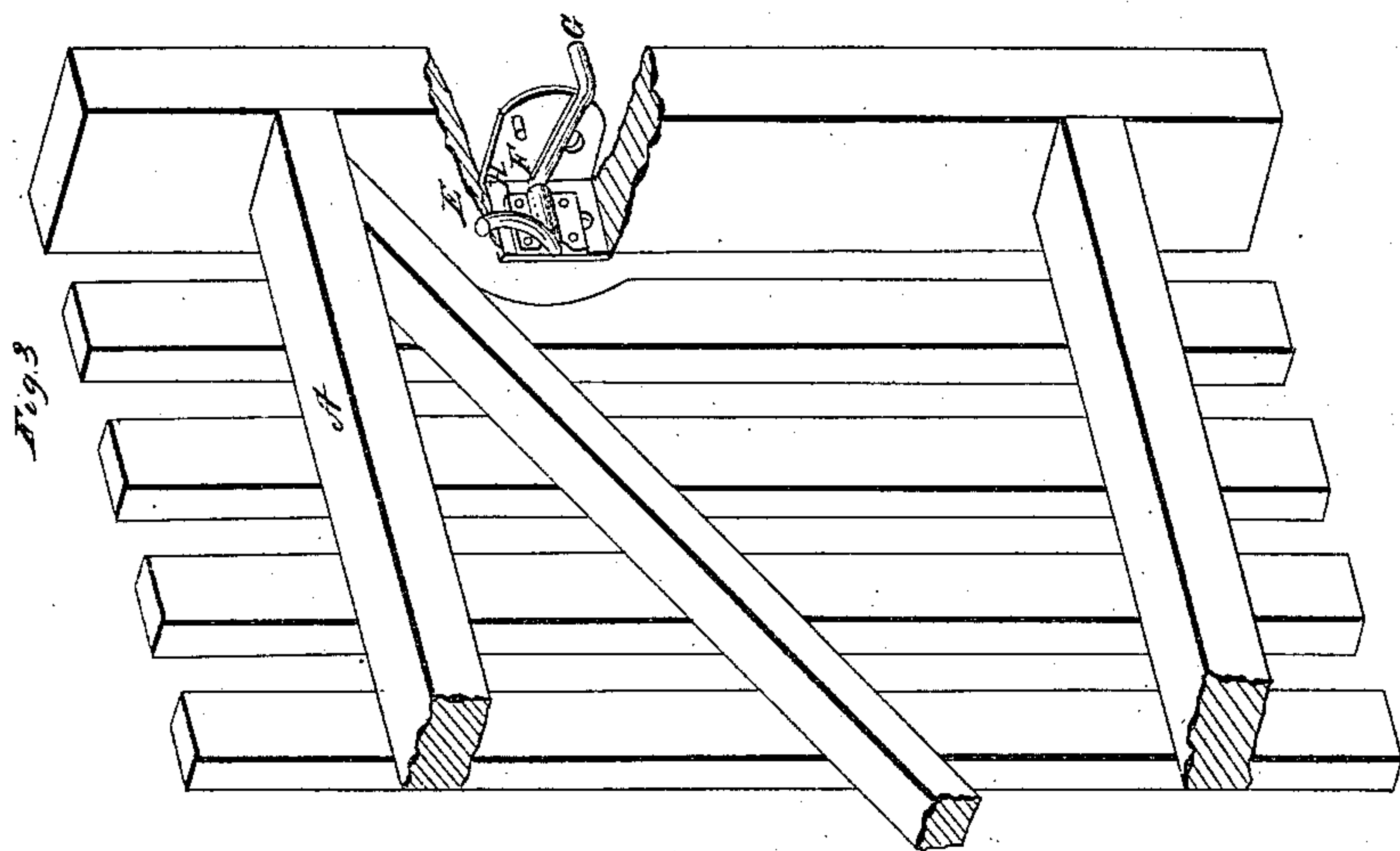


W. Broomhall,

Gate Latch.

N^o 61,604.

Patented Jan. 29, 1867.



Witnesses
Edward H. Knight
John C. Vernon

Inventor
Webb Broomhall
per Munroe & Co. Attorneys

United States Patent Office.

WEBB BROOMHALL, OF CIRCLEVILLE, OHIO.

Letters Patent No. 61,604, dated January 29, 1867.

IMPROVED DOOR AND GATE LATCH.

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, WEBB BROOMHALL, of Circleville, in the county of Pickaway, and State of Ohio, have invented a new and useful Door and Gate Latch; and I do hereby declare the following to be a full, clear, and exact description of the same, sufficient to enable one skilled in the art to which the invention appertains to make use of it, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my latch in the forms to operate by knob or by lever.

Figure 2 is the post or jamb, with the gains or mortises for the reception of the latch.

Figure 3 shows a gate with latch attached.

The latch consists of a rod, with the middle portion journaled in a bearing, and with the ends bent in different directions, one end forming a catch, and the other a handle. The ends may each be so bent as by gravity to assist in maintaining the catch in the notch of the gate or jamb, or a spring may be used therefor, and the manipulation may be by a secondary device, such as a knob and spurred spindle.

In the drawings, A represents the gate or door, as the case may be, and B the post or jamb. C is the incline, up which the catch slips as the gate is closed; and D is the notch, which retains the catch until it is lifted out. E F G is a bent rod, which is handle and latch combined. Its middle portion, F, has its bearing upon a plate, H, which is secured in any suitable manner to the gate. It may be a box of an ornamental character, or a simple plate. The portion E forms the handle, and may project on each side of the gate, as in the lower latch in fig. 1; or it may be operated by the spur I on the spindle of the knob K, as in the upper latch of fig. 1. In each case the preponderance of the handle and catch is such as to cause the catch to gravitate and maintain its position in the notch D until raised by the handle. A spring may be added. The latch in fig. 3 is substantially similar, but the ends are not bent in the same plane. This brings the handle in rather more convenient position to be grasped by the hand, thrust through the hand-hole in the gate.

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

A rod with its middle portion journaled, and the end bent to form a catch, with or without a secondary device to act upon the handle, substantially as described.

WEBB BROOMHALL.

Witnesses:

J. A. LUTZ,

S. F. CURTIS.