

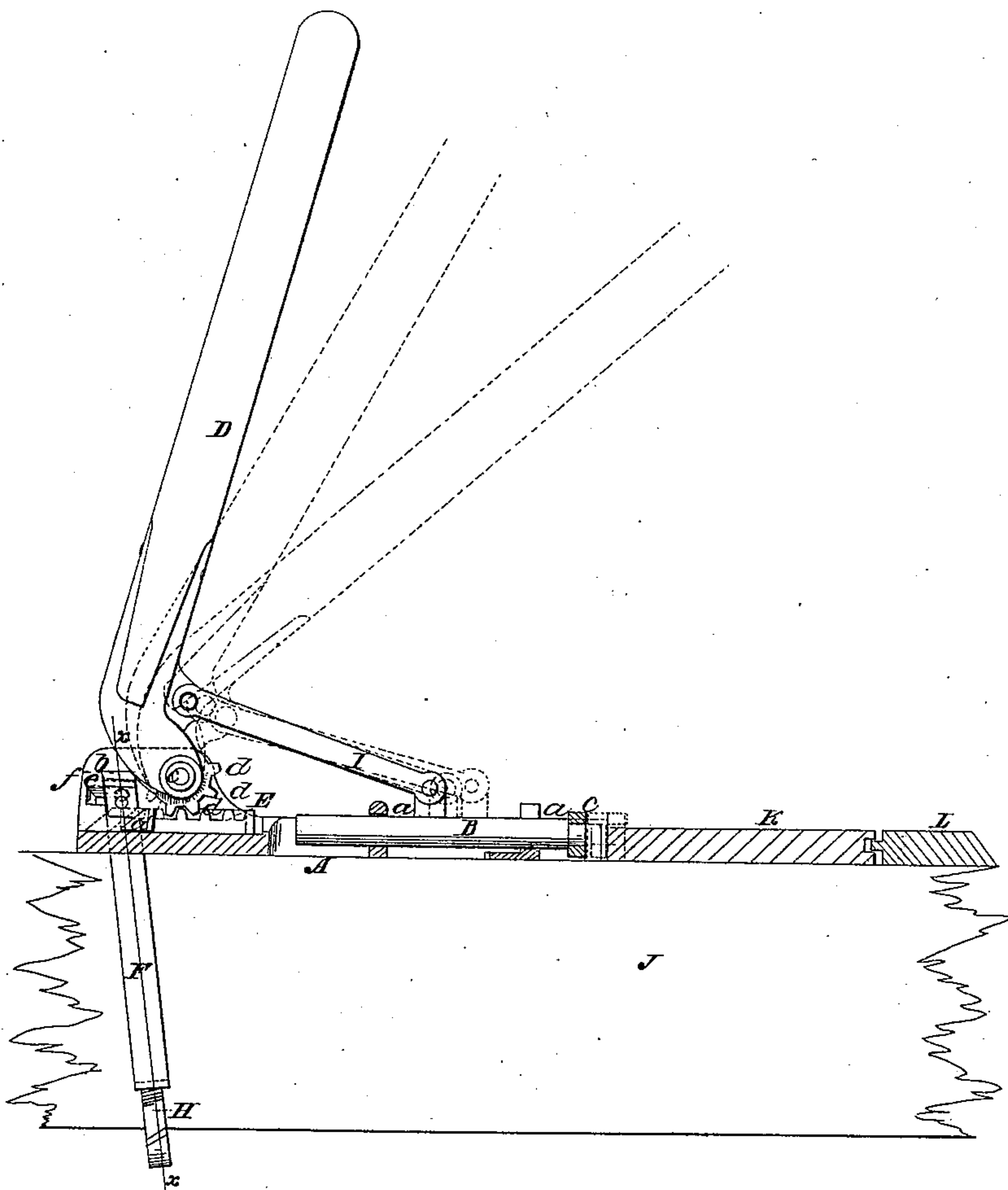
*H. W. Oliver,*

*Floor Clamp.*

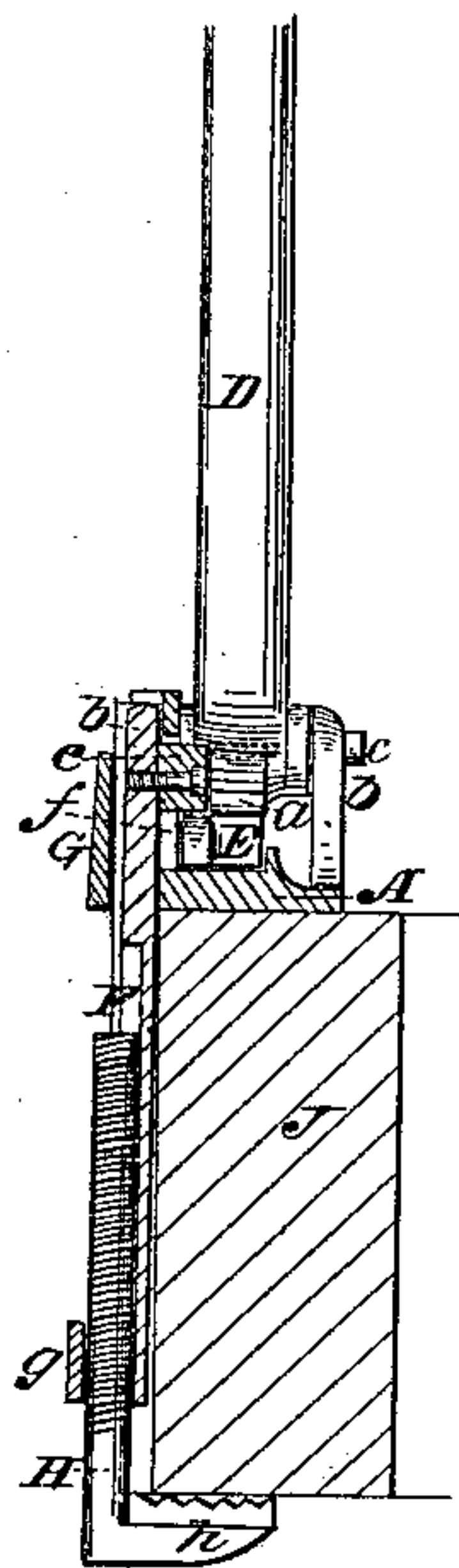
*N<sup>o</sup> 14,676.*

*Patented Apr. 15, 1856.*

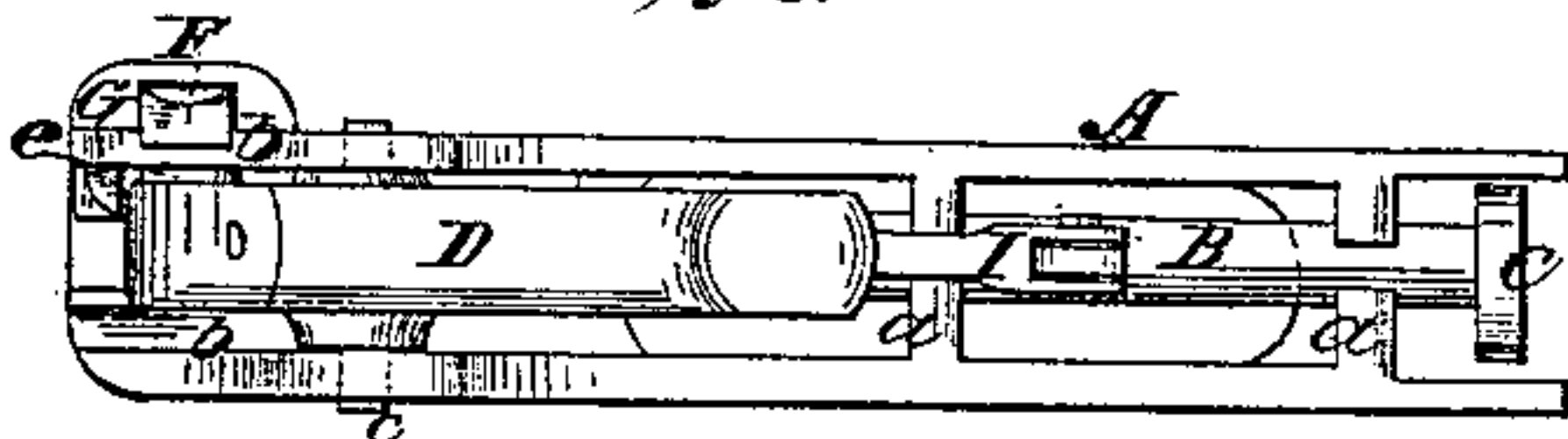
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



# UNITED STATES PATENT OFFICE.

H. W. OLIVER, OF WHITNEYVILLE, CONNECTICUT.

## FLOOR-CLAMP.

Specification of Letters Patent No. 14,676, dated April 15, 1856.

*To all whom it may concern:*

Be it known that I, H. W. OLIVER, of Whitneyville, in the county of New Haven and State of Connecticut, have invented a  
5 new and Improved Clamp for Laying Flooring; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this  
10 specification, in which—

Figure 1, is a longitudinal vertical section of my improvement, the plane of section being through the center. Fig. 2 is a section  
15 of the same, (x) (x) Fig. 1, showing the plane of section. Fig. 3, is a plan or top view of the same.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists in the employment  
20 or use of a sliding jaw and hook operated as will be hereinafter fully shown and described, whereby the implement is firmly secured to the beam and the board to be nailed pressed firmly up against the adjoining  
25 board previously nailed so as to form a close joint.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

30 A, represents a cast iron plate or bed, in which a rod B, is fitted longitudinally, said rod being allowed to slide freely in cross plates (a) in the plate or bed. To the outer end of the rod B, a jaw or head C, is attached. To one end of the plate or bed A,  
35 the end opposite to the end where the jaw or head C, works, there are attached two upright lips or ledges (b) (b) in which the fulcrum (c) of a lever D, works. The lower  
40 end of this lever below the fulcrum (c) is of circular form, the center being taken from the fulcrum (c), and teeth (d) are formed upon it, said teeth gearing into a rack E, which is fitted and works in a groove or be-  
45 tween proper ways in the end of the plate or bed A. The outer end of the rack E, is beveled, so as to form a wedge (a') as shown in Fig. 1.

50 F, represents a bar the upper end of which is fitted in a loop or socket G, at one side of the plate or bed A. The upper end

of the bar F, has a projection (e) attached to its inner side, said projection passing through a slot (f) in one of the lips or ledges (b) as shown clearly in Fig. 2. 55

H, is a rod which has a screw thread cut upon it, and this rod is fitted in a nut (g) at the lower end of the bar F. The lower end of the rod H, has a hook (h) upon it, shown clearly in Fig. 2. 60

The lever D, is connected to the rod B, by a bar I.

The implement is used as follows. The plate or bed A, is placed upon the beam or joist J, and the lever D, is elevated to a  
65 vertical position, or nearly so, as shown in black Fig. 1. The head or jaw C, is consequently drawn up to the end of the plate or bed A, and the rack E, will be drawn inward free from the projection (e) on the  
70 bar F. The rod H, is then screwed upward in the bar F, and the hook (h) fitted underneath the beam or joist J. The lever D, is then turned over in the position shown in red Fig. 1, and the jaw or head C, will be  
75 forced outward against the board K, which board will be pressed up firmly against the board L, previously nailed to the beam or joist, forming a close joint. As the lever D, is moved in the position indicated in red  
80 Fig. 1, the rack E, will be forced outward, and the beveled end (a') of the rack will pass under the projection (e) and the bar F, and rod H will be raised a certain distance corresponding with the thickness of  
85 the rack, and the hook (h) will be bound firmly against the under side of the beam or joist, and the plate or bed A, secured firmly upon the beam or joist.

Having thus described my invention, what  
90 I claim as new and desire to secure by Letters Patent, is—

The sliding jaw or head C, and the hook (h) attached or fitted to the plate or bed A, and operated by the lever D, and rack E,  
95 substantially as described for the purpose set forth.

H. W. OLIVER.

Witnesses:

CHARLES IVES,  
FLORENCE THOMPSON.