M. V. Brigham,

Clamp.

No. 94,557. Patented Sept. 7. 1869.

Fig. 1.

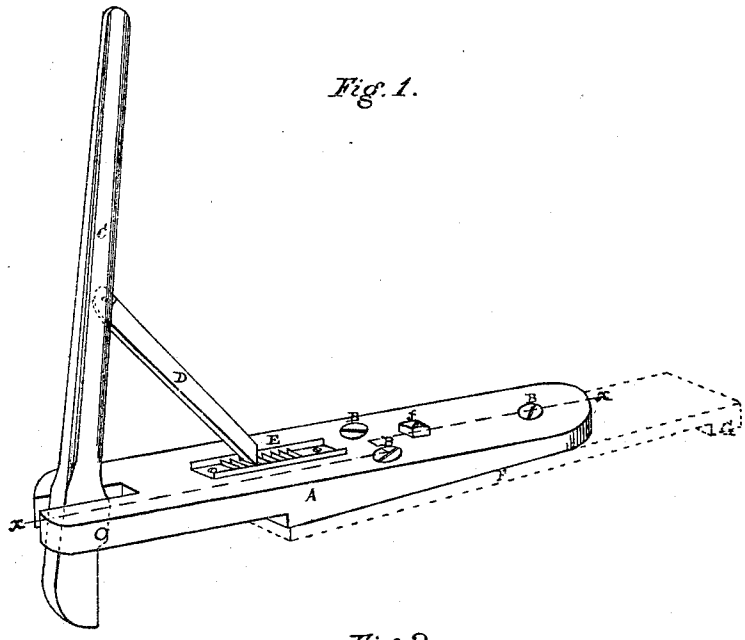


Fig. 2.

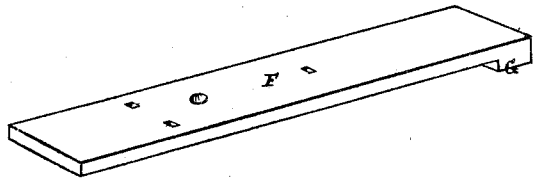
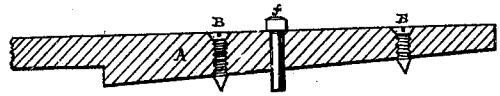


Fig. 3.



Witnesses;

Inventor;
M. V. Brigham,
by Pindell and Dyer,
Attys.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

United States Patent Office.

M. V. BRIGHAM, OF MANNSVILLE, NEW YORK.

Letters Patent No. 94,557, *dated September* 7, 1869.

IMPROVEMENT IN CLAMP.

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, M. V. BRIGHAM, of Mannsville, in the county of Jefferson, and in the State of New York, have invented certain new and useful Improvements in Carpenters' Clamps; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, making a part of this specification, in which—

Figure 1 is a perspective view of my improved clamp, as arranged for laying flooring;

Figure 2 shows an attachment for converting it into a door-clamp; and

Figure 3 is a broken vertical longitudinal section on the line *x x* of fig. 1.

Letters of like name and kind refer to like parts in each of the figures.

My invention is intended to furnish a convenient and cheap clamp for use in pressing together and clamping flooring, doors, &c., while the same are being secured; and

It consists in the peculiar construction and arrangement of the parts by means of which this result is accomplished, as is hereinafter fully set forth.

In the annexed drawing—

A represents a narrow strip of board, having near one end a number of screws, B B, the points of which project through the lower side of said board or bed-piece, and are pointed, as shown in fig. 3.

Pivoted within a vertical longitudinal slot, *a*, at the opposite end of said bed-piece, is a lever, C, the short end of which projects below the board.

Pivoted within the lever C, in a line with the bed-piece A, is one end of a pawl, D, the opposite end of which engages with a toothed rack, E, so as to hold said lever in position.

As constructed, the operation of this device will be readily understood. The lever C being thrown back, the bed-piece A is placed with the end containing the pointed screws upon the floor, and the opposite end projecting over the loose board, and said points pressed into the wood. Upon raising the lever, the loose board is now pressed firmly against the outside floor-board, and, by means of the pawl and rack, held in place until nailed or otherwise secured.

In order that this clamp may be rendered applicable to door-work, a strip, F, corresponding in width to the bed-piece A, is secured thereto by means of a pin, *f*, passing through both parts. The outer end of the strip F projects to the rear, and has secured transversely to its lower side, at the end, a cleat, G. When attached to the bed-piece, the whole is laid upon the door, so that the cleat G will bear against one side or edge of the work, and the lower end of the lever C upon the other, when, by raising said lever, the work will be compressed between its lower end and the cleat, and, by means of the pawl and rack firmly held and secured.

By providing a series of holes in the strip F for the pin *f*, the distance between the lever and cleat may be varied, so as to suit different kinds of work.

Having thus fully set forth the nature and merits of my invention,

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

The within-described clamp, consisting of the piece A, provided with the pointed screws B, and used either with or without the piece F, the lever C, the pawl D, and the rack E, all constructed and arranged to operate substantially as and for the purpose specified.

In testimony that I claim the foregoing, I have hereunto set my hand, this 29th day of July, 1869.

M. V. BRIGHAM.

Witnesses:

A. L. BAKER,

D. G. BUCKLEY.