

N. A. NILSON.
 TRIM CLAMP.
 APPLICATION FILED APR. 6, 1910.

967,227.

Patented Aug. 16, 1910.

Fig. 1.

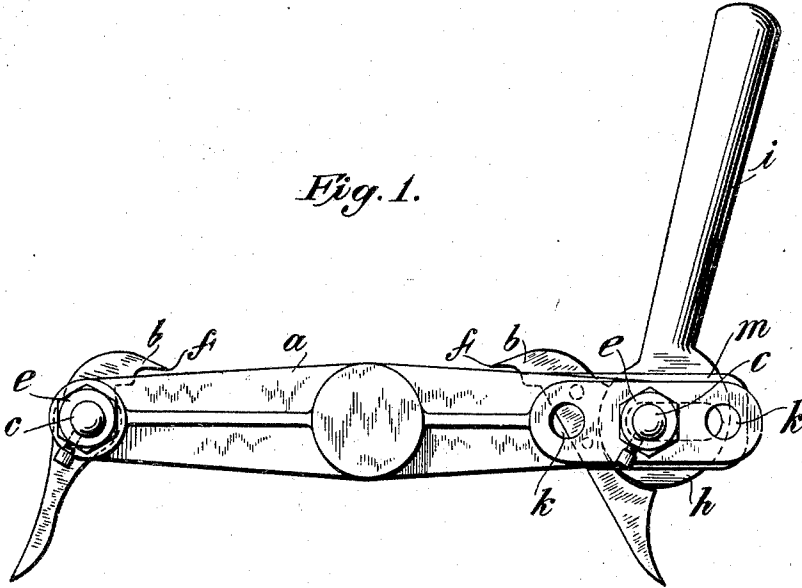


Fig. 2.

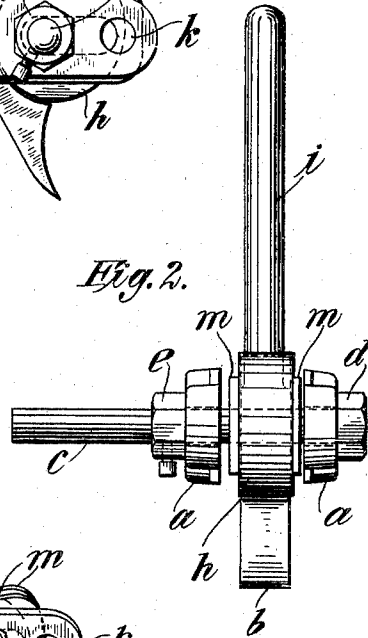
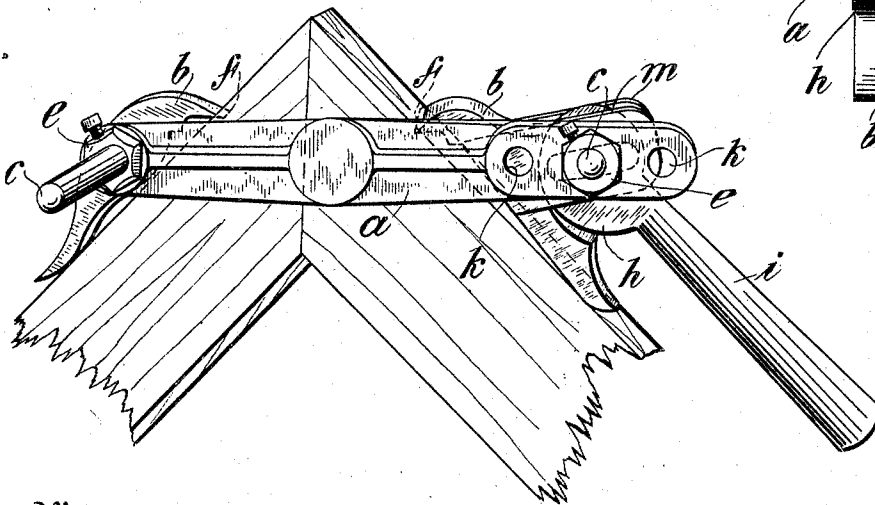


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

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TRIM-CLAMP.

967,227.

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To all whom it may concern:

Be it known that I, NILS AUGUST NILSON, a subject of the King of Sweden, and a resident of the borough of Manhattan of the city of New York, in the county and State of New York, have invented certain new and useful Improvements in Trim-Clamps, of which the following is a specification, reference being had to the accompanying drawings, forming a part hereof.

The object of the invention is to provide a tool by means of which the pieces forming the corners of window or door trim, or frames or the like may be conveniently pressed and held together after gluing, so that the corners shall be evenly and perfectly formed and the joints between the pieces concealed as much as possible.

A practical embodiment of the invention is shown in the accompanying drawings, in which,

Figure 1 is a view thereof in elevation. Fig. 2 is a similar view on a plane at right angles to that of Fig. 1, and Fig. 3 is a perspective view showing the tool applied to the corner-forming pieces of a section of trim.

The tool will be seen to have a pair of arms *a*, which are adapted to embrace the trim or rather any two corner-forming pieces thereof, the corner of the trim, in the application of the tool, projecting through the opening between the arms as shown in Fig. 3. At each end of the arms is a jaw *b*, pivoted on a pin *c* which extends through holes in the corresponding arm ends, each of said pins being provided with a head *d* and an adjustable collar *e* whereby the arms *a* may be separated by varying amounts in order to suit the thickness of any particular trim to which the tool is to be applied. The jaws themselves are provided with relatively sharp ends *f* in order to bite upon the trim and thus secure a firm grip thereon.

Associated with the jaw upon one end of the tool are means to advance the said jaw against the trim, and said means may comprise a cam *h* in the form of an eccentric pivoted on the corresponding pin *c*, the said cam being provided with a handle *i* by means of which the cam may be moved. In order

that the said jaw may be moved by the cam, it is provided with two attaching plates *m*, one on each side, and said plates have elongated slots which the corresponding pin *c* passes through thereby supporting the jaw. These plates preferably embrace the cam *h*, as shown.

In order to adjust the distance between the jaws, there may be a plurality of pairs of holes in the ends of the arms *a*, as *k*, whereby the pins *c*, may be set at different distances with respect to each other.

The mode of applying the clamp and the use of the same will be easily understood from Fig. 3. The trim has only to be inserted through the arms, the jaws properly set thereon, and the handle operated. In this way the two corner-forming pieces of the trim are tightly forced together and may be held in this position by the clamp until the glue is dry, or, after being so forced together a couple of nails may be driven into the joint and the clamp immediately removed.

It will be understood, of course, that the improved clamp may be applied to a large range of uses and hence the word "trim" is to be construed throughout the specification and claims as signifying any article or material to which the clamp may be applied.

I claim as my invention:

1. In a trim-clamp, the combination of a pair of arms to embrace the trim, a pair of jaws pivoted one at each end of the arms, one of the jaws being provided with an elongated pivoting slot, and a cam operating against that jaw to advance it against the trim.

2. In a trim-clamp, the combination of a pair of arms to embrace the trim, a pair of jaws pivoted one at each end of the arms, a tightening lever having a cam on its end bearing against one of the jaws, and a pair of plates having elongated slots and secured one on each side of the said one of the jaws and embracing the cam.

3. In a trim-clamp, the combination of a pair of arms to embrace the trim each arm having holes at the ends, a pin at each end passing through the corresponding holes in the arms, adjusting collars on the pins, a

pair of jaws one pivoted at each end of the arms upon the corresponding pin, and means to move one of the jaws against the trim.

5 4. In a trim-clamp, the combination of a pair of arms to embrace the trim, each arm having a plurality of holes at one end and a single hole at the other end, a pin at each end passing through corresponding holes in the arms, a pair of jaws pivoted one at each

end of the arms upon the corresponding pin, 10 and means to move one of the jaws against the trim.

This specification signed and witnessed this fourth day of April, A. D., 1910.

NILS AUGUST NILSON.

Signed in the presence of—

JOHN W. THOMPSON,
LUCIUS E. VARNEY.