

No. 872,252.

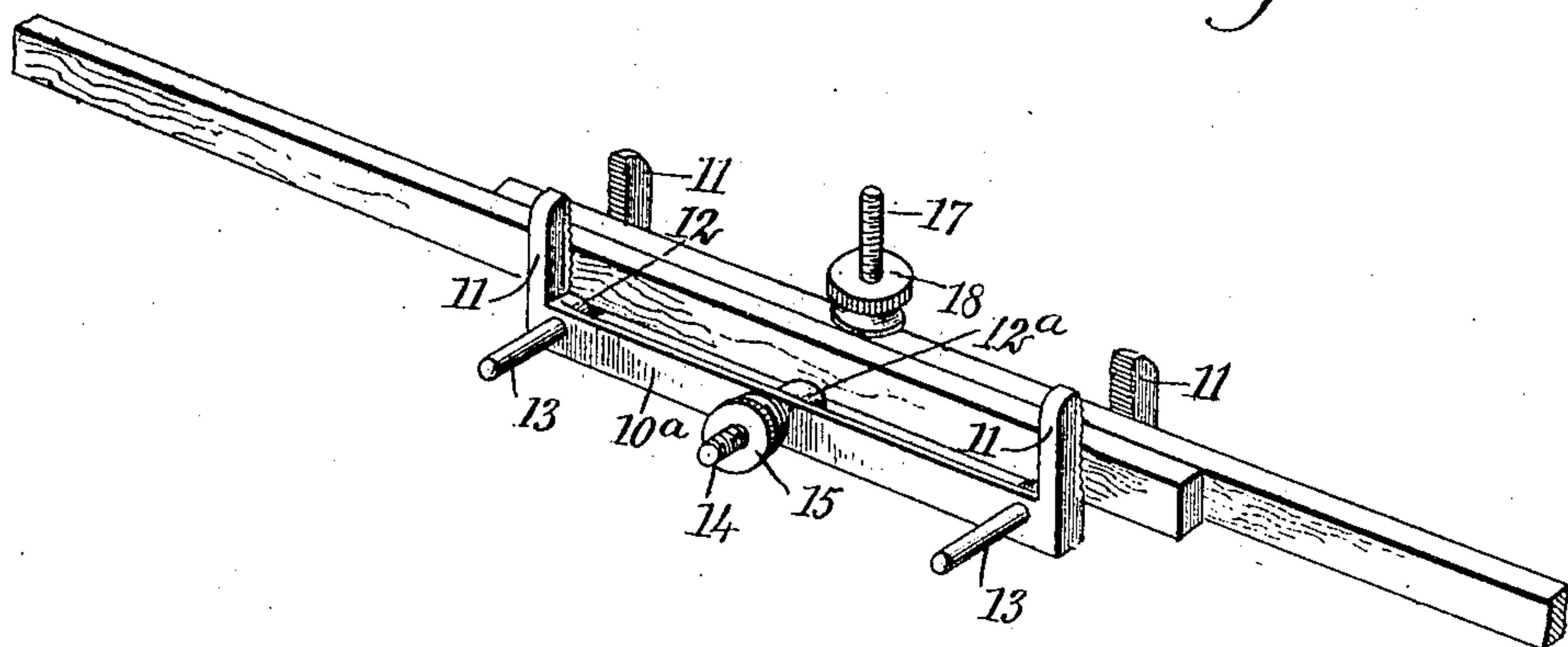
PATENTED NOV. 26, 1907.

M. A. REARE.

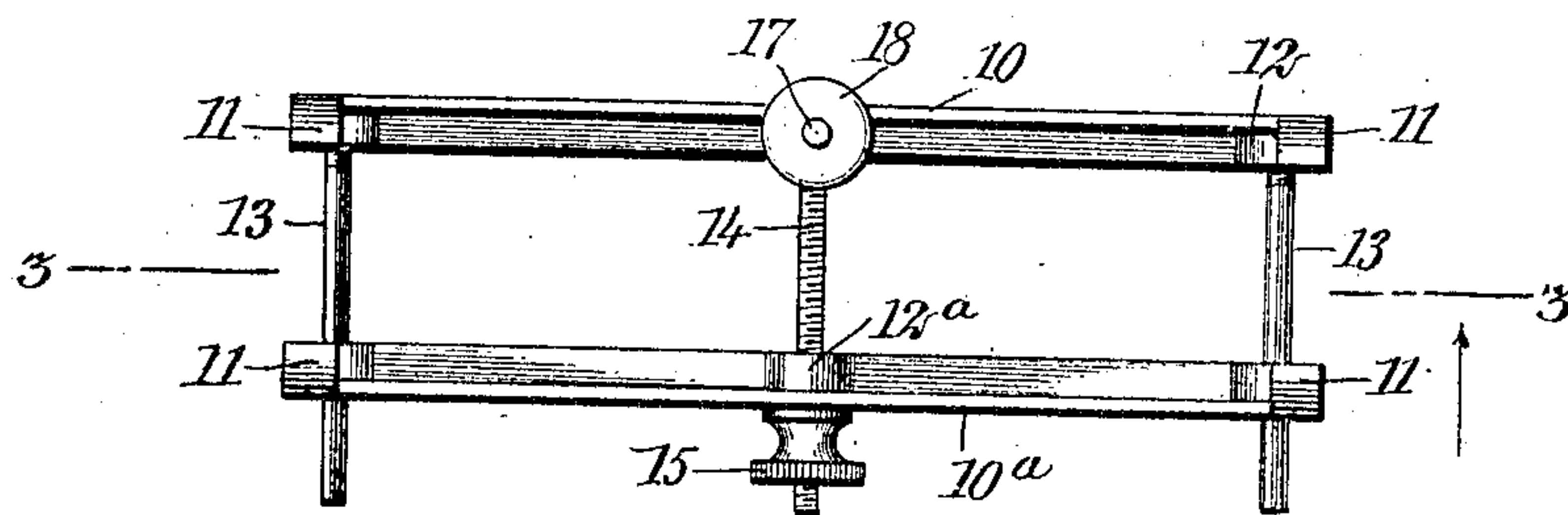
CLAMP.

APPLICATION FILED JUNE 13, 1907.

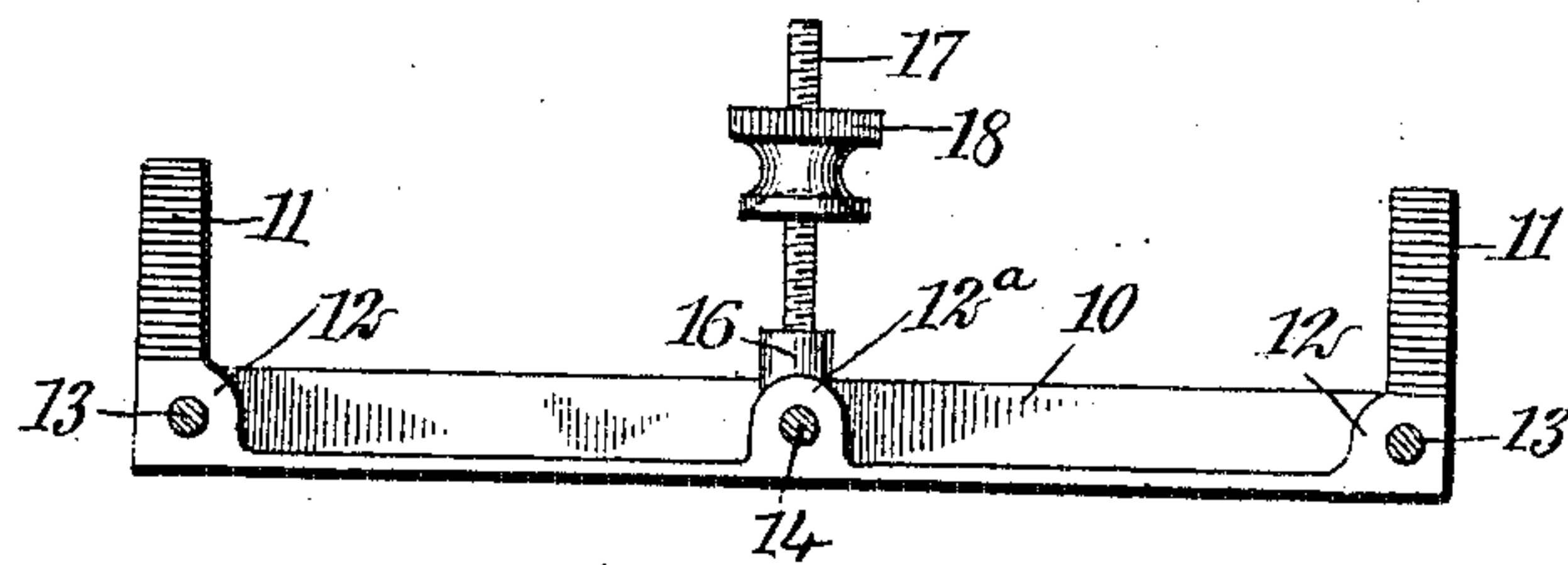
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES

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# UNITED STATES PATENT OFFICE.

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## CLAMP.

No. 872,252.

Specification of Letters Patent.

Patented Nov. 26, 1907.

Application filed June 13, 1907. Serial No. 378,799.

*To all whom it may concern:*

Be it known that I, MORLEY ALFRED REARE, a citizen of the United States, and a resident of Los Angeles, in the county of Los Angeles and State of California, have invented a new and Improved Clamp, of which the following is a full, clear, and exact description.

This invention is an improvement in clamps, more especially designed for clamping two strips of material together in obtaining dimensions. It is frequently necessary for carpenters and others to make extended measurements which cannot be conveniently done directly with a rule, and for this purpose two sticks are often employed by overlapping their inner ends to an extent sufficient to bring their outer ends in register with the points between which the distance is to be determined. This method of making measurements is found to be entirely satisfactory except in so far as holding the overlapping ends of the sticks or strips properly together, is concerned. This difficulty is overcome by the use of my improved clamp, one embodiment of which is hereinafter disclosed.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the clamp, illustrating the manner in which the overlapping ends of two strips are held in making a measurement; Fig. 2 is a plan of the clamp, and Fig. 3 is a longitudinal, vertical section on the line 3—3 of Fig. 2, looking in the direction of the arrow.

The clamp in its preferred construction is composed of two side-bars 10 and 10<sup>a</sup>, preferably in the nature of angle-iron and having upwardly-projecting and opposed jaws 11 arranged at opposite ends, said jaws in that form of my invention shown, being serrated on their inner faces and made integral with their respective side-bars. Adjacent to the jaws 11, the inner faces of the side-bars are formed with bosses or other thickened portions 12, which afford sufficient metal at these points on the bar 10 for threadedly receiving guide-rods 13, and on the bar 10<sup>a</sup> to provide extended bearings for said rods on which the bar 10<sup>a</sup> is slidably mounted. On the inner faces of the bars 10 and 10<sup>a</sup> at the center thereof, are formed bosses 12<sup>a</sup> corre-

sponding to the bosses 12, this being for the purpose of receiving a centrally-arranged operating screw 14 which is threaded or otherwise affixed to the bar 10 and is slidable in the bar 10<sup>a</sup>. A thumb-nut 15 in threaded engagement with the screw 14 at the outside of the bar 10<sup>a</sup>, is for the purpose of forcing the jaws 11 together, as is obvious.

The bar 10 is constructed with a lug 16 arranged over the boss 12<sup>a</sup>, in which is threaded a screw 17 carrying a thumb-nut 18, which is preferably made concave on its under face in order that it will bind only at its outer edge.

In clamping the overlapping ends of two strips or sticks in making measurements, they are placed between the clamping jaws, and the thumb-nut 18 is tightened against the top edge of the adjacent strip; the other strip being slid longitudinally until the ends of both strips are in register with the points between which the distance is to be determined. Before the strips are unclamped they are laid upon the base board, picture molding or other material to be cut and the desired length measured off.

The invention will be found especially useful in measuring rooms as in making measurements for picture-molding, base-boards, etc. and in numerous other relations.

It is apparent that changes within the scope of the invention may be made to the clamp hereinbefore described and illustrated in the drawing, without departing from the nature of the invention as defined in the annexed claims.

Having thus described my invention I claim as new and desire to secure by Letters Patent:

1. A clamp comprising angle-iron side-bars having integral, upwardly-projecting jaws at opposite ends serrated on their inner faces, bosses formed on the inner faces of said bars adjacent to said jaws, guide-rods threaded into said bosses of one of said bars, the other of said bars being slidable upon said rod, centrally-arranged bosses formed on the inner faces of said bars, an operating screw threaded into one of said centrally-arranged bosses and slidable through the other, a thumb-nut carried by said screw for forcing said jaws together, and a screw projecting upwardly from the center of one of said bars and carrying a thumb-nut for clamping the material held between said jaws at right angles thereto.



2. A clamp comprising side-bars having upwardly-projecting jaws at opposed ends, means for drawing said jaws together, and means for clamping the material held by said jaws at right angles to the clamping action of the jaws.

3. A clamp comprising side-bars having upwardly-projecting jaws at opposite ends, guide-rods connecting said bars together adjacent to said jaws, a centrally-arranged screw connected to one of said bars and slidable through the other, carrying means for forcing said jaws together, and a screw projecting upwardly from the center of one of said bars, carrying means for clamping the material held between said jaws at right angles to the clamping action thereof.

4. A clamp comprising angle-iron side-bars having upwardly-projecting opposed jaws at opposite ends, guide-rods arranged adjacent to said jaws, connecting said bars together, and an operating screw intermediate said rods for forcing the jaws together.

5. A clamp comprising side-bars having

upwardly-projecting jaws at opposite ends, guiding means connecting said bars together, means intermediate said guiding means for forcing the jaws together, and means for clamping the material held by the jaws at right angles to the clamping action of said jaws.

6. A clamp comprising side-bars having upwardly-projecting jaws at opposite ends, guide-rods connecting said bars together near each end thereof, an operating screw carrying a thumb-nut for forcing the jaws together intermediate said guide-rods, and an upwardly-projecting screw carried by one of said bars having a thumb-nut for clamping the material held by the jaws, at right angles to the clamping action of said jaws.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MORLEY ALFRED REARE.

Witnesses:

A. G. KUCK,

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