

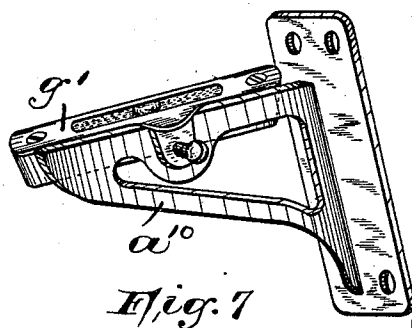
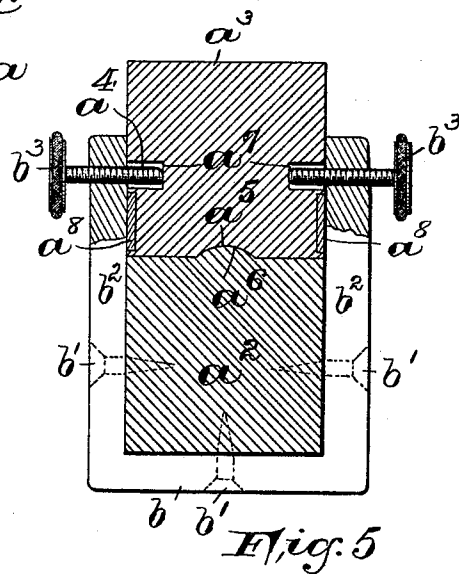
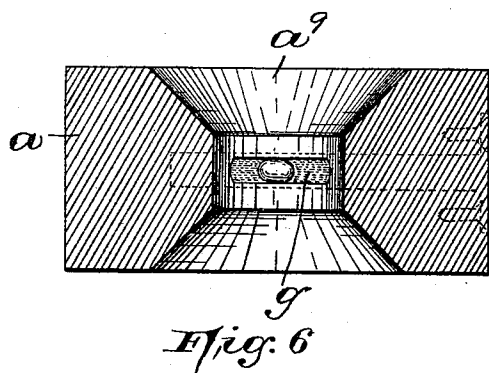
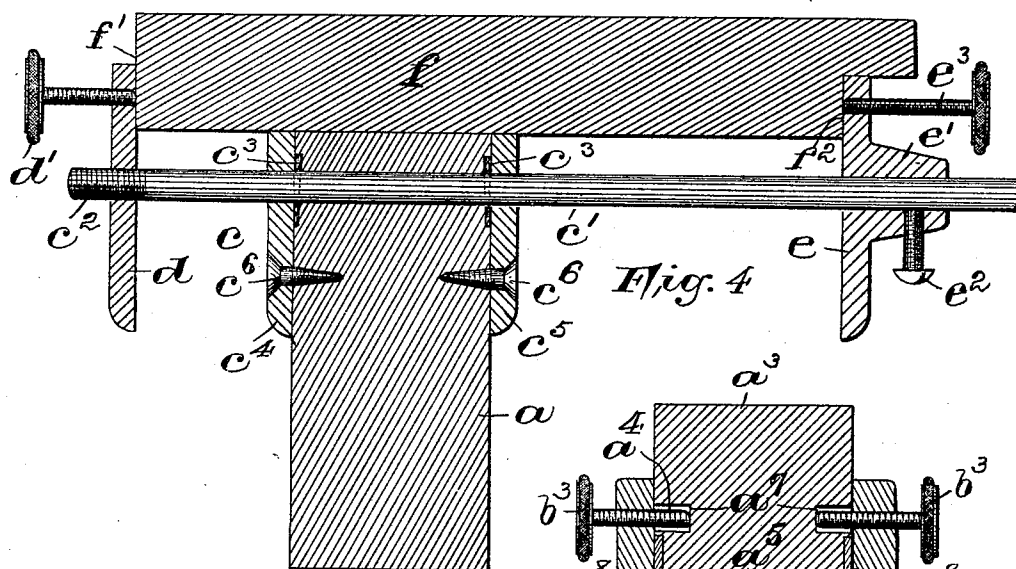
(No Model.)

2 Sheets—Sheet 2.

J. RITTERBECK.
DOOR JAMB SETTER.

No. 481,245.

Patented Aug. 23, 1892.



WITNESSES:

Wm. H. Canfield Jr.
B. Mortimer Trusdell.

INVENTOR:

Jacob Ritterbeck,
BY Fred C. Fraentzel, ATT'Y.

UNITED STATES PATENT OFFICE.

JACOB RITTERBECK, OF NEWARK, NEW JERSEY.

DOOR-JAMB SETTER.

SPECIFICATION forming part of Letters Patent No. 481,245, dated August 23, 1892.

Application filed November 27, 1891. Serial No. 413,193. (No model.)

To all whom it may concern:

Be it known that I, JACOB RITTERBECK, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Door-Jamb Setters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The purpose of the present invention is to provide an adjustable frame of such a construction as to enable a workman to set door-jamb in their true positions with but very little trouble. To this end I have devised the frame illustrated in the accompanying drawings, which is provided with a slide to enable the sides thereof to be adjusted to any width of door-jamb, and which is also provided with a set of leveling devices to enable the workmen to set and secure the jamb properly in the opening in the wall.

The invention therefore consists of certain novel arrangements and combinations of parts, such as will be hereinafter more fully described, and finally embodied in the clauses of the claim.

In the accompanying sheets of drawings is illustrated my door-jamb setter, in which—

Figure 1 is a view of the door-jamb setter, around which has been clamped a door-jamb, the sides of which have been formed perfectly square with each other upon the frame, and the entire device being ready for securing in the hole in the wall. Fig. 2 is a vertical section taken on line 2 2 in Fig. 1, clearly illustrating the manner of securing the door-jamb to the setter by means of clamping devices; and Fig. 3 is a view similar to that shown in Fig. 1 of the setter adjusted to fit a door-jamb of greater width.

On Sheet 2, Fig. 4, is a full-sized section taken on line 4 4 in Fig. 1, clearly illustrating the construction and mode of securing the clamping devices upon the door-jamb setter and its adjusting-plates and screws adapted to be forced down against the door-jamb.

Fig. 5 is a similar section taken on line 5 5 in Fig. 1, illustrating the construction of

the adjusting or sliding device, and Fig. 6 is a section taken on line 6 6 in said Fig. 1, showing the arrangement of a spirit-level for setting the device level in a horizontal plane; and Fig. 7 is a perspective view of a bracket adapted to be attached to the door-jamb setter and upon which a level can be arranged, as illustrated, to adjust the device in a vertical plane.

Similar letters of reference are employed to indicate corresponding parts in each of the above-described views.

As indicated in said drawings, the door-jamb setter consists of two side pieces *a*, preferably made of hard wood, planed perfectly true, and which may be provided at their upper ends with the small angle-irons *a'*, which are true squares. Projecting from the inner portions of said side pieces *a*, near the top and bottom of each piece, are the arms or braces *a*² *a*² and *a*³ *a*³, the arms *a*³ having a longitudinal groove *a*⁵ and the arms *a*² having the correspondingly-raised portion *a*⁶, (see Fig. 5,) adapted to slide in said groove, or the positions of the groove and raised portion may be reversed. By this means the two arms or braces *a*² and *a*³ can be made to slide one upon the other.

To the arms *a*³ I have secured by means of screws or pins *b'* a yoke *b*, the side arms *b*² of which are made to embrace the sides of the arms or braces *a*³, and can be firmly clamped against the same by means of the adjusting-screws *b*³, which extend into the longitudinal slots *a*⁴ in the arms *a*³, and can be screwed down against the inner surface *a*⁷ in said arms, as will be clearly evident from Fig. 5. In this manner by slacking the screws *b*³ said arms *a*² and *a*³ can be drawn apart and the side pieces *a* adjusted to any width, as shown in Fig. 3. Said arms *a*³ may be provided with one or more scales *a*⁸ to enable the quick and exact adjustment of the device.

To the side pieces *a* I have secured any desirable number of clamping devices *c* for securing the door-jamb around the setter, as will be readily seen from said Figs. 1, 2, and 3. Said clamping devices consist, essentially, of a rod *c'*, provided on one end with a screw-thread *c*². Each rod is passed through a hole in the side pieces *a* and conveniently secured

therein either by one or more pins c^3 or otherwise, and on each side of said pieces a and arranged on the rod c' are perforated plates c^4 and c^5 , secured by means of the screws or pins c^6 .

Upon the one end of the rod c' I have arranged a plate e , provided with a sleeve e' , a holding-screw e^2 , and an adjusting-screw e^3 .

Now when it is desired to properly secure a door-jamb in the opening in a wall all that is necessary is to adjust all the plates d upon the screw-threads on the rods c' . Then by adjusting the side pieces a to the proper distance apart, according to the width of the door, I place the door-jamb about the properly-adjusted frame so that the edge f' of the door-jamb f comes in contact with all of the plates d . This having been accomplished, I next slip the upper plates e down against the edge f^2 of the door-jamb, and then firmly screw the holding-screws e^2 against the rods c' . To further insure perfect holding-contact of the surfaces f' and f^2 of the door-jamb with the plates d and e , respectively, the adjusting-screws d' and e^3 are screwed down against the surfaces of the door-jamb, as will be clearly evident from Fig. 4. In this manner the sides of the door-jamb are arranged about my frame, and the three sides of the jamb will be at right angles to each other. When the sides of the door-jamb have thus been arranged about my setter, all that is necessary is to place my setter and the jamb in the opening in the wall and secure the door-jamb in position by means of nails or screws and then releasing the several clamping-screws and the setter can be removed from the door-jamb.

One of the side pieces a can be provided with an opening or hole a^9 , which is provided with a level g of any suitable construction, and said side pieces can be further provided with a second level g' , which can be arranged on a suitable bracket a^{10} therefor, whereby the door-jamb can be set perfectly level and plumb, as will be evident. As will be seen from Fig. 3, said door-jamb setter can also be adjustably arranged as to its length. The side pieces a are provided at or near their lower and free ends with guides or ways h , in which are arranged the slides h' , each having an adjusting-screw h^3 . In this manner the side pieces a can both be lengthened, and are of great benefit for resting the setter upon the floor when securing the door-jamb in position. Said guides h can also be provided with scales h^2 , if desirable.

Having thus described my invention, what I claim is—

1. A door-jamb setter consisting of side pieces connected with each other by cross-arms arranged in pairs and capable of adjustment sidewise, and a scale on one of said arms, clamping-plates on said side pieces, and means for adjusting said clamping-plates to-

ward or from the edges of a door-jamb frame, substantially as and for the purposes set forth.

2. A door-jamb setter consisting of side pieces, connecting arms or guides between said side pieces, and means for adjusting the same and holding them locked in such adjustment, and a scale on one of said arms, clamping-plates on said side pieces, and means for adjusting said clamping-plates toward or from the edges of a door-jamb frame, substantially as and for the purposes set forth.

3. A door-jamb setter consisting of side pieces connected with each other, perforated plates c^4 and c^5 , secured to said side pieces, rods c' , extending through said plates and side pieces and secured thereto, a clamping-plate d on the one threaded end of each of said rods, a clamping-plate e on the opposite end of each rod, provided with means for adjustably securing said plates e upon the rod, and adjusting-screws in each of said plates d and e , all arranged substantially as and for the purposes set forth.

4. A door-jamb setter consisting of side pieces provided with perforated plates c^4 and c^5 , secured to said side pieces, rods c' , extending through said plates and side pieces and secured thereto, a clamping-plate d on the one threaded end of each of said rods, a clamping-plate e on the opposite end of each rod, provided with means for adjustably securing said plates e upon the rod, adjusting-screws in each of said plates d and e , and adjustably-arranged sliding arms connecting said side pieces, said arms being provided with a yoke, and adjusting-screws for securing said arms in their adjusted positions, all arranged substantially as and for the purposes set forth.

5. A door-jamb setter consisting of side pieces a , connected with each other by cross-arms arranged in pairs and capable of adjustment sidewise and a scale on one of said arms, clamping-plates on said side pieces, means for adjusting said side pieces toward or from the edges of a door-jamb frame, and adjustable slides in the lower ends of said side pieces, provided with scales, substantially as and for the purposes set forth.

6. A door-jamb setter consisting of side pieces a , connected with each other by cross-arms adapted to slide upon each other, and a scale on one of said arms, perforated plates c^4 and c^5 , secured to said side pieces, rods c' , extending through said plates and side pieces and secured thereto, a clamping-plate on the one threaded end of each of said rods, a clamping-plate e on the opposite end of each rod, provided with means for adjustably securing said plates e upon the rods, and adjusting-screws in said plates d and e , substantially as and for the purposes set forth.

7. A door-jamb setter consisting of side pieces a , connected with each other by cross-arms adapted to slide upon each other,

and a scale on one of said arms, perforated
plates c^4 and c^5 , secured to said side pieces,
rods c' , extending through said plates and
side pieces and secured thereto, a clamping-
5 plate on the one threaded end of each of said
rods, a clamping-plate e on the opposite end
of each rod provided with means for adjust-
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justing-screws in said plates d and e , and ad-
10 justable slides in the lower ends of said side

pieces, provided with scales, substantially as
and for the purposes set forth.

In testimony that I claim the invention set
forth above I have hereunto set my hand this
24th day of November, 1891.

JACOB RITTERBECK.

Witnesses:

FREDK. C. FRAENTZEL,
WM. H. CAMFIELD, Jr.