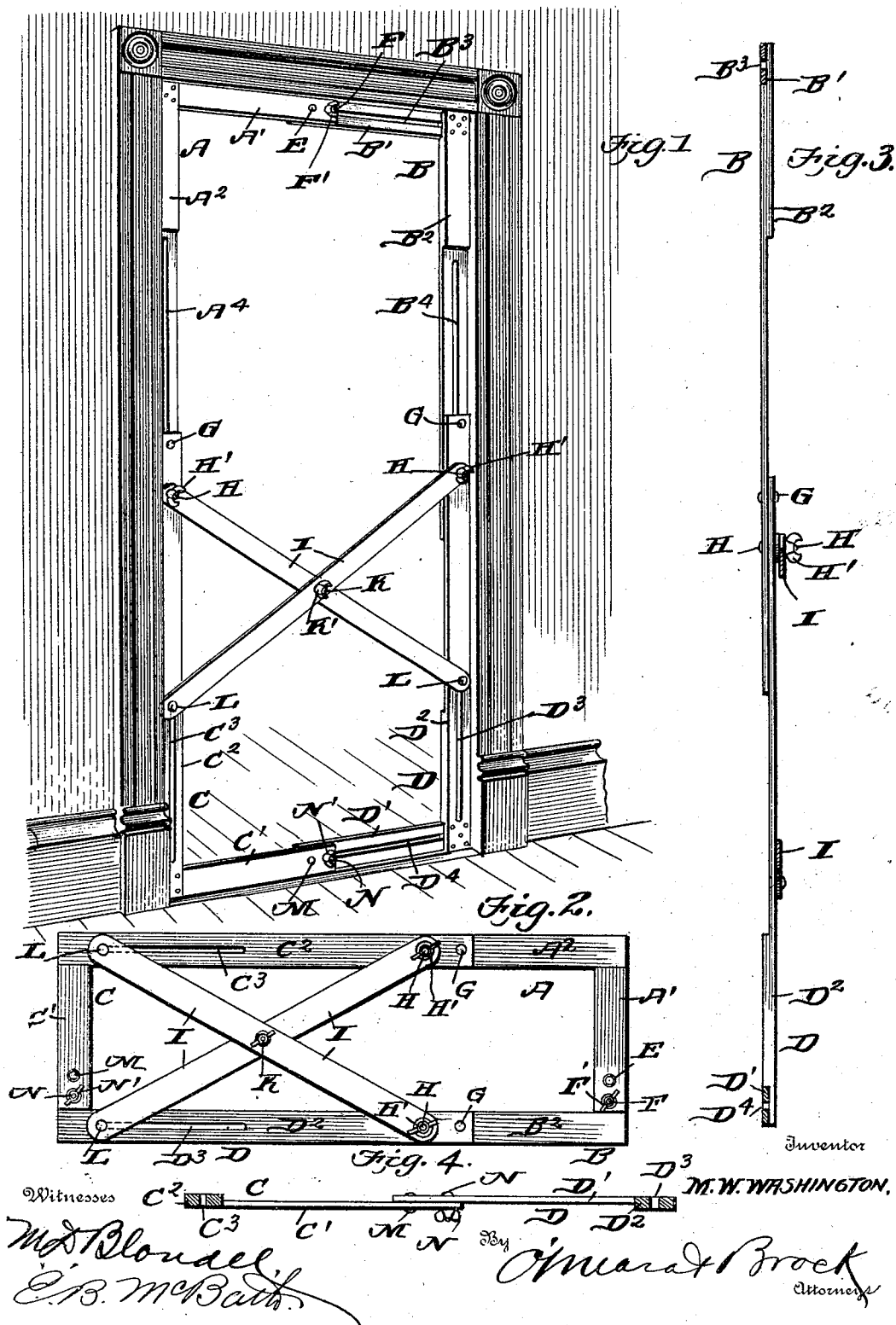


No. 773,176.

PATENTED OCT. 25, 1904.

M. W. WASHINGTON.
DEVICE FOR FITTING DOORS.
APPLICATION FILED JUNE 7, 1904.

NO MODEL.



UNITED STATES PATENT OFFICE.

MATTHEW WILLIAM WASHINGTON, OF DUNKIRK, NEW YORK.

DEVICE FOR FITTING DOORS.

SPECIFICATION forming part of Letters Patent No. 773,176, dated October 25, 1904.

Application filed June 7, 1904. Serial No. 211,502. (No model.)

To all whom it may concern:

Be it known that I, MATTHEW WILLIAM WASHINGTON, a citizen of the United States, residing at Dunkirk, in the county of Chautauqua and State of New York, have invented a new and useful Improvement in a Device for Fitting Doors, of which the following is a specification.

This invention is an improved form of device to be used when fitting doors to their frames.

Heretofore considerable difficulties have been experienced in fitting doors to the frames, and it frequently happens that it is necessary to repeatedly plane the door at one side or the other or at the top or bottom, and it is with the idea of avoiding these operations that my invention has been devised and which consists of an adjustable frame capable of being fitted to the door-frame, thereby obtaining the exact inside measurement of said door-frame, and this measurement can then be transferred to the door to be fitted by locking the adjustable parts of the adjustable frame and then placing said frame upon the door and marking thereon the exact shape of the frame, so that the door can be trimmed down to that measurement, and thereby exactly fit the door-frame.

The invention consists also in certain details of construction whereby these various operations are accomplished, said details being hereinafter fully described, and pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a view showing the practical application of my invention. Fig. 2 is a plan view of the frame folded to its most compact form. Fig. 3 is a vertical longitudinal section of the frame in extended form. Fig. 4 is a horizontal sectional view of the frame in extended form.

In carrying out my invention I employ four L-shaped or right-angular members A, B, C, and D, consisting, respectively, of the horizontal and vertical arms A' and A², B' and B², C' and C², and D' and D². The arm B' is slotted longitudinally for the greater portion of its length, and working in said slot is the guide-rivet E, which passes through the arm

A' adjacent its end, and passing through said arm at the end and also through the slot B³ is a clamping-bolt F, having the winged nut F' arranged thereon, said bolt and nut being used to clamp the arms A' and B' together after they have been adjusted to the proper position. The lower portions of the arms A² and B² are reduced and slotted, as shown at A⁴ and B⁴, respectively, and the upper portions of the arms C² and D² are correspondingly reduced and slide upon the reduced portions of the arms A² and B², respectively. Guiding-rivets G work in the slots A⁴ and B⁴, said guiding-rivets being passed through the upper ends of the arms C² and D², and passing through the said arms adjacent their upper ends are the clamping-bolts H, carrying the nuts H', said bolts also passing through the slots A⁴ and B⁴. These bolts also pass through the upper ends of the arms I, which cross each other and pivotally connect by means of a clamping-bolt K, carrying the nut K', and at their lower ends are connected, by means of guiding-rivets L, to the lower portions of the arms C² and D², said lower portions being slotted longitudinally, as shown at C³ and D³, respectively. The arm D' is slotted, as shown at D⁴, and M indicates a guiding-rivet working in said slot and passing through the arm C' adjacent its end, and at the end of the said arm is the clamping-bolt N, carrying the nut N'.

By loosening the several nuts the arms of the various members can be adjusted one upon the other, so that the frame can be made to fit accurately the inside of the door-frame, as most clearly shown in Fig. 1, and after the adjustable frame has been so fixed the nuts are tightened, thereby binding the various members in their proper adjusted positions, and the frame as a whole can then be removed and placed upon the door to be fitted and the exact measurement marked upon the said door, and by trimming the door down to those measurements an exact fit can be obtained, thereby saving considerable time and labor in accurately fitting the door to its particular frame.

It will thus be seen that I provide an exceedingly cheap, simple, and efficient device

capable of carrying out all of the objects hereinbefore mentioned.

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

1. A device of the kind described comprising four L-shaped members adjustable upon one another and the pivoted cross-arms connected to the side pieces of said members.

10 2. A device of the kind described comprising four L-shaped members arranged to form a rectangle and adjustable one upon the other, means for clamping them together, the cross-arms pivoted together, said arms being

clamped at one end to the side pieces of the 15 members, the opposite ends of said arms being slidably connected to the side pieces.

3. A device of the kind described comprising four L-shaped members slotted as set forth, the clamping-bolts and guiding-rivets 20 and the cross-arms pivotally connected to each other and to the said members, at one end, and slidably attached to said members at the other end.

MATTHEW WILLIAM WASHINGTON.

Witnesses:

LUMAN S. BARBER,
HARRIET B. HILL.