

R. HOEL.
 PORTABLE SASH AND DOOR HOLDING MEANS.
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986,289.

Patented Mar. 7, 1911.

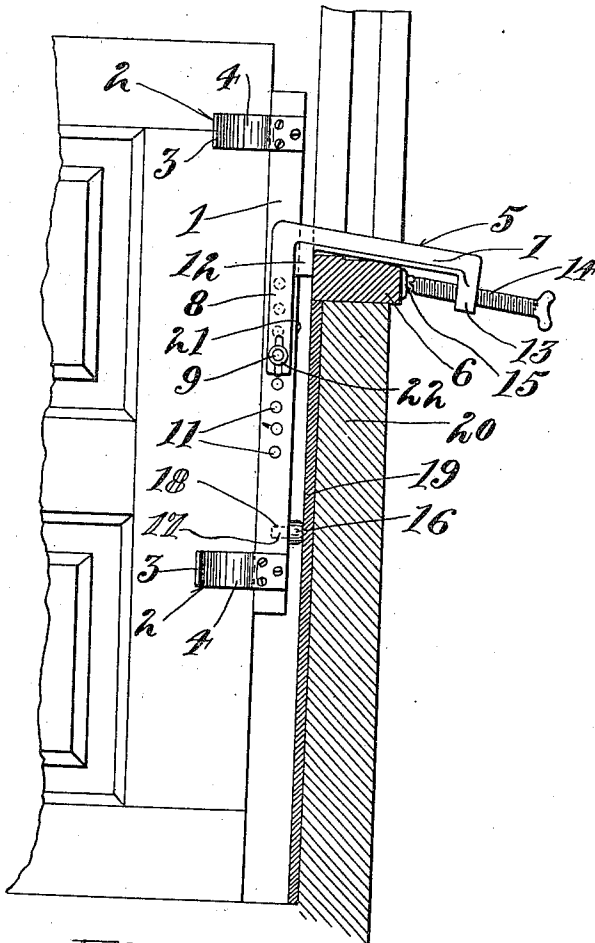


Fig. 1.

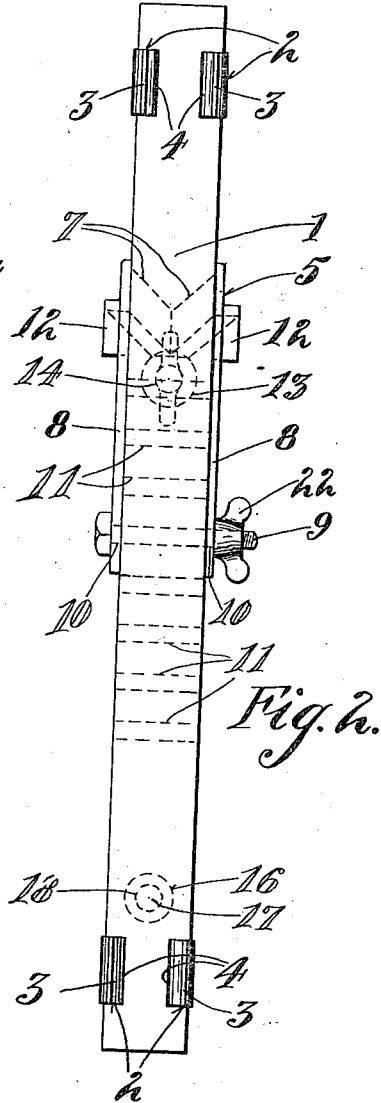


Fig. 2.

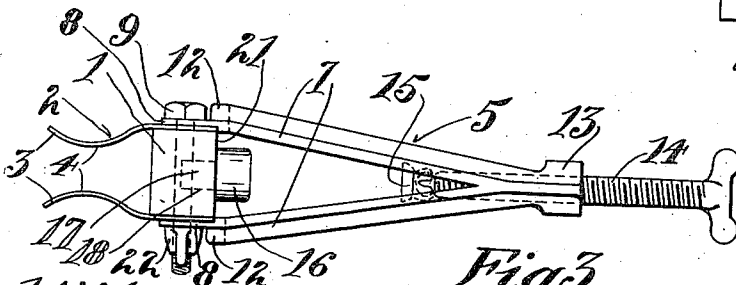


Fig. 3.

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UNITED STATES PATENT OFFICE.

RION HOEL, OF NORWOOD, OHIO.

PORTABLE SASH AND DOOR HOLDING MEANS.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, RION HOEL, a citizen of the United States, residing at Norwood, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Portable Sash and Door Holding Means, of which the following is a specification.

It is the object of my invention to provide novel means for holding the sash and door while the same are being planed and fitted to the window-frame or door-frame, or fitted with hardware preparatory to being inserted in said frames, for instance when inserting the sashes and doors in a new building.

The most general practice has been, when fitting sashes and doors, to nail the same temporarily to some stationary object, which results in marring of the parts.

My invention consists in providing a novel holder for sashes and doors which is arranged to be clamped, for instance, to the window sill of the building, and is readily portable, and arranged to readily receive the sashes and doors with sufficient firmness to enable the operations upon the same to be performed; and the invention consists in the parts, and in the construction, arrangement and combinations of the parts hereinafter more fully described and claimed.

In the drawings: Figure 1 is a side elevation of my improved device, shown in position of use, with a door received therein, partly broken away. Fig. 2 is a front elevation of my improved device; and, Fig. 3 is a plan view of the same.

1 represents a bar which has thereon clamps 2 for holding the sash or door, the clamps being shown as springs which have outwardly flaring outer ends 3 and intermediate bowed portions 4 arranged to contact the sash or door for holding the same rigidly with relation to the bar. The bar when in operative relation is normally in upright position, and is supported by an affixing clamp 5, arranged to be clamped to a suitable positioning part, as a window sill 6. This affixing part is preferably in the form of a yoke, having the diverging side arms 7, from which legs 8 depend, between which latter the bar is adapted to be received and secured, as by means of a bolt 9 passing through holes 10 in said legs and through selective holes 11 in the bar, there being a series of these holes in one of said parts, as

in the bar, for permitting a relative longitudinal adjustment of the bar 1 upon the affixing clamp.

Shoes 12 are on the side arms. The outer ends of the clamping arms are connected by a depending lug 13, which is internally threaded for receiving a clamp-screw 14, which at its inner end preferably has a swiveling clamp-block 15, between which and the shoe 12 the stationary object to which the clamp is to be attached, is received. The clamping face of the shoes and the longitudinal axis of the arms are located at acute angles with relation to each other so as to permit the arms to be placed in slanting position, for instance, on a window-sill, and allow the contact-faces of the shoes to be received snugly against the inner face of the window-sill, while permitting the swiveling clamp-block on the screw to be received firmly against the outer face of the window-sill, for firmly securing the affixing clamp in position.

The rear wall of the bar 1 is provided with a cushion 16, for instance, a rubber knob, having a reduced shank 17 received in an aperture 18 in the outer face of said bar. The cushion is adapted to be received against the plaster 19 at the inside of the wall 20 to which the affixing clamp is attached.

The clamping faces of the shoes are located somewhat forwardly of the outer faces 21 of the bar 1, so that, if desired, the bar 1 may be swung into slightly slanting position, with its upper end leaning outwardly, depending on the operation it is desired to perform on the sash or door received in the holder. The nut 22 on the bolt may be drawn up sufficiently to firmly secure the bar 1 between the legs 8.

My improved device is readily attachable to a stationary part of the building, for instance, the window-sill, and may be readily detached and taken from place to place, and quickly attached in suitable relation, and forms firm securing means for the sash and door, while the same are operated on in the fitting operation, and supplying the same with hardware. It also prevents marring and injury to the door or sash, and provides means by which the door or sash may be readily inserted and removed from the holder.

Having thus fully described my invention,

what I claim as new and desire to secure by Letters Patent is:

1. In a portable sash and door holder; the combination of an affixing clamp arranged to be attached to a stationary part and comprising diverging arms terminating in depending legs, and provided with a shoe, and clamping means, the said stationary part arranged to be received between said clamping means and shoe, a bar secured between said legs; and holding means for the door or sash or the like on said bar above and below said legs, substantially as described.

2. In a portable sash and door holder, the combination of an affixing clamp comprising diverging side arms, and having a shoe thereon provided with clamping faces which extend at an acute angle with relation to the longitudinal axes of said arms, and a clamp-screw threaded at the meeting point of said diverging side arms, a normally upright bar located between said diverging arms, connecting means between said arms and bar, and spring-holders between which the sash, door or the like are arranged to be received, secured to said bar above and below said arms, substantially as described.

3. In a portable sash and door holder, the combination of diverging side arms terminating in depending legs, and having a shoe thereon provided with clamping faces which extend at an acute angle with relation to the longitudinal axes of said arms, a clamp-screw for said arms, the end of said clamp-screw provided with a swiveling clamp-block, a normally upright bar located between said depending legs, said depending legs and the normally upright bar having a series of registering holes between

them, the series of holes on at least one of said parts extending longitudinally of said bar, and connecting means received through selective holes for locating said bar at different selective elevations with relation to said depending legs, and holders between which the sash, door or the like are arranged to be received, secured to said bar above and below said legs, substantially as described.

4. In a portable sash and door holder, the combination of diverging side arms terminating in depending legs, and having a shoe thereon provided with a clamping face which extends at an acute angle with relation to the longitudinal axes of said arms, a clamp-screw, the end of said clamp-screw provided with a swiveling clamp-block, a normally upright bar located between said depending legs, said depending legs and the normally upright bar having a series of registering holes between them, the series of holes on at least one of said parts extending longitudinally of said bar, and connecting means received through selective holes for locating said bar at different selective elevations with relation to said depending legs, spring-holders between which the sash, door or the like are arranged to be received, secured to said bar above and below said legs, and a cushion to the rear of said bar adjacent to its lower end, substantially as described.

In testimony whereof, I have signed my name hereto in the presence of two subscribing witnesses.

RION HOEL.

Witnesses:

LILLIAN BURNETT,
JACOB A. HOLLANDER.