C. SCHULTZ.

WORK HOLDING CLAMP.

APPLICATION FILED MAR. 28, 1914.

1,161,983. Patented Nov. 30, 1915.

Fig 1

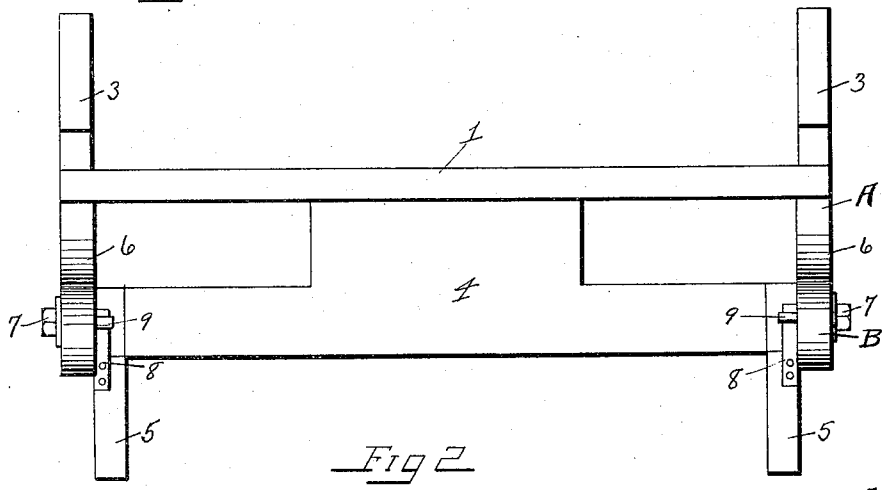


Fig 2

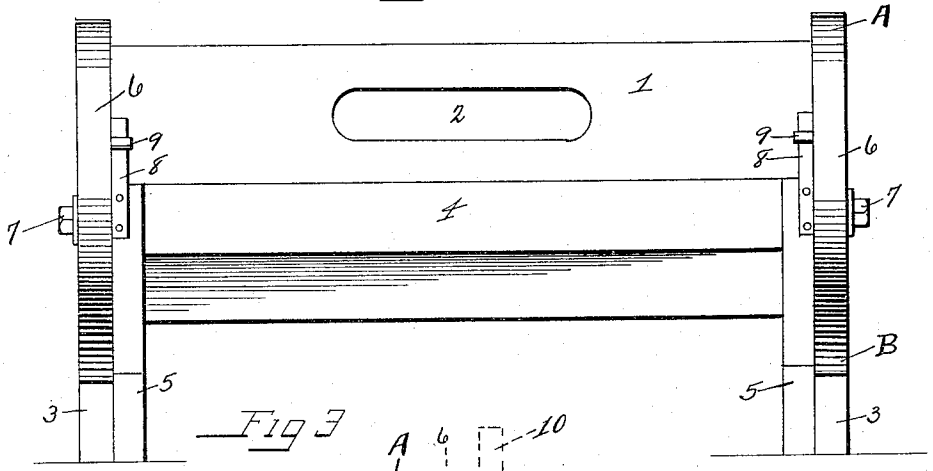
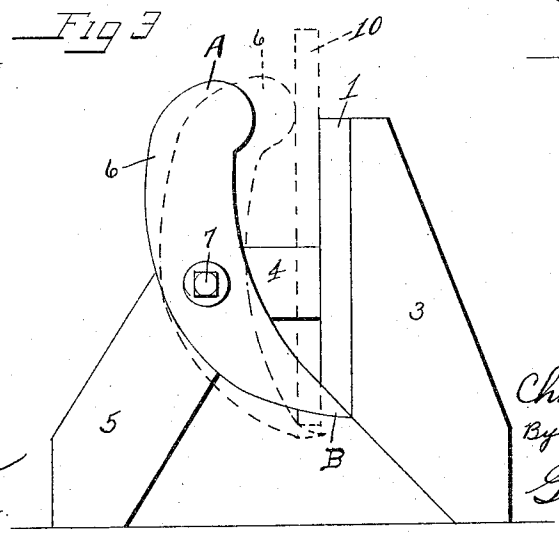


Fig 3



Witnesses

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CHARLEY SCHULTZ, OF URBANA, INDIANA.

WORK-HOLDING CLAMP.

1,161,983. Specification of Letters Patent. Patented Nov. 30, 1915.

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To all whom it may concern:

Be it known that I, CHARLEY SCHULTZ, a citizen of the United States, residing at Urbana, in the county of Wabash and State of Indiana, have invented certain new and useful Improvements in Work-Holding Clamps, of which the following is a specification.

This invention relates to improvements in woodworking, and more specifically to work holders provided with pivoted jaw clamps.

The object of my invention is to provide a work holding clamp that may be readily carried from place to place for use in holding for planing or other purposes, large pieces of carpenter work, such as doors, windows, boards, etc. This obviates the necessity of carrying the piece being worked on to a central work bench in the course of its fitting.

The device is simple in construction, durable, and economical to manufacture, being made of wood with no special or costly parts. It is made preferably with two jaws so that two carpenters may use the one vise at the same time, thereby greatly expediting the work to be accomplished.

Other objects of this invention not at this time more particularly enumerated, will be clearly understood from the detailed description and drawing forming a part of this specification.

Furthermore, this invention consists in the novel arrangement and combination of parts more particularly described in the following specification and embodied in the claims appended hereunto and forming a part of this application.

Referring now to the drawings which are merely illustrative of my invention, Figure 1 is a top plan view of my vise while Fig. 2 is a side elevation and Fig. 3 is an end elevation of the same.

Referring further to the drawings, wherein similar reference characters designate similar parts throughout the respective views, 1 designates a board placed horizontally and on edge with respect to the length thereof, provided with an opening 2 centrally located near the top thereof adapted to be used as a handle. Fixed to both ends of said board and extending downwardly and outwardly therefrom are legs 3. Centrally located and at right angles with respect to the face of said board 1 and securely fixed thereto is a T-shaped board 4. Fixed to both ends of said boards 4 and extending downwardly and outwardly therefrom are legs 5.

Crescent-shaped jaws 6, having a blunt end A and a wedge-shaped end B are pivotally mounted at the ends of board 4 and legs 5 by means of bolts 7. The said jaws 6 are so mounted that the ends B are normally engaged with the bottom at both ends of board 1, while the ends A are held spaced apart from said board 1 by means of a leaf spring 8 secured at one end to tops of legs 5, so that the free ends of said springs may engage with pins 9 secured at a certain point on the inner faces of jaws 6, and projecting inwardly therefrom.

In operation a board 10 is pressed downwardly upon end B of one of the jaws 6, between board 1 and end A at the upper end of said jaw. Such downward pressure on lower end B forces upper end A of jaw 6 into contact with the board 10, thereby holding said board securely in position against board 1. An upward pull on board 10 will release it from the work holding clamp, which is automatically restored to operative position by means of the outward pressure of spring 8 against pin 9 of said jaw 6.

Having now described and pointed out the new and useful features of my invention, I do not limit myself to the shape of certain parts where the shape is not essential, nor do I restrict myself to the exact details of construction shown and described, but mean and intend to claim all equivalents and variations thereof not departing in principle from my invention and falling within the purview of the appended claims.

What I claim as my invention and desire to secure by Letters Patent, is:

1. A work holding clamp including a vertical wall, a horizontal bar, means connecting the central portion of the bar to the wall and spacing the extremities of the bar from the wall, support means for said wall and bar, levers pivoted to said bar and having projecting pins, and means resiliently acting upon the pins of each lever to normally force one terminal thereof into contact with the wall, said levers being displaceable, upon the insertion of work between them and the wall to contact at both extremities with the work.

2. A work holding clamp including a vertical wall provided with a lower beveled edge, legs supporting the wal , a bar se-

cured to the wall and projecting therefrom at right angles, legs supporting the bar, levers pivoted to said bar, each being formed with a tapered terminal and a rounded end, and means normally forcing the tapered terminals of the levers into contact with the beveled edge of said wall, said levers being adapted to be displaced from such normal position by the entrance of the work between them and said wall, both ends of each lever contacting with the inserted work and the tapered terminal of each lever supporting the work.

3. A work holding clamp including a vertical wall, legs supporting the wall, a bar at right angles to the wall and formed with a relatively small intermediate portion for securement to the wall in spacing the remainder of the bar from the wall, legs supporting the spaced portion of the bar, levers pivoted to the bar, each formed with a tapering and a rounded terminal, and means resiliently determining contact between the tapering terminal of each lever and the wall, said means being adapted to be overcome by the insertion of work into the clamp between the levers and the wall so that both extremities of each lever are adapted to contact with the inserted work.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLEY SCHULTZ.

Witnesses:
M. F. SHOCKMAN,
GEO. A. STARZ.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."