

J. M. COMBS.
Work-Bench Attachment.

No. 207,504

Patented Aug. 27, 1878.

Fig. 1.

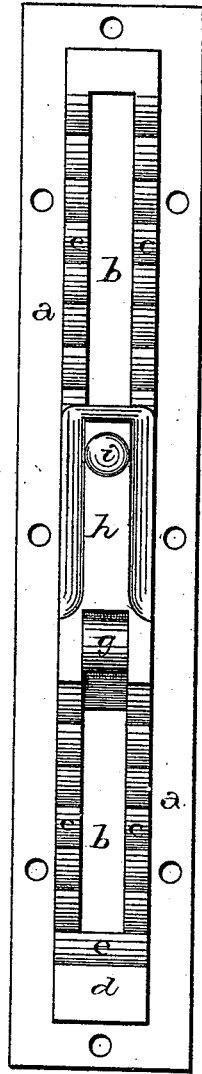
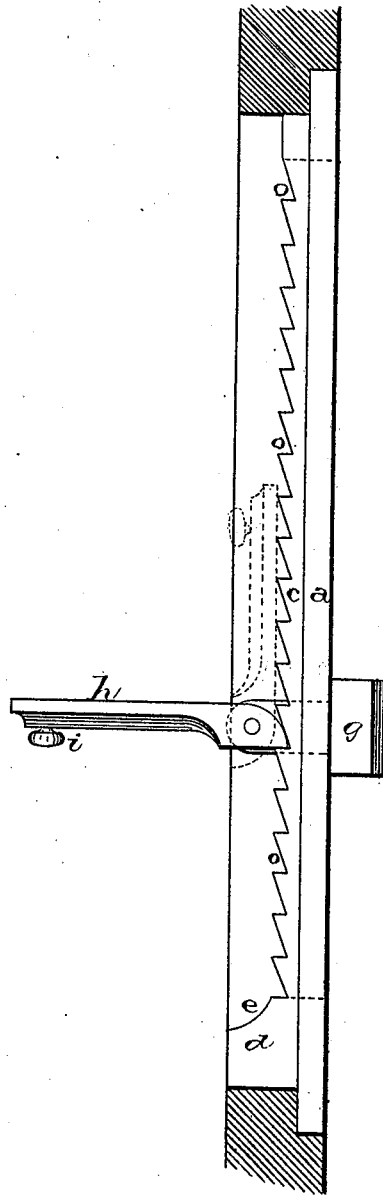


Fig. 2.



Witnesses:

J. W. Garner
W. L. Haines

Inventor

J. M. Combs

per

F. A. Schumann

atly

UNITED STATES PATENT OFFICE.

JOHN M. COMBS, OF LA. CUEVA, TERRITORY OF NEW MEXICO.

IMPROVEMENT IN WORK-BENCH ATTACHMENTS.

Specification forming part of Letters Patent No. **207,504**, dated August 27, 1878; application filed August 1, 1878.

To all whom it may concern:

Be it known that I, JOHN M. COMBS, of La Cueva, in the county of Mora and Territory of New Mexico, have invented certain new and useful Improvements in Carpenters' Bench Attachments; 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in board-rests for carpenter's benches; and it consists in a slotted frame having ratchets on its face, and a pawl which moves up and down thereon, and is adapted to be closed up out of the way when not in use, as will be more fully described hereinafter.

This invention is intended to take the place of the usual supporting-pin that is used by carpenters for the purpose of supporting a board in position against the side of the bench while its edge is being dressed, and which pin is not only liable to get lost, but is constantly in the way as the carpenter moves back and forth.

The accompanying drawings represent my invention.

a represents a rectangular iron frame of any desired length or width, and which has the slot *b* running nearly its entire length. Upon all sides of this slot is formed the flange *c*, which is about the same height everywhere, except at the bottom, where the flange is enlarged into the projection *d*, having the inclined surface *e* on its top. Passing through the slot *b* from behind the frame *a* is the small end of the sliding block *g*, and pivoted to this small projecting end is the pawl *h*, upon which the board is supported in position. This pawl is provided with the knob or handle *i*, for convenience in moving the pawl up and down, and has its inner lower corner beveled away, as shown, so as to allow the pawl to be freely lowered down to a horizontal position, or closed up against the side of the frame, so as

to be out of the way. When lowered to a horizontal position the pawl will be supported at any desired height upon the frame by having its lower outer corner catch in the ratchets *o*, formed in the flanges *c*, and while in this horizontal position the pawl forms a support for the plank or other piece of lumber that is being dressed upon its edge.

In applying my invention to a carpenter's or joiner's bench, a recess is cut in the inner side of the front of the bench, and a slot is cut entirely through its side sufficiently long and wide to receive the whole of the flange *c* and the projection on its lower end. When the pawl is closed up against the side of the frame it will be wholly in the slot, so as to form no projection beyond the side of the table; but when lowered down to a horizontal position the pawl projects outward far enough to form a support in the same manner as the pin which is now in universal use among carpenters. When not needed to form a support the pawl will be closed up against the side of the frame *a*, and pushed downward until its cut-away corner rests upon the curved top of the projection *d*, when it will be held in a vertical position out of the way.

Having thus described my invention, I claim—

1. The combination of the frame *a*, having the slot *b* and ratcheted flanges *c*, with the block *g* and pawl *h*, the pawl being adapted to be opened and closed, substantially as shown.

2. The combination of the frame *a*, having slot *b*, ratcheted flanges *c*, and projection *d*, with the block *g* and pawl *h*, the projection serving to hold the pawl in a vertical position, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 22d day of July, 1878.

JOHN MILTON COMBS.

Witnesses:

HENRY ROBISON,
JOHN DOHERTY.