

(No Model.)

H. W. PEACE.
Saw Handle.

No. 238,960.

Patented March 15, 1881.

Fig. 1.

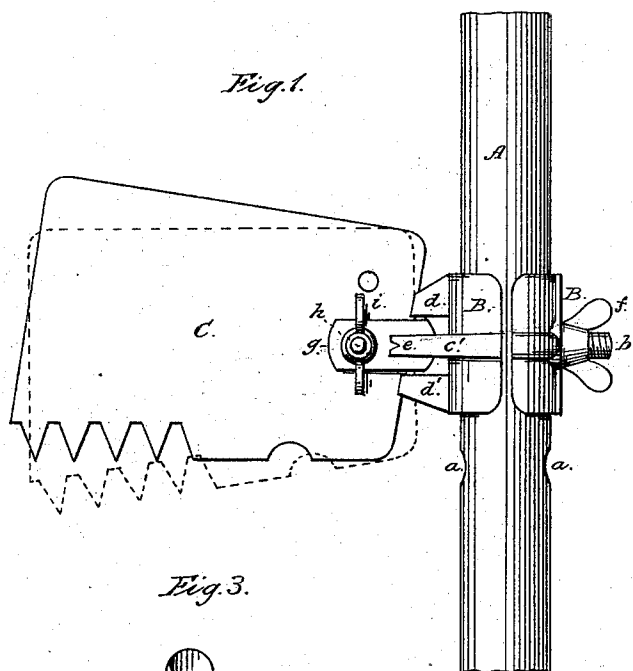


Fig. 3.

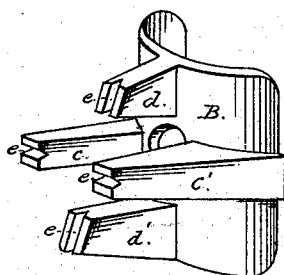
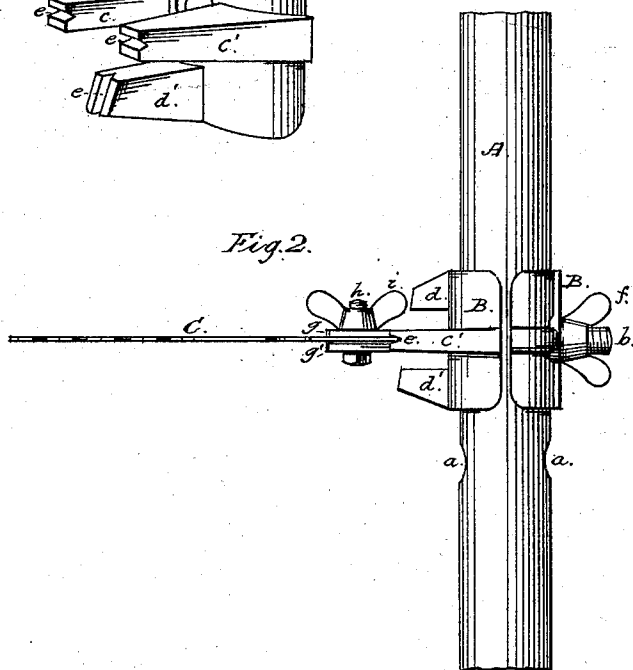


Fig. 2.



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UNITED STATES PATENT OFFICE.

HARVEY W. PEACE, OF BROOKLYN, NEW YORK.

SAW-HANDLE.

SPECIFICATION forming part of Letters Patent No. 238,960, dated March 15, 1881.

Application filed December 24, 1880. (No model.)

To all whom it may concern:

Be it known that I, HARVEY W. PEACE, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Saw-Handles; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention relates to an improvement in saw-handles, whereby the same can be readily and conveniently attached to all kinds of saws; and it therein consists in the employment of a device, in connection with the handle, that will enable the operator to adjust the handle on a line with the plane of the saw-blade, or at right angles to the same, without its removal therefrom, and also allow the adjustability of the saw-blade vertically at any part of the handle or to any size of handle; and, further, in the peculiar construction of its parts, all as more fully hereinafter described and illustrated.

To enable persons skilled in the art to know how to make and use my invention, I will now proceed to fully describe the same, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation, showing the saw-blade when inserted in a position vertical with the handle, and in dotted lines a variation in the angle of inclination of the saw-blade; Fig. 2, a similar view, showing the saw-blade when inserted in a position at right angles to the handle, and Fig. 3 a detail view, in perspective, of the curved plate B.

Like letters denote corresponding parts in each figure.

A is an ordinary handle, of any desired length or size, provided with holes *a* (one only being shown) at right angles to its length, for the reception of a bolt, *b*, by which the saw-blade C is attached to the handle.

B B' are two curved plates, which embrace the handle at any point desired. The curved plate B is provided with four outwardly-extending arms, *c c' d d'*, cast with said plate. Each of these arms is provided on its end with a notch, *e*, which receives the end of the saw-blade when placed therein. The arms *d d'* have their ends cut on an inclined plane, as

shown in Figs. 1 and 3, and by referring to Fig. 3 it may also be seen that the arm *d* is much shorter than the other arms. This allows the blade, when placed in the notches of the arms *d d'*, to be on an inclined plane, thereby providing for the natural position of the hands when the handle is held in a vertical position, as should be—viz., one hand in advance of the other—thus allowing more leverage for the action of the saw; or it may be adjusted at any inclination desired, or reversed when more convenient. Each of the two curved plates is provided at its center with a hole corresponding in size with those of the handle, for the reception of the bolt *b*, which passes through said hole and corresponding hole of the handle and other plate, and is screw-threaded on its outer end to receive a thumb-nut, *f*, by means of which the saw-blade C may be rigidly and firmly held in the notches *e* of the arms. The inner end of said bolt next the saw-blade is provided with two ears, *g g'*, between which the saw-blade is removably pivoted by means of an eyebolt, *h*, and thumb-nut *i*, said bolt passing through eyes in the said ears *g g'* and corresponding eye in the blade.

When it is desired to turn the handle at right angles to the plane of the saw-blade C the thumb-nut *f* is loosened, thus freeing the blade from the notches *e* of the arms *d d'*, and allowing the handle to be turned to a position at right angles to the plane of the saw-blade. The blade is then inserted in the notches of the arms *c c'* and the thumb-nut *f* tightened, thus causing the blade to be firmly held therein.

The advantages of my handle will be obvious, upon inspection, to those accustomed to the use of saws. It may be explained, however, that it is simple, cheap, and durable, permits the adjustability of the saw-blade to any part of the handle, enables the saw to be kept always strained without injury to the handle, permits a variation in the size of handles which will fit tightly, and enables the saw to be used in all positions of the material to be cut, and of the workman, and is well adapted to a great variety of saws.

What I claim, and desire to secure by Letters Patent, is—

A saw-handle provided with two adjustable curved plates, B B', the said plate B having four projecting arms, *c c' d d'*, one arm being shorter than the others, the several parts so
5 constructed and arranged that, in connection with a bolt and thumb-nut, the said handle may be secured on the plane of the saw-blade, or at an angle thereto, without its removal there-

from, substantially as described, and for the purpose set forth. 10

This specification signed and witnessed this 20th day of December, 1880.

HARVEY W. PEACE.

Witnesses :

CHAS. B. PAUL,
J. G. JENKINS.