

(No Model.)

C. W. KNAPP,  
SAW HANDLE.

No. 261,932.

Patented Aug. 1, 1882.

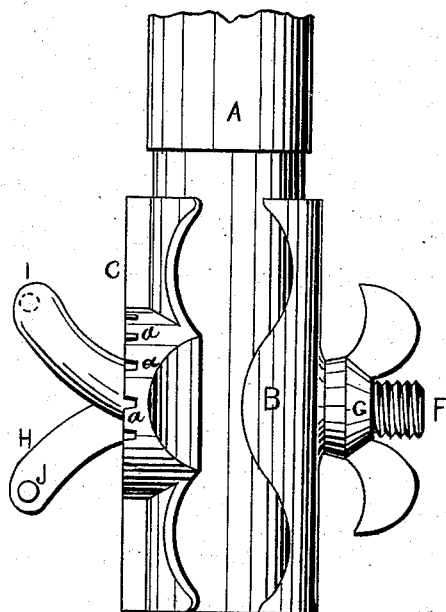


FIG. 1.

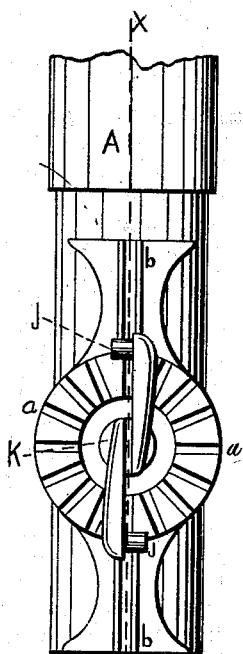


FIG. 2.

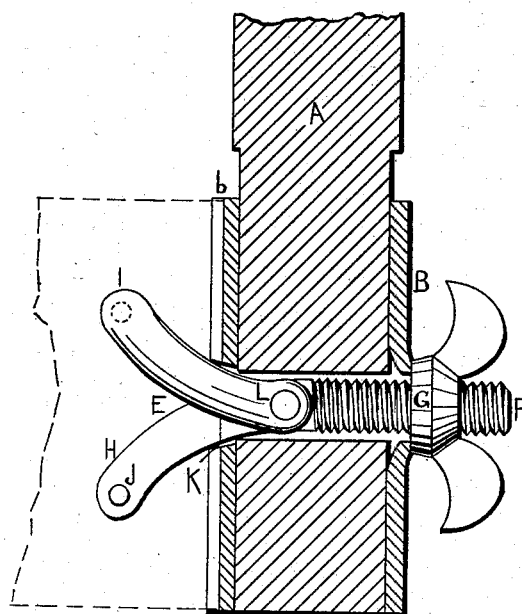


FIG. 3.

WITNESSES.  
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By

INVENTOR.  
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# UNITED STATES PATENT OFFICE.

CAREY W. KNAPP, OF GENEVA, OHIO.

## SAW-HANDLE.

SPECIFICATION forming part of Letters Patent No. 261,932, dated August 1, 1882.

Application filed May 1, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, CAREY W. KNAPP, of Geneva, in the county of Ashtabula and State of Ohio, have invented a certain new and improved Saw-Handle; and I do hereby declare that the following is a full, clear, and complete description thereof.

The nature of my improvement relates to a crosscut-saw handle, the purpose of which is to readily adjust the saw at various angles, as the nature of the case may require, and securing the saw to the handle by means of a jointed bifurcated clamping-bolt provided with a thumb-nut.

Screw-clamps with bifurcated ends have been heretofore used for clamping saw-handles. The novelty, however, of my device consists mainly in having the arms jointed to the screw-stem.

That the invention may be more fully known and understood, reference will be had to the following specification, and to the annexed drawings, making part of the same, in which—

Figure 1 is a side view of the handle attachment; Fig. 2, a top view, and Fig. 3 a section in the line *xx*, Fig. 2.

Like letters of reference refer to like parts in the several views.

A general view of the handle attachment is shown in the drawings, in which *A* is the wood part of the handle, to which is fitted the clamping-plate *B* on one side and the grooved plate *C* on the other, Fig. 1. In the plate *C* are a series of radial grooves, *a b*, Fig. 2. The grooves *a* are for the purpose of receiving the end of the saw to admit of the blade being turned at any desired angle and retained in the groove by means of the bifurcated clamping-bolt *E*, Fig. 3, the stem *F* of which passes through the handle *A*, and is threaded to receive the thumb-screw nut *G*. To the upper end of the stem *F* are jointed two arms, *H I*, and near the end of each arm is a pin, *J*.

In attaching the saw to the handle it is placed between the two arms *H I*, and the pins *J* are received in corresponding holes in the saw-blade, as indicated by the dotted lines in Fig. 3. On screwing up the nut *G* the arms *H I*, which are pivoted or jointed at *L* to the stem *F*, one on each side, as indicated in Figs. 2 and 3, are drawn down into the grooved plate *C*. By means of the arms *H I*, jointed to bolt *F*,

said pins *J* are adjustable so as to enter the holes commonly made in crosscut-saws, whether the holes vary in distance from the edge of the saw or the end of saw-blade. This jointing of the arms to the stem causes them to approach from the diverging position seen in Figs. 1 and 3 toward a straight line with the stem *F*. This drawing in of the arms into the hole *K* causes the pins *J* to grip tightly into the holes in the saw-blade, thus holding the saw firmly in the groove in which it may be placed.

In case the saw is hung in line with the handle, the end of the blade would be placed in groove *b*, in which position it represents a crosscut-saw. This position may be changed so that the blade will be in an angular relation to the handle by placing the end of the saw in one of the grooves *a*. This relation may be at right angles to the handle, which would admit of the saw being used with the blade in a horizontal plane and the handles at right angles thereto, which would render the work much easier and more quickly done than by the ordinary crosscut saw. This mode of hanging or attaching the saw to the handles renders it very convenient for felling standing trees and other horizontal sawings. By placing the saw in any of the other radial grooves the handle can be perpendicular while the saw is running at the desired angle, which is convenient in cross-cut sawing when one end of a log is elevated.

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

1. The arms *H I*, jointed to the threaded stem *F*, in combination with the radial grooved plate and clamp-plate, substantially as and for the purpose set forth.

2. In saw-handles, the screw-stem *F*, extending through the handle, provided at one end with a thumb-nut, and the other jointed to the arms *H I*, in combination with a clamping-plate on one side and a radial grooved plate on the other, constructed and arranged substantially as and for the purpose set forth.

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

CAREY W. KNAPP.

Witnesses:

J. H. BURRIDGE,  
R. C. SIMPSON.