

H. DISSTON.
CROSS-CUT SAW HANDLES.

No. 179,282.

Patented June 27, 1876.

Fig 1.

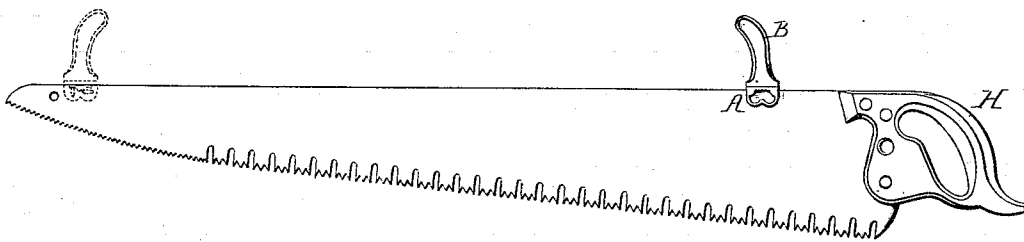
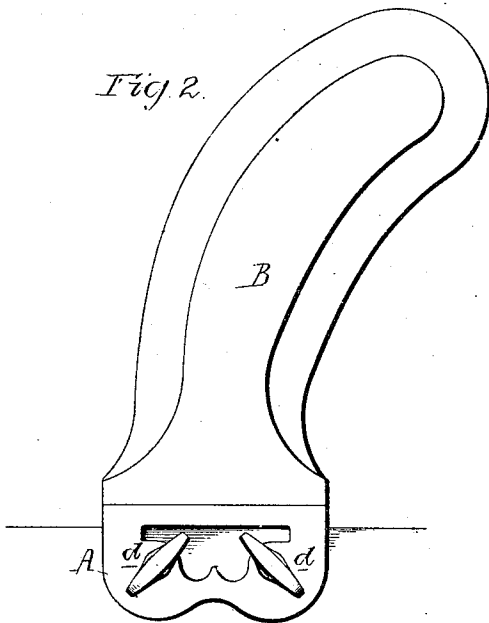
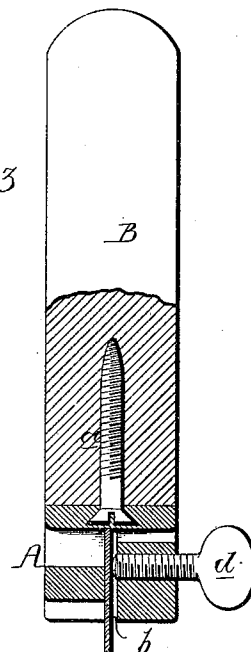


Fig 2.



Witnesses,
Harry Lawson Jr.
Harry Smith

Fig 3.



Henry Disston
by his Attorneys
Horton and Co.

UNITED STATES PATENT OFFICE.

HENRY DISSTON, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN CROSSCUT-SAW HANDLES.

Specification forming part of Letters Patent No. 179,282, dated June 27, 1876; application filed April 29, 1876.

To all whom it may concern:

Be it known that I, HENRY DISSTON, of Philadelphia, Pennsylvania, have invented an Improvement in Crosscut-Saw Handles, of which the following is a specification:

The object of my invention is to facilitate the manipulation of one-man crosscut-saws by providing the same with an additional handle, which can be adjusted on the blade to any position which the convenience of the operator may suggest.

In the accompanying drawing, Figure 1 is a side view of a one-man crosscut-saw with my improvement; Fig. 2, a side view of the supplementary handle, and Fig. 3 a sectional view of the same.

The handle consists of a metal clamp, A, secured to the wooden gripe B by a screw, *a*. The clamp has a slot, *b*, adapted to the blade D, and two thumb-screws, *d d*, serve to bind the clamp securely to the said blade. The saw is provided with the usual handle H, which the operator grasps with one hand, the other hand grasping the supplementary handle, which enables him to steady and control the saw, and to operate the same with better effect than the single handle H, even if the latter be large enough for both hands.

The supplementary handle can be adjusted to any position on the blade which may be most convenient for the operator, and secured after adjustment, or the handle may be entirely detached from the blade; or, should a second operator be at hand to render aid in manipulating the saw, the supplementary handle can be clamped to the blade near the outer end of the same, as shown by dotted lines in Fig. 1, when the saw can be used in the same manner as an ordinary two-man crosscut-saw.

I prefer to connect the gripe B to the clamp A in the manner described, since it permits the said gripe to be turned on the clamp to different angles in respect to the line of thrust, to suit the grasp of the operator.

I claim as my invention—

The within-described supplementary handle, consisting of the gripe B, clamp A, and set-screws *d*, all combined and adapted to the blade of a saw, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HENRY DISSTON.

Witnesses:

A. H. SHOEMAKER,
GEO. G. GAUDY.