

(No Model.)

S. N. HALL.
SAW HANDLE.

No. 595,438.

Patented Dec. 14, 1897.

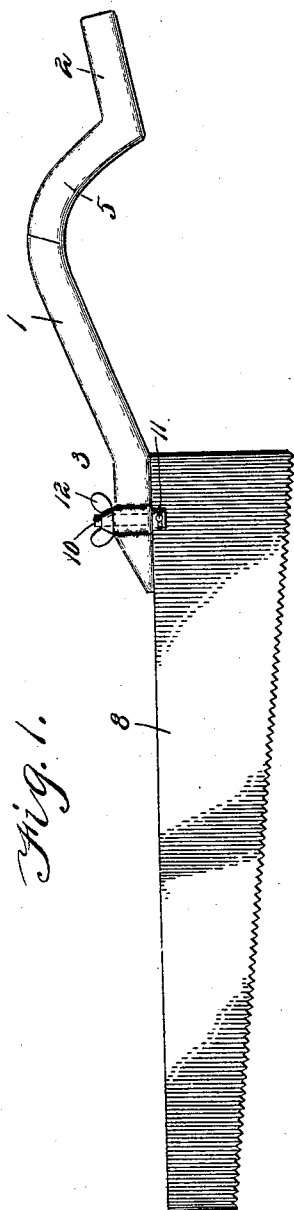


Fig. 2.

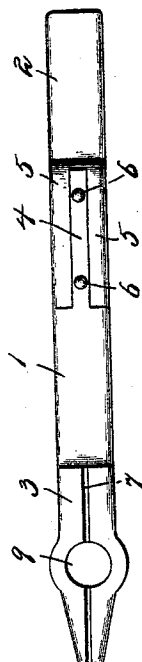
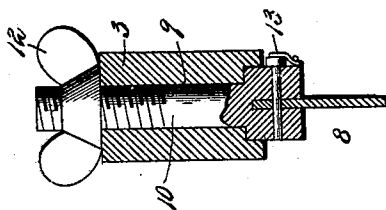


Fig. 3.



Witnesses

Milton O'Connell,
Victor J. Evans

Inventor

Sam Norman Hall,

By John Wedderburn. Attorney

UNITED STATES PATENT OFFICE.

SAM NORMAN HALL, OF HOLLY GROVE, ARKANSAS.

SAW-HANDLE.

SPECIFICATION forming part of Letters Patent No. 595,438, dated December 14, 1897.

Application filed April 29, 1897. Serial No. 634,316. (No model.)

To all whom it may concern:

Be it known that I, SAM NORMAN HALL, of Holly Grove, in the county of Monroe and State of Arkansas, have invented certain new and useful Improvements in Saw-Handles; 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 appertains to make and use the same.

The invention relates to a novel construction of saw-handle, whereby the twisting of the wrist of the operator incidental to the use of saws having the well-known construction of handle in common use is avoided and a consequently more comfortable manipulation of the saw obtained.

It consists in a handle made in a curved arching form intermediate the handpiece or grasp and the seat for or point of attachment of the saw-blade, with the latter set at an inclination or in slightly-oblique relation to the handpiece, whereby the action of the saw can be more readily observed while the saw-handle is moved back and forth in right lines and the twisting strain on the wrist referred to avoided.

It will be understood from the following description and claims, reference being had to the accompanying drawings, in which—

Figure 1 represents a side elevation of the handle, showing a saw-blade applied thereto. Fig. 2 is a bottom view of the handle. Fig. 3 is a detail sectional view showing the means for connecting the saw-blade to the handle.

1 represents the body or main portion of the handle, 2 the handpiece or grasp secured to one end of said body portion, and 3 the piece at the opposite end of the body portion 1 to which the saw is connected, as will appear. Preferably the main or body portion of the handle is made of metal and at its inner end adjacent to the handle is provided with a curved extension in the form of a tongue 4, adapted to enter the slot or between parallel upturned arms 5 on the adjacent end of the handpiece or grasp 2. The latter is preferably made of wood, and the curved extension or tongue 4 upon the adjacent end of the body portion 1 is secured in the bifurcated end of the handle by means of rivets 6 or in

any suitable manner. The saw-seat extension 3, it will be seen, is slightly inclined upward from the plane of the handpiece 2 and is provided upon its lower face with a groove 7 for the reception of the back of the saw-blade 8. Said seat or extension of the body portion 1 is provided near the center of the saw groove or seat with a vertical perforation 9, adapting it to receive a headed bolt 10, the head of which is bifurcated to admit the saw-blade, which may be secured therein by means of a suitable thumb-screw 11, which, in connection with the groove 7, firmly holds the saw in place.

The upper end of the bolt 10 is screw-threaded and provided with a thumb-nut 12, by the adjustment of which the saw is drawn snugly within the groove 7. Instead of the thumb-screw 11 for holding the saw-blade in place through a perforation therein a headed pin may be used, adapted to be held in place by means of a spring 13, secured to one side of the headed bolt 10, as indicated.

By reason of the arching form given to the body of the handle or to the central portion thereof and the bifurcated extension of the handpiece, as indicated, and the angular relation of the saw-seat thereto, the saw is given a slightly-upward inclination from the plane of the handpiece or grasp 2, such as serves to facilitate the observation of the operation of the saw and to relieve the hand in the back-and-forth movement of the saw from the twisting strain incident to the use of the saw-handle as ordinarily constructed.

The handle is more particularly designed for use in connection with the common or well-known rip or crosscut saw blade.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. A saw-handle composed of an arched body intermediate the saw-seat and the handle, the handle thereof projecting from the rear end of the body and having an upward inclination relative to the plane of the saw-seat, substantially as described.

2. In a saw-handle, the combination with the curved or arched body portion 1 thereof, of the saw seat or socket 3 at one end of said body portion, and means for securing the saw

therein, and a handpiece 2 at the opposite end of said body portion, the latter extending in a right line rearwardly and upwardly from the body portion relative to the plane of the saw-seat at the opposite end thereof, substantially as described.

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

SAM NORMAN HALL.

Witnesses:

M. A. PATTERSON,
A. K. ROBERTS.