J. R. ELDRIDGE.

HANDLE FOR CROSSCUT SAWS.

APPLICATION FILED MAY 25, 1911.

1,009,900. Patented Nov. 28, 1911.

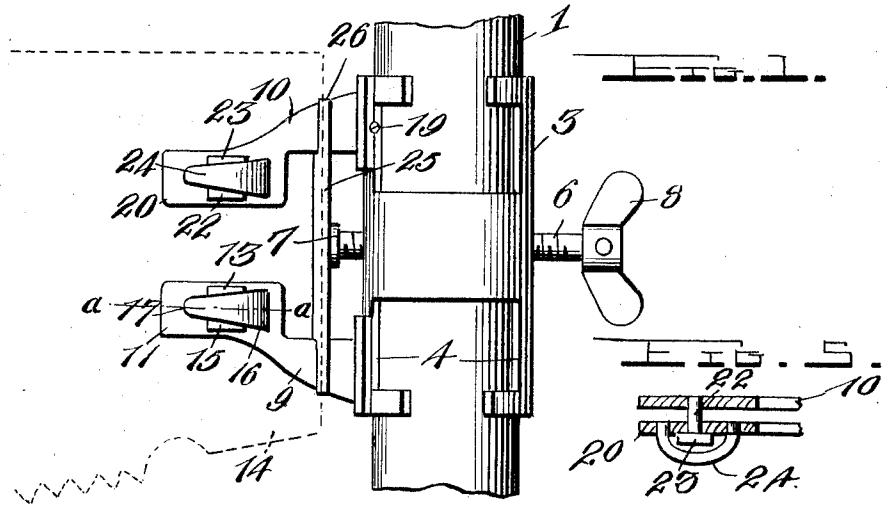


FIG. 1.

FIG. 5.

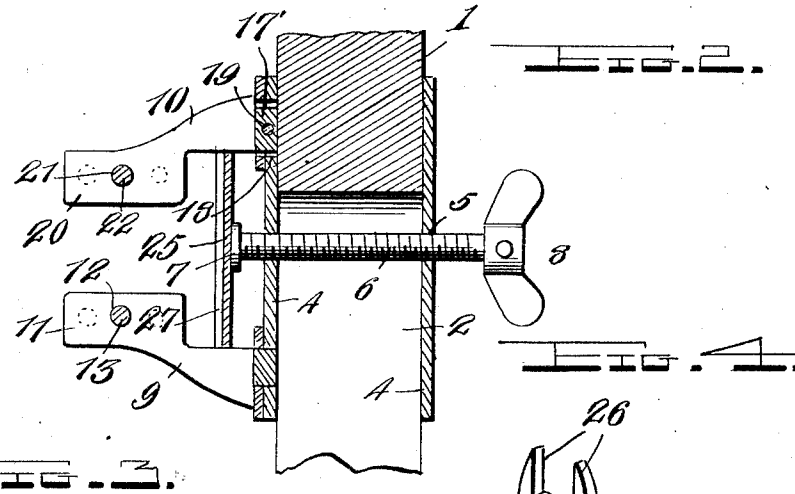


FIG. 2.

FIG. 4.

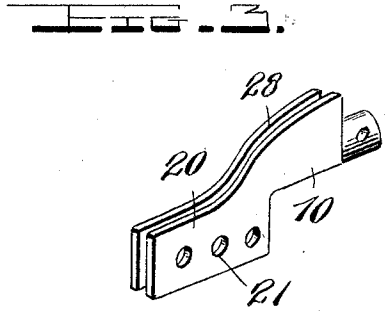
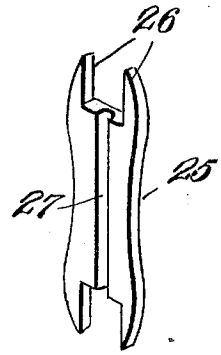


FIG. 3.



Inventor

John R. Eldridge,

Witnesses

Chas. L. Griesbauer.

H. E. Coleman,

By Watson E. Coleman,

Attorney

UNITED STATES PATENT OFFICE.

JOHN R. ELDRIDGE, OF HILHAM, TENNESSEE.

HANDLE FOR CROSSCUT-SAWS.

1,009,900. Specification of Letters Patent. Patented Nov. 28, 1911.

Application filed May 25, 1911. Serial No. 629,313.

To all whom it may concern:

Be it known that I, JOHN R. ELDRIDGE, a citizen of the United States, residing at Hilham, in the county of Overton and State of Tennessee, have invented certain new and useful Improvements in Handles for Crosscut-Saws, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to new and useful improvements in handles for cross-cut saws and has for its object to provide a handle with novel clamping means whereby it can be readily and easily removed from the saw or attached thereto.

Another object of my invention is to provide a device of this character which will possess advantages in points of efficiency, durability, is inexpensive of manufacture and at the same time is simple in construction and operation.

With the foregoing and other objects in view the invention consists in the novel features of construction and combination and arrangement of parts hereinafter described, pointed out in the claim and shown in the accompanying drawings, in which—

Figure 1 is a side elevation of one end of a saw, showing my improved handle applied thereto; Fig. 2 is a vertical sectional view; Fig. 3 is a detail perspective view of one of the clamping members; and Fig. 4 is a detail perspective view of the clamping plate. Fig. 5 is a detail sectional view on the plane indicated by the line *a*—*a* of Fig. 1.

Referring more particularly to the drawings 1 indicates the handle, which is provided with a slot 2 formed in the lower end thereof. The socket 3 is provided on each end thereof with the T-shaped arms 4, which are disposed on each opposite side of the handle. Threaded into the openings 5 in the socket is a clamping bolt 6 provided at one end with an engaging head 7 and having a winged head 8 secured on the other end to manipulate the same.

Secured to the arms 4 on one side of the handle are the clamping members 9 and 10. The member 9 is rigidly secured in one of the arms 4, said member projecting outwardly and upwardly and provided with an offset end 11, said end having a threaded opening 12 formed therein adapted to receive the screw bolt 13 which is disposed through the end 11 of the clamping member and the end of the saw 13 to hold the same tightly within the clamp. The screw bolt 14 is provided with an enlarged head 15 to permit the easy manipulation of the same and a guard 16 is placed over said head to keep the bolt from coming out if loosened, said guard having its end disposed in an opening 17 in the side of the clamping member.

The member 10 is provided with a lug 17′ which is disposed through the opening 18 in the arm 4 and pivotally secured as shown at 19, said member projecting outwardly and downwardly and provided with an offset end 20, said end having a threaded opening 21 formed therein adapted to receive the screw bolt 22 which is disposed through the end 20 of the clamping member and the end of the saw 13 to hold the saw rigid.

The screw bolt 22 is provided with an enlarged head 23 to permit the easy manipulation of the same and a guard 24 is placed over said head to keep the bolt from coming out if loosened, said guard having its ends disposed in openings in the side of the clamping member.

A clamping plate 25 is employed having its ends bifurcated to form the arms 26 which are disposed upon each opposite side of the clamping members, said plate being slidably mounted on said members and provided with a vertically disposed groove 27 in its front face to receive the end of the saw, said saw having its upper and lower edges disposed in the longitudinal slots 28 in the clamping members 9 and 10.

In clamping the handle to the end of a saw, the end of the saw is placed in the slots 28 in the clamping members and the bolts 13 and 22 are then disposed through the openings in the ends of the clamping members and saw, and the plate 25 is then clamped tightly up against the end of the saw by means of the bolt 6, holding the saw rigidly within the clamp.

From the foregoing it will be apparent that a saw handle constructed in accordance with my invention can be readily and easily attached or detached from the ends of a saw.

While I have shown and described the preferred form of my invention it will be obvious that various changes in the details of construction and in the proportions may be resorted to for successfully carrying my invention into practice without sacrificing any of the novel features or departing from the scope thereof.

Having thus described my invention I claim:

In combination with a saw blade, a sleeve, a handle extending through the sleeve, clamping members attached to and projecting toward one side of the sleeve, said clamping members being bifurcated to receive the end of the saw blade and being each provided with a guide portion and with an offset forming a stop, a clamping plate having a groove in one side to receive the end of the saw and provided at its ends with bifurcations receiving the guide portions of the clamping members, so that the clamping plate is slidably engaged with the clamping members, and a clamping screw extending through the handle and the sleeve, in threaded engagement with the latter and bearing against the outer side of the clamping plate.

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

JOHN R. ELDRIDGE.

Witnesses:
J. R. CANNACK,
AUSTIN MASTERS.