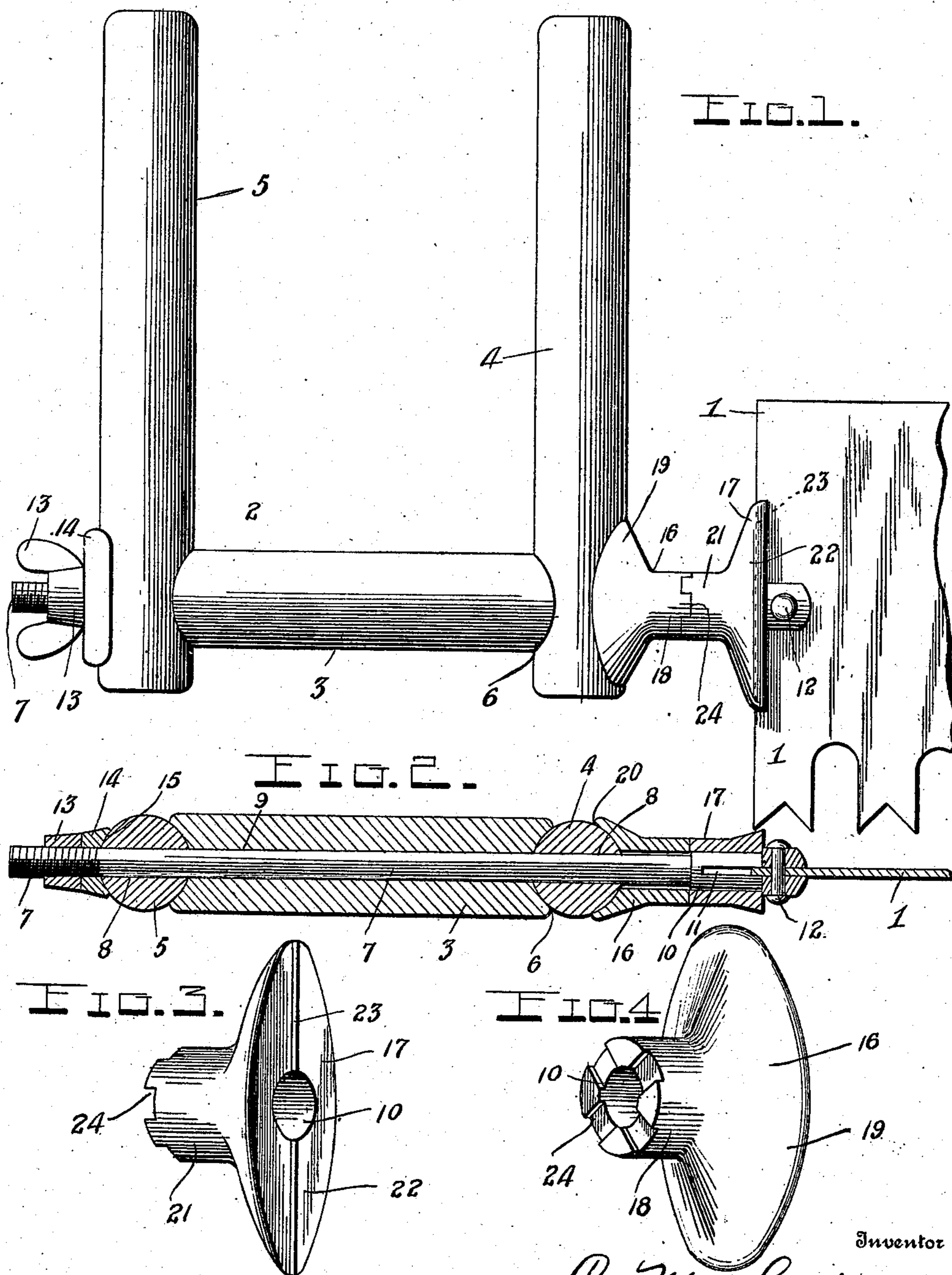


No. 881,188.

PATENTED MAR. 10, 1908.

C. M. LARKIN.
SAW HANDLE.

APPLICATION FILED AUG. 23, 1907.



Witnesses

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UNITED STATES PATENT OFFICE.

CHARLES M. LARKIN, OF BAKER CITY, OREGON.

SAW-HANDLE.

No. 881,188.

Specification of Letters Patent.

Patented March 10, 1908.

Application filed August 23, 1907. Serial No. 389,898.

To all whom it may concern:

Be it known that I, CHARLES M. LARKIN, a citizen of the United States, residing at Baker City, in the county of Baker and State of Oregon, have invented certain new and useful Improvements in Saw-Handles, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to improvements in handles for cross-cut saws and consists of the novel construction and the combination and arrangement of parts hereinafter described and claimed.

The object of the invention is to provide an improved handle of this kind which will be simple, strong, durable and comparatively inexpensive in construction, which may be readily adjusted with respect to the saw blade, and by means of which the saw may be effectively held and operated.

The above and other objects are attained in the preferred embodiment of the invention illustrated in the accompanying drawings in which

Figure 1 is a side elevation of my improved saw handle showing it applied to one end of a cross-cut saw; Fig. 2 is a longitudinal section taken on the plane indicated by the line 2—2 in Fig. 1; and Figs. 3 and 4 are perspective views of the two adjustable and coupling members.

In the drawings 1 denotes a portion of the saw and 2 my improved handle which is substantially U-shape in form so as to provide a longitudinal hand grip and two transverse or right angularly projecting hand grips 4, 5. The transversely or laterally projecting hand grips 4, 5 are cylindrical in form and are arranged at the opposite ends of the longitudinal hand grip 3, which latter is also of cylindrical form and has its ends formed with concave depressions 6 to receive the hand grips 4, 5. The three hand grips are secured together and united to the saw by a bolt or tierod 7 which extends through transverse apertures 8 in the hand grips 4, 5 and a longitudinal opening or bore 9 in the hand grip 3. The bolt 7 has at its inner end a cylindrical head or enlargement 10 which is formed with a longitudinal slot 11 to receive the saw 1 which latter is retained in said slot by a transverse rivet or similar fastening 12. The opposite or outer end of the bolt projects beyond the outer hand grip 5 and is screw threaded to receive a

thumb nut 13 and washer 14 which latter is in the form of a substantially rectangular plate disposed longitudinally upon the hand grip 5 and having a concaved inner face 15 to receive said hand grip. Arranged upon the inner end of the bolt between the saw and the inner hand grip 4 are two coupling members 16, 17 preferably in the form of castings. The member or blade 16 has at one end a small cylindrical portion 18 and at its opposite end a large elliptical portion 19 provided with a concaved outer face 20 to receive the hand grip 4. The other member or plate 17 has a cylindrical end 21 and an elliptical end or portion 22 formed with a longitudinal groove 23 to receive the saw. Formed upon the opposing ends of the portions 18, 21 of the two members are serrations or corrugations 24 which fit into each other and prevent rotary movement of one with respect to the other.

From the foregoing it will be seen that a handle constructed in accordance with my invention provides an effective means for holding and operating the saw. In sawing down a standing tree a most effective grip can be secured by grasping the handles 3, 5, and when the saw is used for cutting a horizontally disposed object the handles 4, 5 provide the more convenient and effective gripping means. Owing to the provision of the coupling members 16, 17 it will be seen that the handles may be adjusted angularly with respect to the plane of the saw so that they may be disposed at any desired angle. This adjustment is readily effected by loosening the thumb nut 13, turning the members 16, 4, 3 and 5, and then tightening the nut. It will be further noted that the handle is exceedingly simple, strong and durable in its construction and that the one bolt 7 provides an effective means for uniting the several hand grips and also securing the device to the saw.

Having thus described my invention, what I claim is:

1. A saw handle of substantially U-form comprising a longitudinal hand grip, two transverse hand grips, one being arranged at each end of the longitudinal grip and projecting at right angles therefrom, said longitudinal grip being formed with a longitudinal opening or bore and the two transverse or end grips being formed with transverse openings to aline with the one in the longitudinal grip, a clamping bolt extending through the

alined openings in said grips whereby the latter are rotatably mounted upon the bolt, and a coupling device arranged upon the bolt and consisting of two separable, non-rotatably engaged members, one being adapted to receive the saw and the other to receive the handle, substantially as and for the purpose set forth.

2. A saw handle comprising a hand grip portion formed with an opening, a screw bolt arranged in the opening in the hand grip portion whereby the latter may turn upon the bolt, one end of the bolt being formed with a head for the attachment of the saw and its other end with a threaded portion, a coupling device arranged upon the bolt and con-

sisting of two separable non-rotatably engaged members, one being formed with a groove or notch to receive the saw and the other being shaped to engage said hand grip portion, and a clamping nut arranged upon the threaded outer end of the bolt and adapted to clamp the parts together and against the saw, substantially as and for the purpose set forth.

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

CHARLES M. LARKIN.

Witnesses:

MARTIN D. CLIFFORD,
LEONARD HALE.