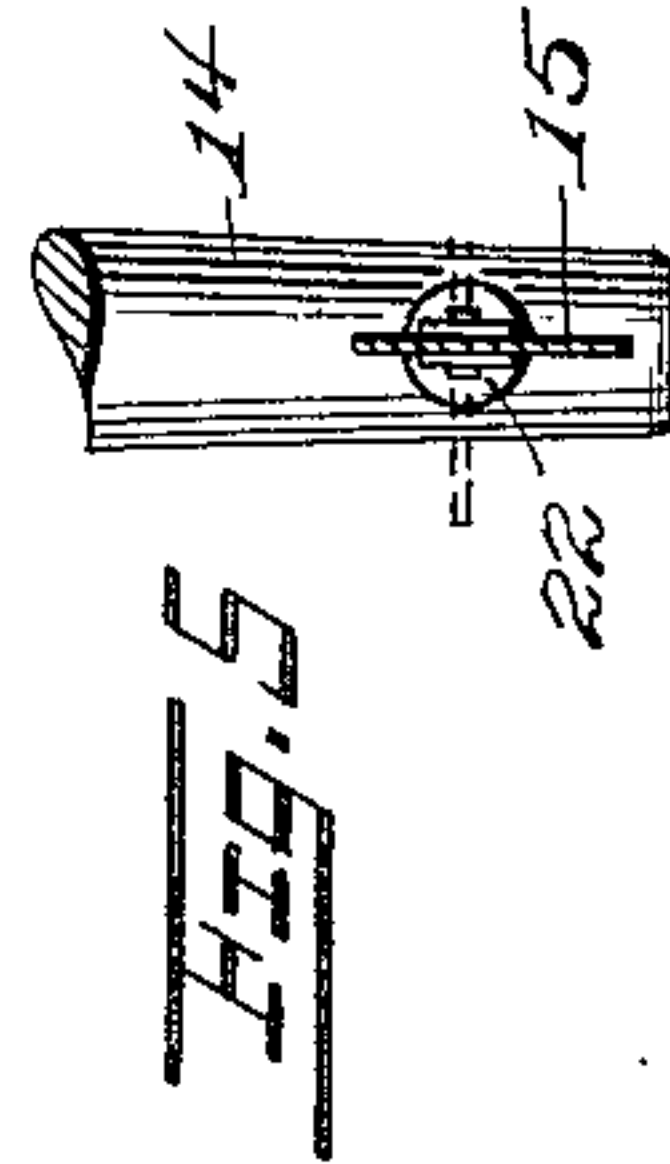
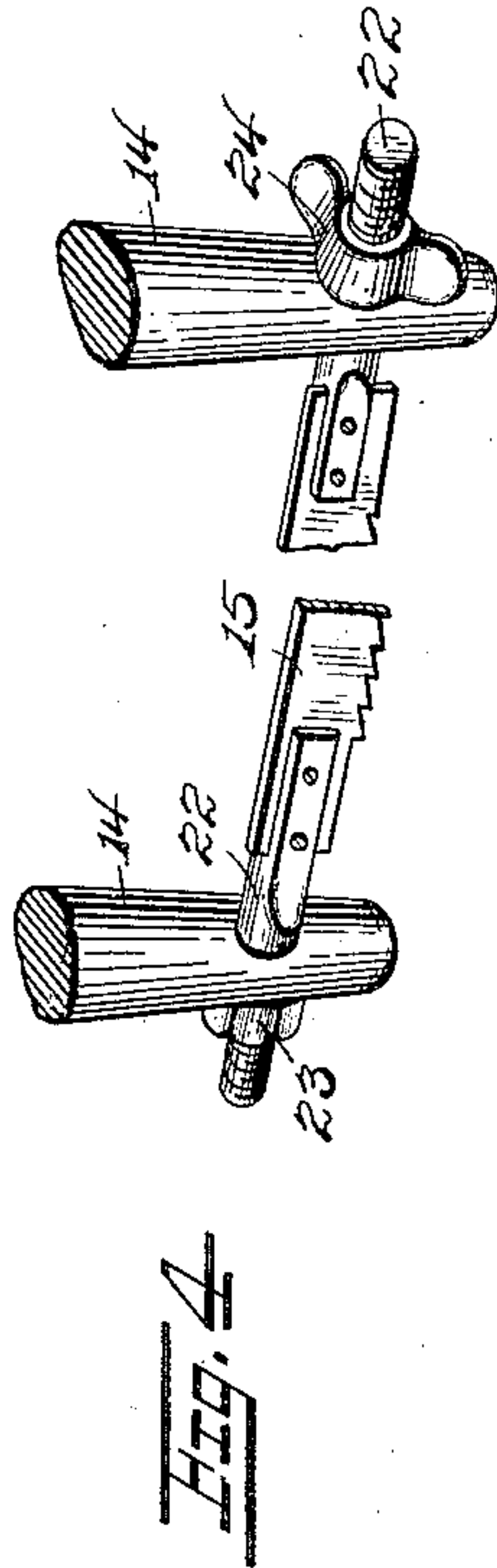
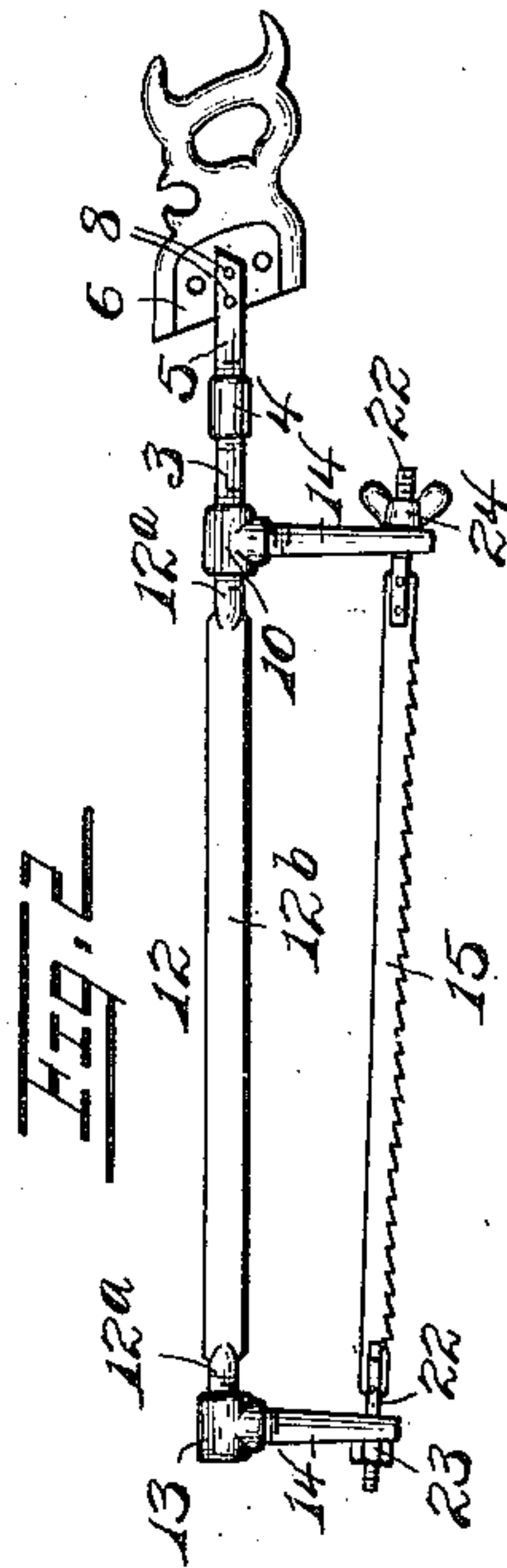
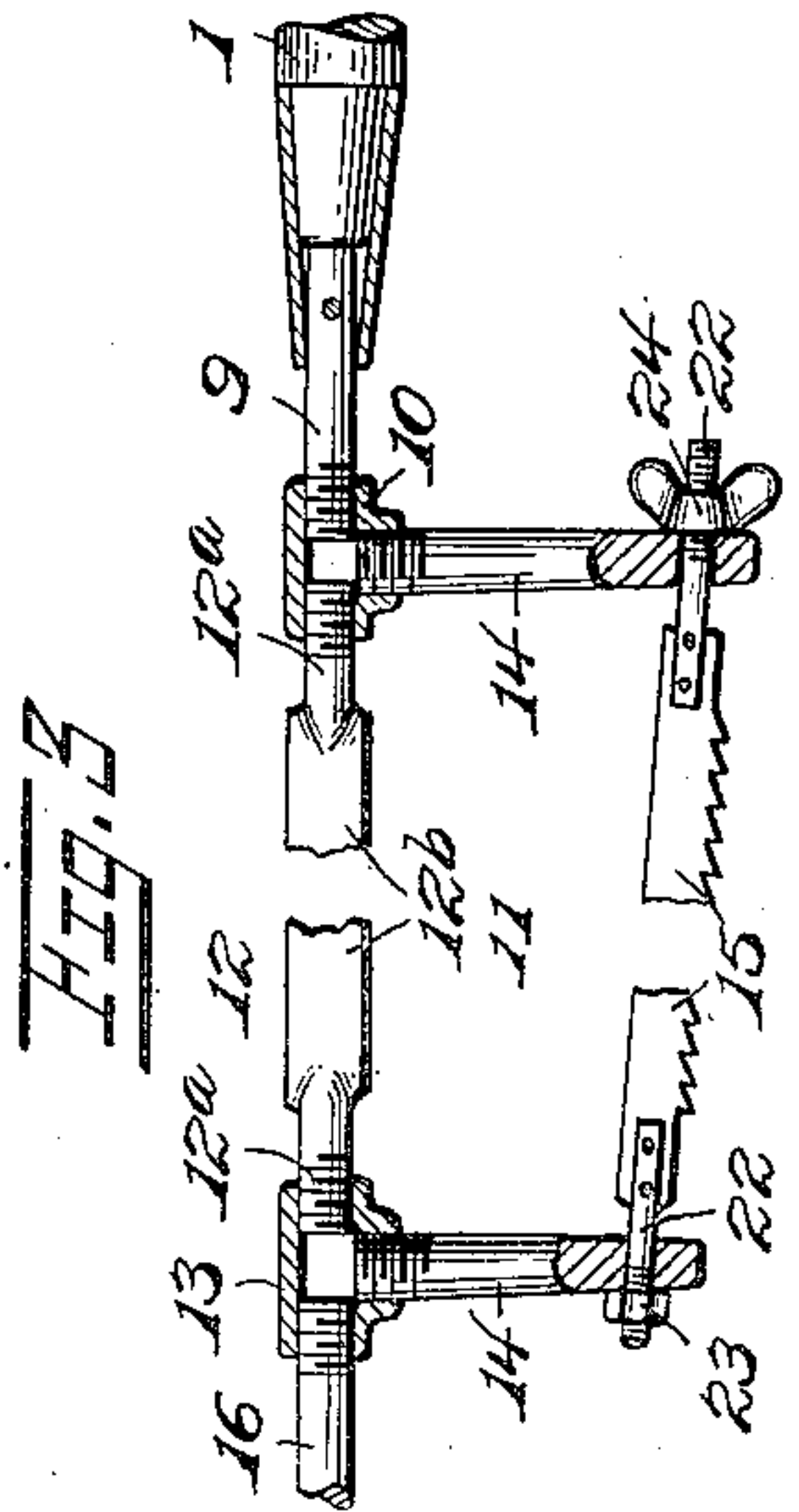
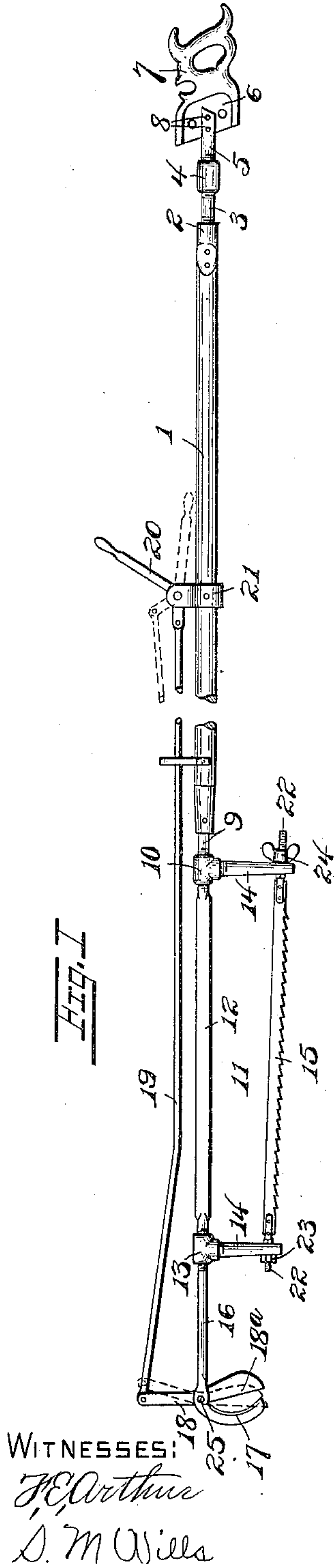


W. R. PAYNE.  
PRUNING IMPLEMENT.  
APPLICATION FILED JULY 7, 1908.

917,482.

Patented Apr. 6, 1909.



INVENTOR  
William R. Payne  
BY  
H. E. Luntz  
ATTORNEY.



# UNITED STATES PATENT OFFICE.

WILLIAM R. PAYNE, OF UNIONTOWN, WEST VIRGINIA.

## PRUNING IMPLEMENT.

No. 917,482.

Specification of Letters Patent.

Patented April 6, 1909.

Application filed July 7, 1908. Serial No. 442,432.

*To all whom it may concern:*

Be it known that I, WILLIAM R. PAYNE, a citizen of the United States of America, and resident of Uniontown, county of Wetzel, and State of West Virginia, have invented certain new and useful Improvements in Pruning Implements, of which the following is a specification.

This invention relates to improvements in pruning implements, and has for its primary object to provide in a single instrument a shearing or pruning knife, whereby small twigs or branches may be detached from a tree, and a saw whereby larger or heavier branches may be conveniently cut.

A further object of the invention is to provide a pruning implement of the character mentioned having disassociated saw and handle portions which are readily detachable from the device as used for pruning purposes and which are adapted to be associated or assembled together for forming a saw which may be employed for other purposes, as, for instance, for forming a meat-saw.

A still further object is to provide a pruning implement of the character mentioned wherein the saw-blade is adjustable to any angle with relation to the handle, thus admitting of the employment of the saw for detaching branches in places of restricted width, or places where there is insufficient space to admit of the saw being employed in its upright position.

With these and other objects in view, the invention finally consists in the particular construction, arrangement and combination of parts which will hereinafter be fully described, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a side elevation of the invention complete; Fig. 2 is a similar view of the saw and handle connected for use as a meat-saw; Fig. 3 is an enlarged longitudinal sectional view of the saw portion of the pruning implement; Fig. 4 is a detail perspective view showing the arrangement of the saw-blade and the means for adjusting the same; and Fig. 5 is a cross section of said blade.

Referring to said drawing, in which like reference characters designate like parts throughout the several views—1 indicates a pole having a socketed lower end 2 in which is screwed the threaded end of a short rod-section 3 whose opposite end is coupled by a threaded union or sleeve 4 to an end of

a short rod-section 5 whose opposite end is bifurcated for receiving therein the metal plate 6 of a handle 7 which is of the ordinary or usual saw-handle shape, said bifurcated end being riveted to said plate, as indicated at 8. The opposite end of the pole 1 has mounted therein one end of a short rod-section 9 whose opposite end is screwed within a T-coupling 10 which constitutes a part of a saw 11, comprising a saw-back or frame 12 having its opposite ends mounted in said coupling 10 and in a similar T-coupling 13, a pair of parallel outwardly-directed arms 14 mounted in said couplings, and a saw-blade 15 adjustably mounted in the outer ends of said arms.

Removably mounted in the coupling 13 is a rod-like member 16 terminated by an outwardly curved knife-blade 17, said blade having pivoted thereto a lever 18 having a knife-blade 18<sup>a</sup> which is adapted to coact with the blade 17 for cutting interposed twigs or branches. A rod 19 pivotally connected at one end to the outer end of said lever 18 lies substantially parallel to the pole 1 and has its opposite end pivotally connected to the point of a lever 20 pivotally mounted between the outwardly directed ends of a band 21 which encircles and is fixed to the pole 1 at a suitable point adjacent to the handle 7.

The saw-blade 15 has its opposite ends connected to threaded bolts or stems 22 which are projected through aligned holes or apertures in the outer ends of the arms 14. Said blades are held in fixed position by means of nuts 23 and 24, the latter being preferably of the wing-nut type, mounted upon the outer threaded ends of said stems 22. As is obvious, when it is desired to operate the saw in a close place, or in a place of limited width, the wing-nut 24 is retracted slightly and the saw-blade is turned to a position at a right angle to its normal upright position, as shown in dotted lines in Fig. 5, or to any desired intermediate angle, and the wing-nut is again tightened up to hold said blade in adjusted position.

When it is desired to employ the saw for other than pruning purposes, as, for instance, as a meat-saw, said saw is disconnected by first removing the pivot-screw 25 connecting the blades 17 and 18<sup>a</sup> of the pruning knife, removing the member 16 from the coupling 13, and then detaching the coupling 10 from the rod-section 9. The



handle 7 is disconnected from the pole 1 by removing the rod-section 3 from the socket 2 thereof. Then, said handle is connected to the saw by screwing the end of the rod-section 3 within the T-coupling 10.

The saw-back 12 preferably consists of a rod which, intermediate its threaded bolt-like ends 12<sup>a</sup> is flattened, as shown at 12<sup>b</sup>, to a thickness substantially corresponding with that of the saw-blade 15.

It will be noted that the saw 11 is interposed between the pole 1 and the member 16 whose terminal forms a part of the pruning knife, and that the saw-back 12 is in direct alinement with said pole 1 and member 16.

While I have herein described my invention more or less in detail, and in what I consider to be its simplest form, it is obvious that various changes and alterations within the scope of the appended claims may be resorted to without departing from the general spirit or scope of the invention. Hence, I do not desire to limit myself to the precise construction and arrangement of parts herein shown and described.

What I claim is—

1. In a device of the character described, a pole comprising a plurality of connected sections, one of the sections adjacent to the

upper end of the pole being flattened and constituting a saw-back, said section being removably connected to the adjacent sections by means of T-couplings, parallel outwardly-directed arms mounted in said couplings, a saw-blade mounted in said arms, a pair of coacting knife-blades carried on the upper end of said pole, and means for operating said blades.

2. In a device of the character described, a saw comprising a back, T-couplings on the opposite ends of said back, parallel arms mounted in said couplings at right angles to said back, a saw-blade mounted in the outer ends of said arms, a pole having a handle on its lower end mounted in one of said couplings, a rod-like member terminating in a knife-blade mounted in the other coupling, said pole, saw-back and rod-like member being in direct alinement, a pivoted knife-blade for coacting with the first mentioned blade, and means for operating the last mentioned blade.

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

WILLIAM R. PAYNE.

Witnesses:

H. E. DUNLAP,  
S. M. WILLS.