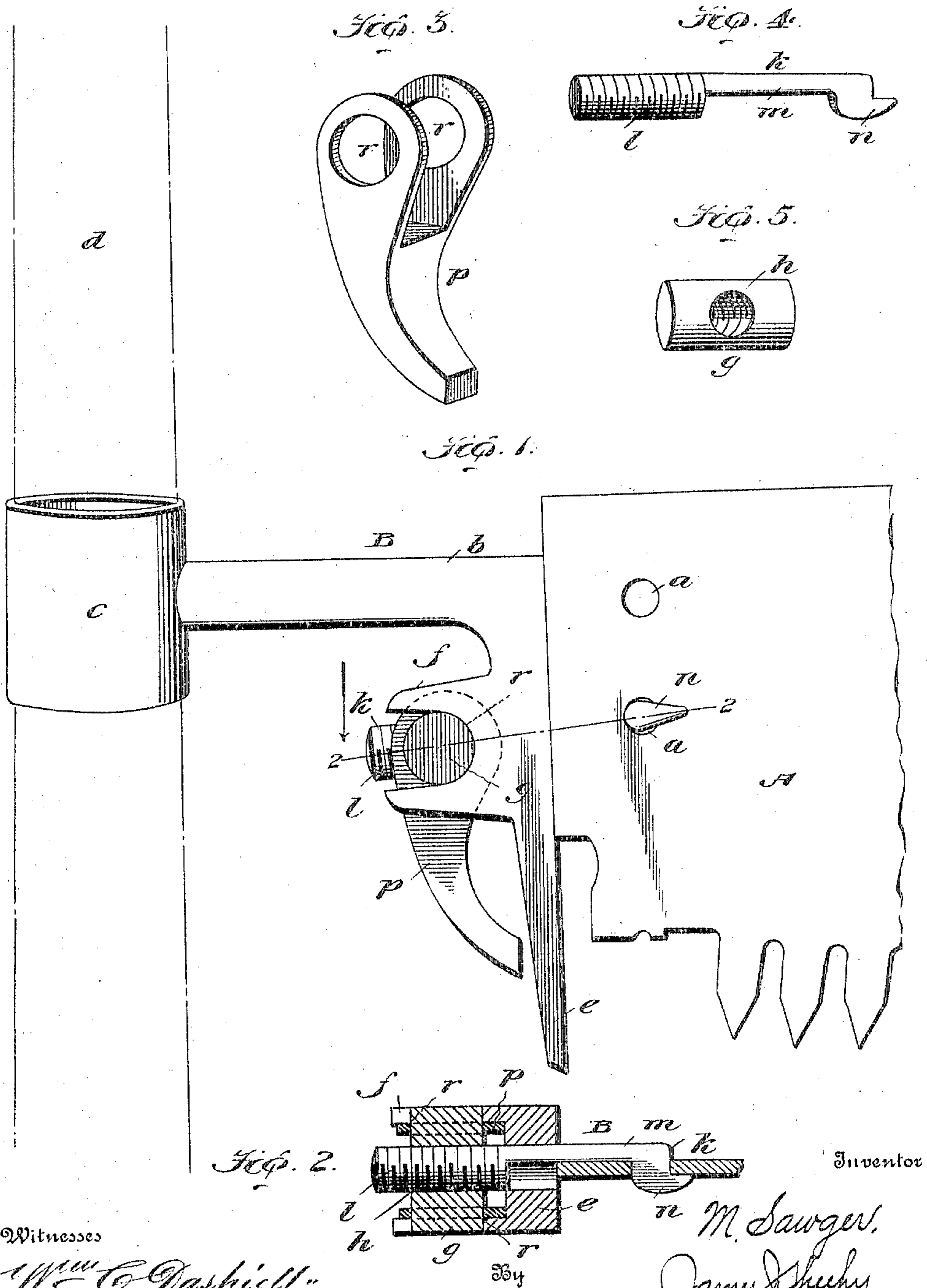


No. 816,883.

PATENTED APR. 3, 1906.

M. SAWGER.  
SAW HANDLE.

APPLICATION FILED AUG. 22, 1905.



Witnesses

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# UNITED STATES PATENT OFFICE.

MATTHEWS SAWGER, OF PORTLAND, OREGON, ASSIGNOR OF ONE-HALF  
TO EDWARD L. DONALDSON, OF PORTLAND, OREGON.

## SAW-HANDLE.

No. 816,883.

Specification of Letters Patent.

Patented April 3, 1906.

Application filed August 22, 1905. Serial No. 275,272.

*To all whom it may concern:*

Be it known that I, MATTHEWS SAWGER, a citizen of the United States, residing at Portland, in the county of Multnomah and State of Oregon, have invented new and useful Improvements in Saw-Handles, of which the following is a specification.

My invention pertains to crosscut-saw handles; and it consists in the peculiar and advantageous construction hereinafter described, and particularly pointed out in the claims appended.

In the accompanying drawings, forming part of this specification, Figure 1 is a side elevation of the handle constituting the present and preferred embodiment of my invention as the same appears when properly fixed to a crosscut-saw blade. Fig. 2 is a horizontal section taken in the plane indicated by the line 2 2 of Fig. 1 looking downwardly. Fig. 3 is a perspective view of the lever of the handle removed. Fig. 4 is a perspective view of the bolt removed, and Fig. 5 is a similar view of the nut which receives the bolt.

Similar letters designate corresponding parts in all of the views of the drawings, referring to which—

A is a portion of a crosscut-saw blade having two (more or less) apertures *a* adjacent to its end, and B is my novel handle as a whole. The handle B is best shown in Fig. 1, and it comprises a tang *b*, having a taper sleeve *c* to receive a stick *d*, and also having an arm *e* and bifurcated lugs *f* on the rear side of said arm, a cylindrical part *g*, arranged in the bifurcation of the lugs *f* and having a diametrical threaded bore *h*, a bolt *k*, having a threaded portion *l* and a reduced shank *m*, extending forwardly from the bolt and terminating in a head *n*, and a bifurcated cam-lever *p*, arranged to straddle the threaded portion *l* of the bolt *k* and having circular apertures *r*, receiving the part *g*.

In applying my novel handle to the blade A the tang *b* is arranged as best shown in Fig. 1—i. e., with its arm *e* against one end of the blade and depending below the toothed edge thereof, so as to serve as a guard, and the part *g* and the bolt *l* are arranged, as shown, relative to the blade A and the tang *b*, the head *n* of the bolt being engaged with one of the apertures *a* of the blade. With this done the cam-lever is moved down into the position shown in Fig. 1, when by acting against the

rear side of the arm *e* of the tang said cam-lever will draw and hold the handle tight against the blade, and this in such manner that there is no liability of the handle casually working loose or becoming disconnected. When, however, it is desired to disconnect the handle from the saw-blade, the same may be readily accomplished by throwing the cam-lever *p* upwardly, so as to render the handle loose on the blade, and then working the bolt *l* out of engagement with the blade. By simply adjusting the bolt *k* through the threaded bore *h* of the part *g* the handle may be quickly and easily adapted for connection to saw-blades having apertures at different distances from their ends.

I claim—

1. A crosscut - saw handle comprising a tang arranged to bear against one end of a saw-blade and having bifurcated lugs on its rear side, a cylindrical part disposed in the bifurcations of said lugs and having a diametrical threaded bore, a cam-lever having a bifurcated portion fulcrumed on the cylindrical part and arranged to bear against the rear side of the tang, and a threaded bolt extending through and engaging the threaded bore in the cylindrical part and also extending through an aperture in the tang and having a head arranged to engage an aperture in a saw-blade.

2. A crosscut - saw handle comprising a tang arranged to bear against one end of a saw-blade, a transversely-disposed part movable fore and aft in guides provided in the tang, a bolt carried by and disposed at a right angle to said part and having a head arranged to engage an aperture in a saw-blade, and a cam-lever fulcrumed on said transversely-disposed part and arranged to engage the rear side of the tang.

3. A crosscut - saw handle comprising a tang arranged to bear against one end of a saw-blade, a transversely-disposed part movable fore and aft in guides provided in the tang and having a diametrical, threaded bore, a threaded bolt extending through and engaging the thread of said bore and having a head arranged to engage an aperture in a saw-blade; said bolt being disposed at a right angle to the fore-and-aft-movable part, and a cam-lever fulcrumed on the fore-and-aft-movable part and bearing against the rear side of the tang.

4. A crosscut - saw handle comprising a  
tang arranged to bear against one end of a  
saw-blade and having guides open at their  
5 rear ends, a transversely-disposed part mov-  
able fore and aft in and removable from the  
said guides and having a diametrical, threaded  
bore, a threaded bolt extending through and  
engaging the thread of said bore and having a  
head arranged to engage an aperture in a saw-  
10 blade; the said bolt being disposed at a right  
angle to the fore-and-aft-movable part, and

a cam-lever fulcrumed on the fore-and-aft-  
movable part and bearing against the rear  
side of the tang.

In testimony whereof I have hereunto set 15  
my hand in presence of two subscribing wit-  
nesses.

MATTHEWS SAWGER.

Witnesses:

J. B. RYAN,  
B. S. PAYNE.