

(No Model.)

M. E. TRUE.
CROSSCUT SAW HANDLE.

No. 476,936.

Patented June 14, 1892.

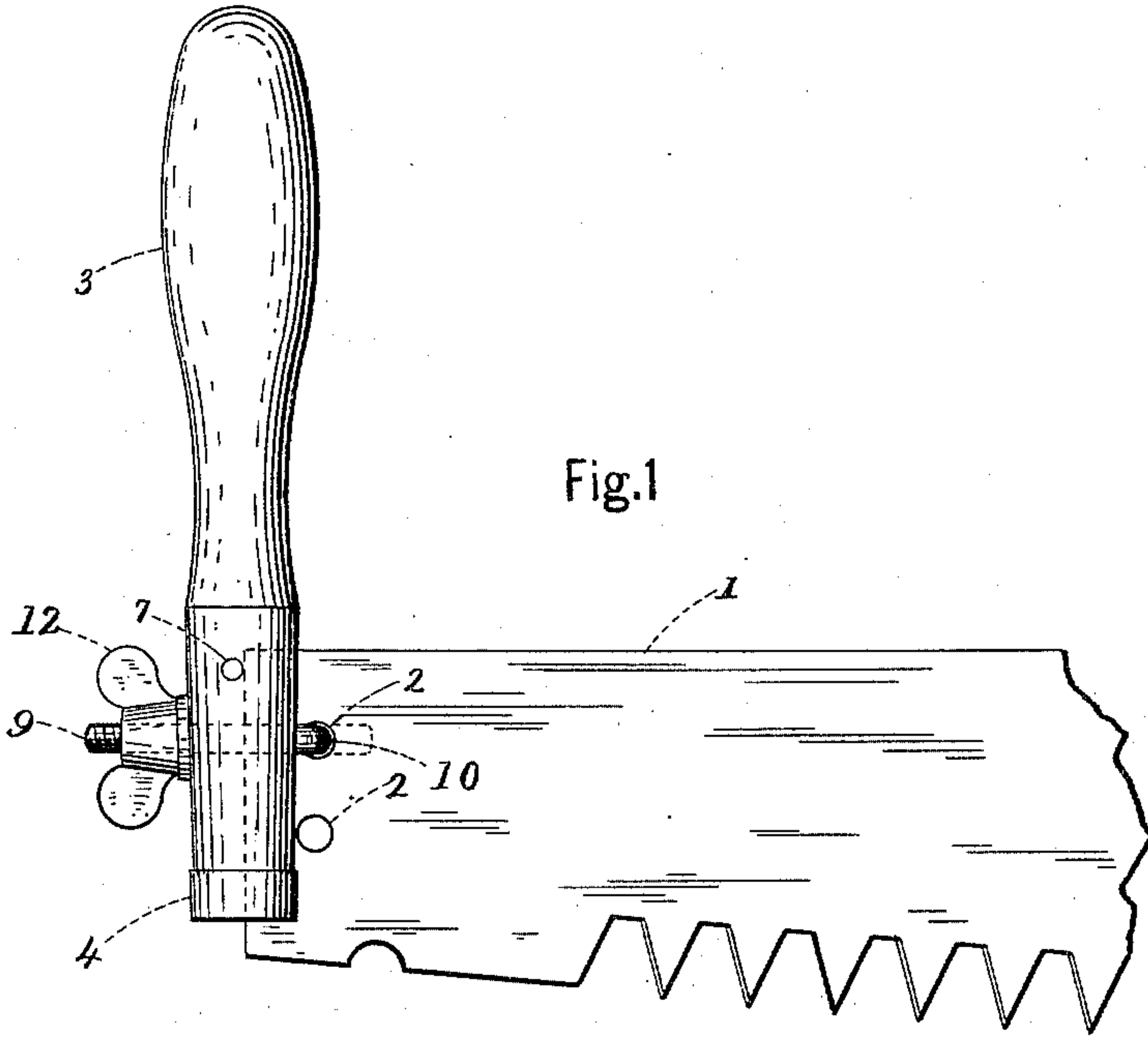


Fig. 1

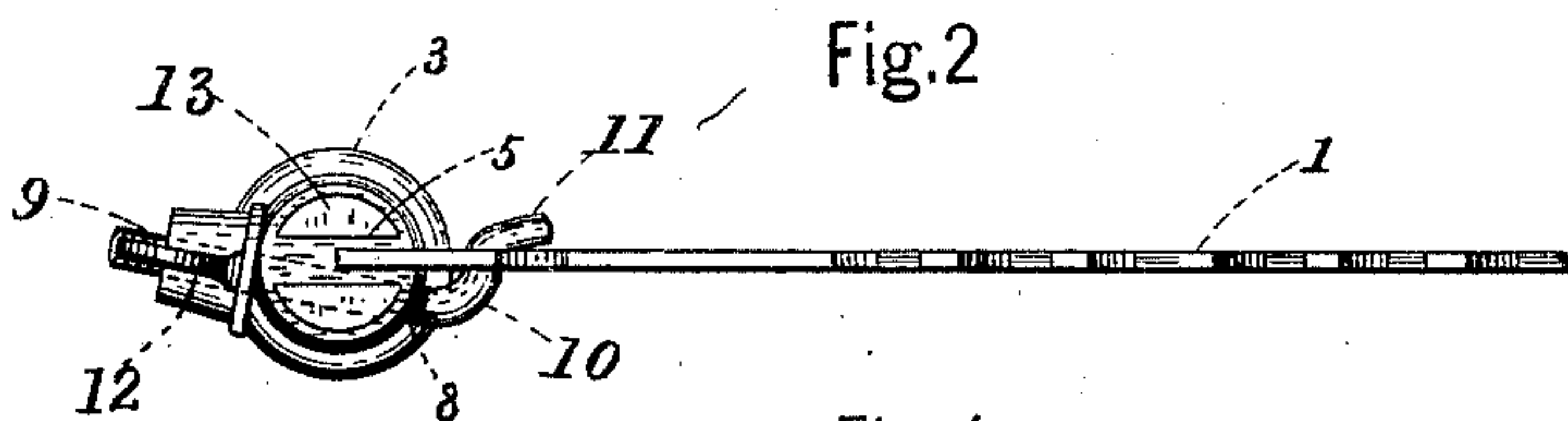


Fig. 2

Fig. 3

Fig. 4.

Fig. 5.

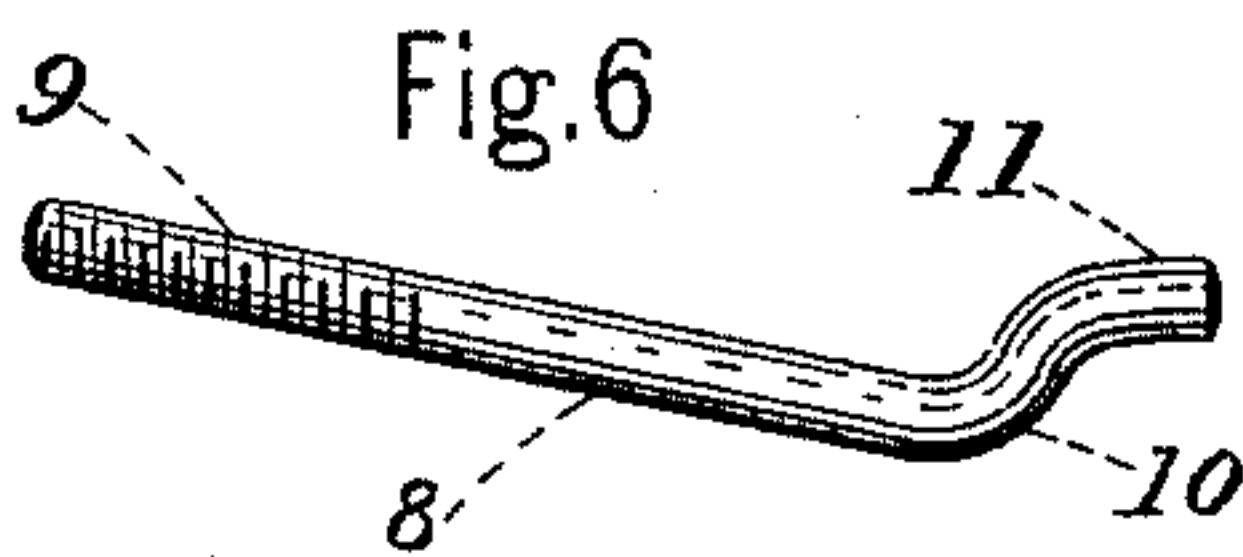
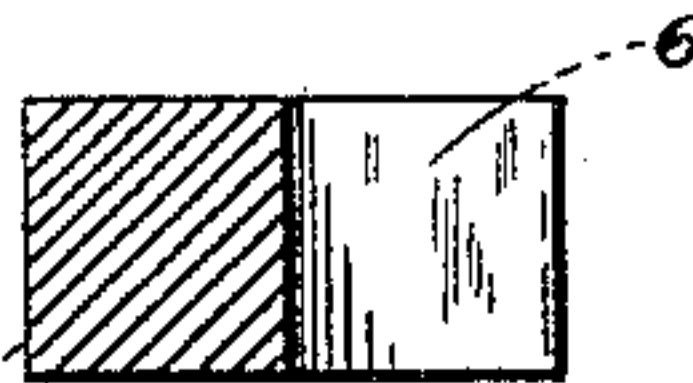
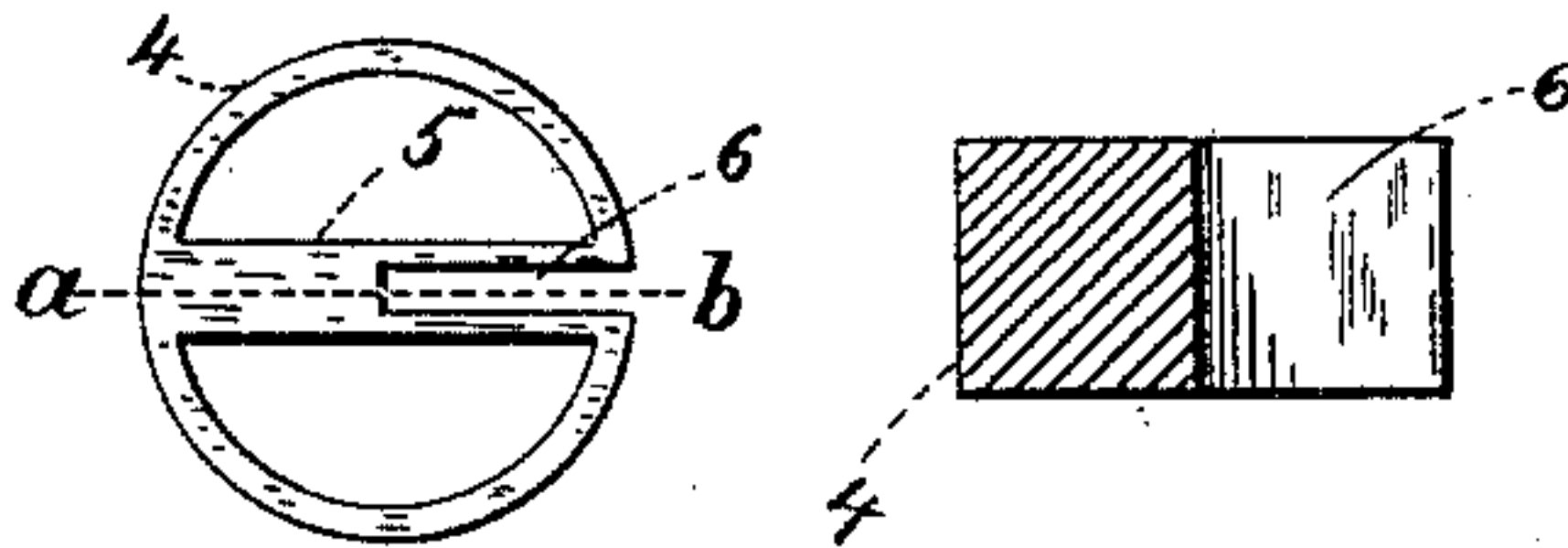


Fig. 6

Witnesses.

J. M. Caldwell.

J. H. Gilbert.

Moses E. True
Inventor.

By James Sangster
Attorney.

UNITED STATES PATENT OFFICE.

MOSES E. TRUE, OF BATAVIA, NEW YORK.

CROSSCUT-SAW HANDLE.

SPECIFICATION forming part of Letters Patent No. 476,936, dated June 14, 1892.

Application filed November 4, 1891. Serial No. 410,886. (No model.)

To all whom it may concern:

Be it known that I, MOSES E. TRUE, a citizen of the United States, residing at Batavia, in the county of Genesee and State of New York, have invented certain new and useful Improvements in Crosscut-Saw Handles, of which the following is a specification.

My invention consists in certain improvements in saw-handles whereby the saw is more securely held to its place in the handle, while at the same time it is easily attached or removed, all of which will be fully and clearly hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation showing the handle secured to the saw. Fig. 2 is a bottom view of Fig. 1, showing a similar view of the fastening attachment. Fig. 3 is a side elevation of the metallic ferrule. Fig. 4 is a face view of the same. Fig. 5 is a vertical central section in line *a b*, Fig. 4, through the metallic ferrule. Fig. 6 is a detached side elevation of the fastening-bar, the thumb-nut being omitted.

For a detachable crosscut-saw handle to be of practical use it is necessary that it should be firmly and rigidly secured to the handle while being used and the handle should be made so as to resist any side strain to which it may be subjected or sufficiently strong to prevent it from splitting or otherwise being rendered unfit for use.

Referring to the drawings, 1 represents the saw, which may be made in any well-known form. It is provided with the usual holes 2, by which it is secured to the handle 3. This handle 3 is provided with the usual central groove, in which the end of the saw fits, and to hold the lower end of the handle more firmly and prevent it from splitting and at the same time afford a firm back for the end of the saw to rest against and to keep it from moving laterally, I employ a metal ferrule 4. (See Figs. 4 and 5, where the construction of this ferrule is more clearly shown.) This ferrule 4 is provided with a metal portion 5, extending across centrally from one side to the other, and also with an opening 6, extending to the center in which the end of the

saw fits and rests. There is also a cross-bolt 7, against which the upper portion of the end of the saw rests and also for strengthening that portion of the handle.

The device for holding the handle in place is shown in Figs. 1, 2, and 6. It consists of a bent bar 8, preferably of steel, provided with a screw portion 9 at the rear end and at the opposite end with a double bend 10 and 11, which passes through the saw so as to let the end 11 rest against the side of it. (See Fig. 2.) This construction adds more than double the strength to it. If this bar 8 were made with a single bend or hook, as shown in my patent, No. 422,468, March 4, 1890, it will be seen that it would be much easier to draw it out, as there is nothing to prevent the hook from being bent back when sufficient strain is brought against it. The object of the present invention is to avoid this by the portion 11. The screw end of the holding-bar 8 is provided with a thumb-nut 12, by which it and the saw are drawn rigidly in place. The lower end 13 of the handle 3 is cut out across the center to allow the portion 5 of the ferrule to enter so that it can be driven on in place, substantially as shown in Figs. 1 and 2.

I claim as my invention—

1. The herein-described wooden saw-handle, having a longitudinal slot in its lower end to receive the end of the saw, a holding-bar adapted to pass through the handle and provided at one end with a double bend 10 and 11 to pass through a hole in the saw for holding it, and a thumb-screw nut on the opposite end for tightening the saw in place to the handle, substantially as described.

2. In a saw-handle provided with a longitudinal slot in its lower end to receive the end of the saw, the combination of a holding-bolt, a double bend 10 and 11 at the holding end of said bolt, a saw and thumb-nut at the opposite end, and a metal ferrule 4, having a central cross-piece provided with an opening to receive the saw, substantially as and for the purposes described.

MOSES E. TRUE.

Witnesses:

JAMES SANGSTER,
J. M. CALDWELL.