

C. F. SPOONER.

ATTACHING HANDLES TO CROSS-CUT SAWS.

No. 190,522.

Patented May 8, 1877.

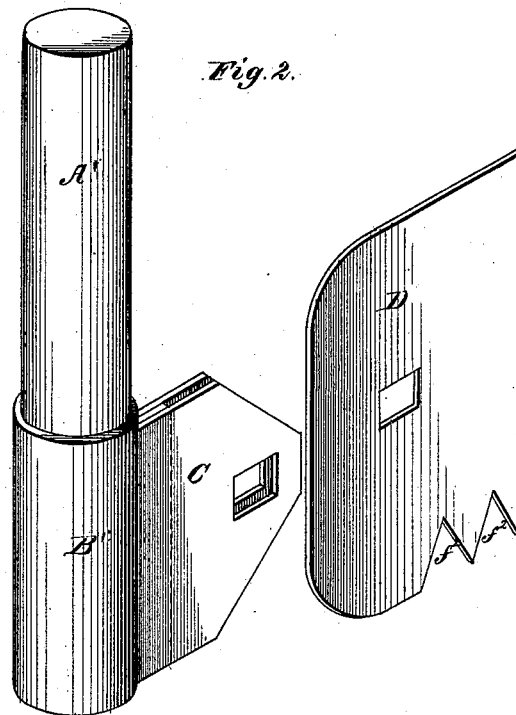
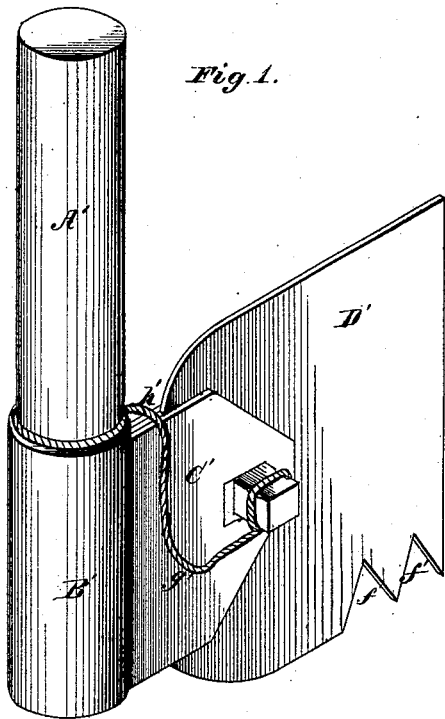
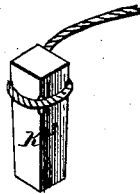


Fig. 3.



Witnesses.
Geo. Davis,
& Chas. Sherman

Inventor.
Charles F. Spooner.

UNITED STATES PATENT OFFICE.

CHARLES F. SPOONER, OF NEW BEDFORD, MASSACHUSETTS, ASSIGNOR OF ONE-HALF HIS RIGHT TO JAMES O. SHERMAN, OF SAME PLACE.

IMPROVEMENT IN ATTACHING HANDLES TO CROSSCUT-SAWS.

Specification forming part of Letters Patent No. **190,522**, dated May 8, 1877; application filed May 18, 1876.

To all whom it may concern:

Be it known that I, CHARLES F. SPOONER, of New Bedford, in the county of Bristol and State of Massachusetts, have invented a new and useful Improvement in Attaching Handles to Crosscut-Saws, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The object of my invention is to afford a means of quickly detaching the handles from the plate of the saw, and also to firmly attach them to it.

Figure 1 is a view of the end of the blade of a crosscut-saw, with the handles attached to it. Fig. 2 shows the blade detached. Fig. 3 shows a key and string or chain for attaching it to the handle to prevent the loss of the key.

A' is the handle. B' is the socket; C', the

ear; D', the saw; f' f', the teeth; g', the chain or string attached to the key; h', the shoulder; K³, key.

The several parts of the within-described invention being constructed as specified, the end of the blade of the saw is held or drawn back against the shoulder by means of the key, as shown, the operation of quickly detaching and firmly attaching may be noted. By removing the key the handle will be detached from the blade, and the mode of attaching will be seen without further specification.

I claim—

In combination, the ears C' C', shoulder h', and K³, all constructed and operating as and for the purpose specified and described.

CHARLES F. SPOONER.

Witnesses:

JNO. DAVIS,
I. OTIS SHERMAN.