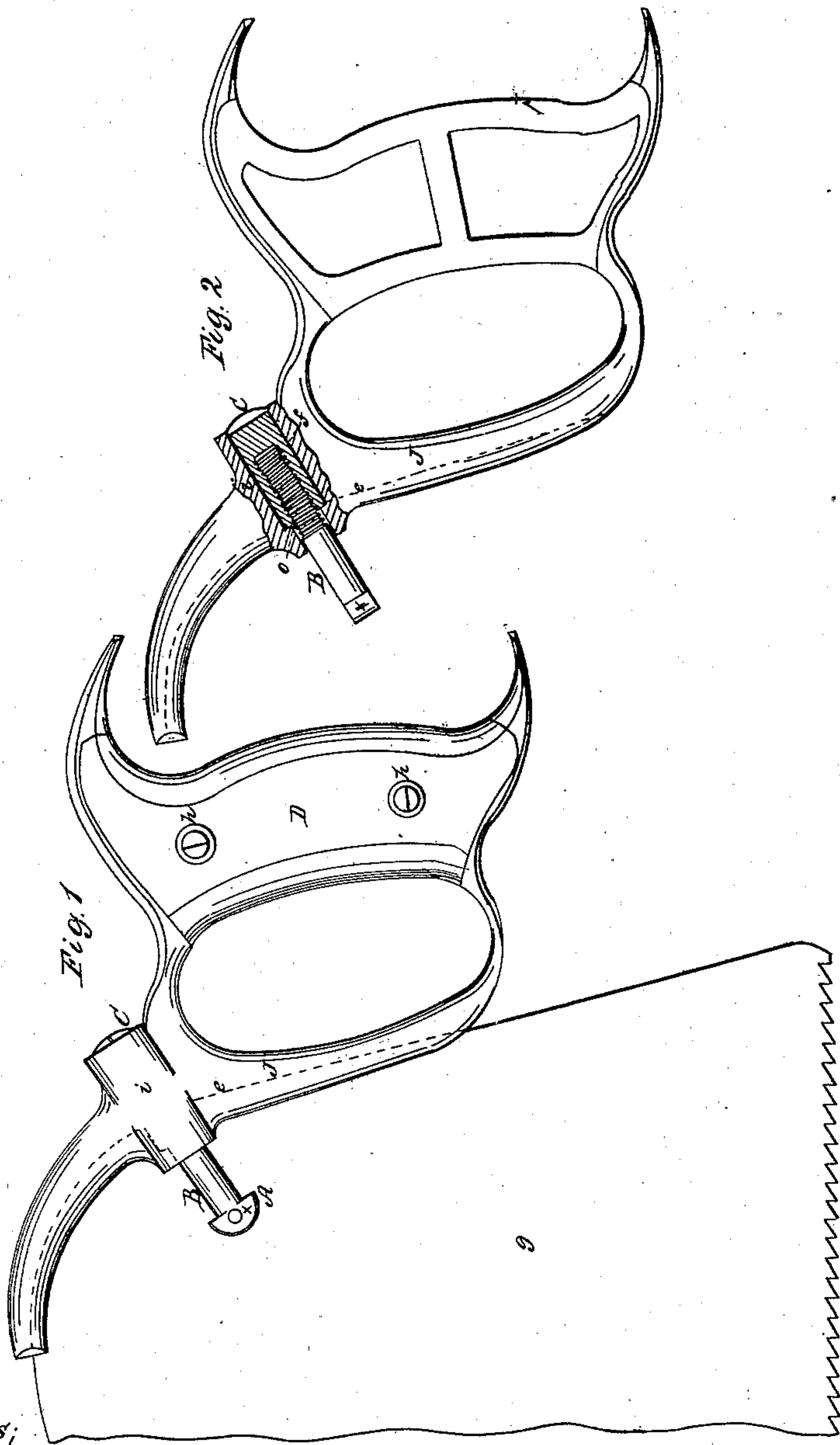


C. W. HUBBARD.  
SAW HANDLE.

No. 79,979.

Patented July 14, 1868.



Witnesses;  
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# United States Patent Office.

CHARLES W. HUBBARD, OF PITTSBURG, PENNSYLVANIA.

*Letters Patent No. 79,979, dated July 14, 1868.*

## IMPROVEMENT IN SAW-HANDLES.

*The Schedule referred to in these Letters Patent and making part of the same*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, CHARLES W. HUBBARD, of the city of Pittsburg, in the county of Allegheny, and State of Pennsylvania, have invented a new and useful Improvement in Saw-Handles; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in a new article of manufacture, to wit, a saw-handle constructed substantially in the form hereinafter described.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the accompanying drawings, which form part of my specification—

Figure 1 is a side elevation of my improvement in saw-handles, and represents the manner of securing the same to the saw-blade.

Figure 2 is a side elevation of the metal part of the handle, and represents the arrangement of the bolt and its screw-nut in the handle.

In the drawings, *g* represents a section of an ordinary saw-blade furnished with a slot, *A*, which in form and size corresponds to the form and size of the bolt *B*, one end of which is provided with screw-threads *o*, to which is fitted a screw-nut, *C*, which is placed in a recess, *f*, made in the part *i* of the handle *J*. The back end of the saw-blade *g* is fitted into a groove made in the front end of the handle *J*, as indicated by the dotted lines marked *e*. The part, *D*, of the handle which is grasped by the hand of the operator, is formed of wood, and is secured to the metal part, *J*, by means of screws or rivets *h*.

As the construction and arrangement of my improvement in saw-handles will be readily understood by the skillful mechanic, by reference to the accompanying drawings, I will therefore, without further description of its construction, proceed to describe its operation, which is as follows:

The bolt *B* is turned so that its head *x* will be in the position represented in fig. 2. The bolt *B* is then placed in the slot *A* of the saw-blade *g*, the back end of which is placed in the groove indicated by the dotted line *e*. The bolt *B* is then turned so that its head *x* will be in the position represented in fig. 1. The nut *C* is then turned by any suitable means until it and the bolt *B* have drawn the handle *J* and saw-blade *g* firmly and securely together.

It will be readily observed by the skillful mechanic that my improved saw-handle can be made of metal or wood, or of metal and wood combined, and secured to the saw-blade, substantially in the manner and by the means herein described; therefore I wish it clearly understood that I do not confine myself to any one form or arrangement of the several parts described, for the form and arrangement may be varied and like results obtained.

Having thus described the nature, construction, and operation of my improvement, what I claim as of my invention, is—

A new article of manufacture, to wit, a saw-handle, consisting of the part *J*, provided with a recess, *f*, for the nut of the bolt *B*, and with a groove adapted to the end of the saw-blade, said handle and its part *J* being made substantially in the form herein described and represented.

Witnesses:

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JAMES J. JOHNSTON.

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