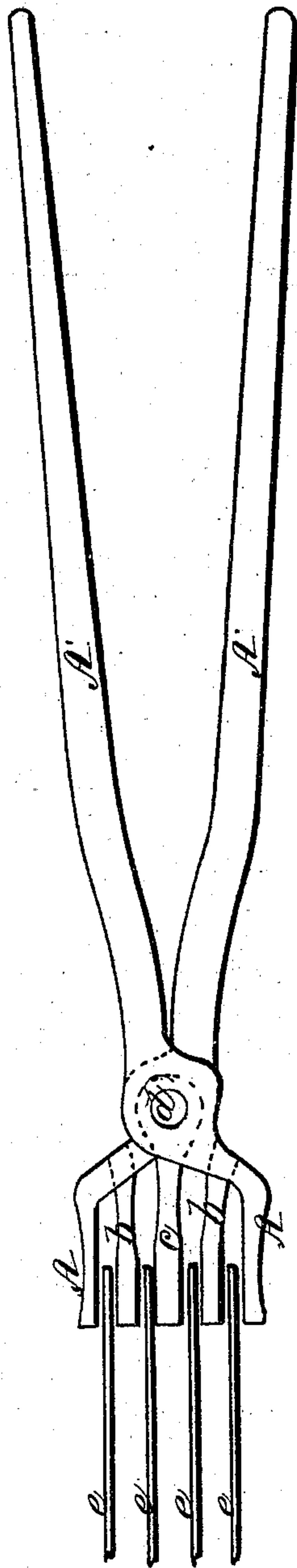


S. COLLINSON.

Tongs.

No. 70,413.

Patented Nov. 5, 1867.



Witnesses;
Jay Lyatt
Geo. H. Heath.

Inventor;
Samuel Collinson
by J. Fraser & Co.
Attys

United States Patent Office.

SAMUEL COLLINSON, OF BUFFALO, NEW YORK.

Letters Patent No. 70,413, dated November 5, 1867.

IMPROVEMENT IN TONGS.

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, SAMUEL COLLINSON, of the city of Buffalo, in the county of Erie, and State of New York, have invented a certain new and useful Improvement in Tongs; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

The object of my invention is the construction of a pair of tongs that will be capable of grasping and holding several articles at the same time, each being kept separate from the other. The invention consists in constructing tongs, more especially those designed for machinists' use, with one or more tongues pivoted or loosely riveted between the two ordinary jaws, in such a manner as to permit several articles, such as plates of iron or brass, to be inserted between them and the jaws, and one another, and be clamped and retained in place by closing the jaws in the ordinary manner.

In the drawing, which represents a plan view of my improved tongs, *A A* are the jaws, and *A' A'* the handles or levers of the same; *b b* are two tongues, which are secured to the base or back portion of the jaws by pivoting or loosely riveting, so as to permit a slight play or movement at the joint. *c* is a similar tongue, preferably pivoted between the two halves of the instrument by the ordinary pivot-bolt *d*, as shown. These tongues are constructed with suitable clamping faces, similar to the jaws *A A*, so as to enable pieces *e e e e* to be placed between them, and each firmly clamped and held separate in its proper relative position, as shown in red lines. A greater or less number of tongues may be employed, as required.

The advantages of my improvement are readily perceived. Especially in the manufacture for mowers and harvesters my improved tongs have been found by experiment to be of great utility, as four or more plates (according to the number of tongues employed) can be as readily held by one pair of tongs, while tempering them, as one can by the ordinary instruments in use. The variety of instances in which they may be economically employed are too obvious to require further mention.

What I claim as my invention is—

Constructing tongs, with two or more tongues, *b c*, for grasping several articles at the same time, arranged and operating substantially in the manner set forth.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

SAMUEL COLLINSON.

Witnesses:

J. HYATT,

ALBERT HAIGHT.