N. L. HATCH.

Fire Tongs.

No. 89,044. Patented April 20, 1869.

Fig. 1

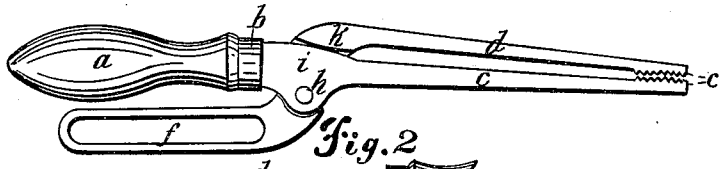
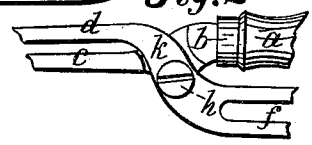


Fig. 2



Witnesses.

Henry C. Houston.

Wm. Frank Seavey.

Inventor.

N. L. Hatch

per Wm. Clapp & Brother.

United States Patent Office.

NEHEMIAH L. HATCH, OF CAPE ELIZABETH, MAINE.

Letters Patent No. 89,044, *dated April* 20, 1869.

STOVE-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, NEHEMIAH L. HATCH, of Cape Elizabeth, in the county of Cumberland, and State of Maine, have invented a new and useful Improved Stove-Tongs; and I hereby declare the following to be a full, clear, and exact description thereof, which will enable others to make and use my invention, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 shows a side view of one side of the said tongs.

Figure 2 shows a side view of a portion of the opposite side.

Same letters show like parts.

The purpose of my invention is to produce tongs, or nippers, for lifting covers from stoves, where the same are heated, &c., and cannot be conveniently manipulated by hand.

The tongs are composed of two arms, *a c*, *d f*.

c has a wooden handle, *a*, which is secured by the shank of the said arm entering the handle, and further held by the ferrule *b*.

The two arms are united by the rivet *h*.

At their outer end, at *e*, the arms are roughened or serrated, as illustrated in the drawing.

The arm *a c* is straight, or nearly so, being widened at *i*, to receive the rivet *h*.

The arm *d f* is curved at the point where the two arms are united by the rivet, so that when the part *d* is above *c*, the part *f* is below *a*.

k shows the place of curvature.

f is a metal handle, with a slot therein, into which the four fingers are to be inserted, the thumb and palm of the hand resting over the top of *a*, so that by moving the fingers upward or downward, the jaws at *e* can be closed or opened, as desired.

The arm *a c* is bent downward a little from the rivet *h*, outward towards *e*, and the handle *a* is not arranged parallel to the arm *d*. This, in connection with the curvature at *k*, enables the jaws *e* to be separated to a greater distance than *f* is moved downward from *a*.

It will thus be seen that the tongs can be opened and closed by one hand.

Each of the two arms, at its joint, is made with a recess, one-half of the thickness of the said arm, so that when placed together, the sides are even, and bring the jaws *e*, one directly over the other, as illustrated in the drawing.

I do not claim two arms, united by a joint, to form pincers or tongs.

I do not claim the combination of a cinder-tongs, poker, and cover-lifter, or the combination of a cinder-tongs and poker as set forth in S. D. Yerks's patent, August 21, 1856, No. 54,731.

Both Yerks's patent and my invention consist of two arms, united by a pivot, and operated upon the principle of scissors, which principle is not new, and cannot be claimed.

My invention differs from the one above referred to, first, in having the wooden handle *a*, by which the end *a* of the arm *c* is made so much lighter, that when the handle *a* is released, the arm *c* will drop by its own weight. Thus the ends *e* naturally remain open, as is more convenient in use.

The form and uses of my invention are different from the one referred to. But

What I do claim, and desire to secure by Letters Patent, is—

The improved stove-tongs, as herein described, combining the different parts, their form and arrangement, as herein set forth, to be operated by a single hand, as and for the purposes specified.

NEHEMIAH L. HATCH.

Witnesses:

WM. H. CLIFFORD,

HENRY C. HOUSTON.