

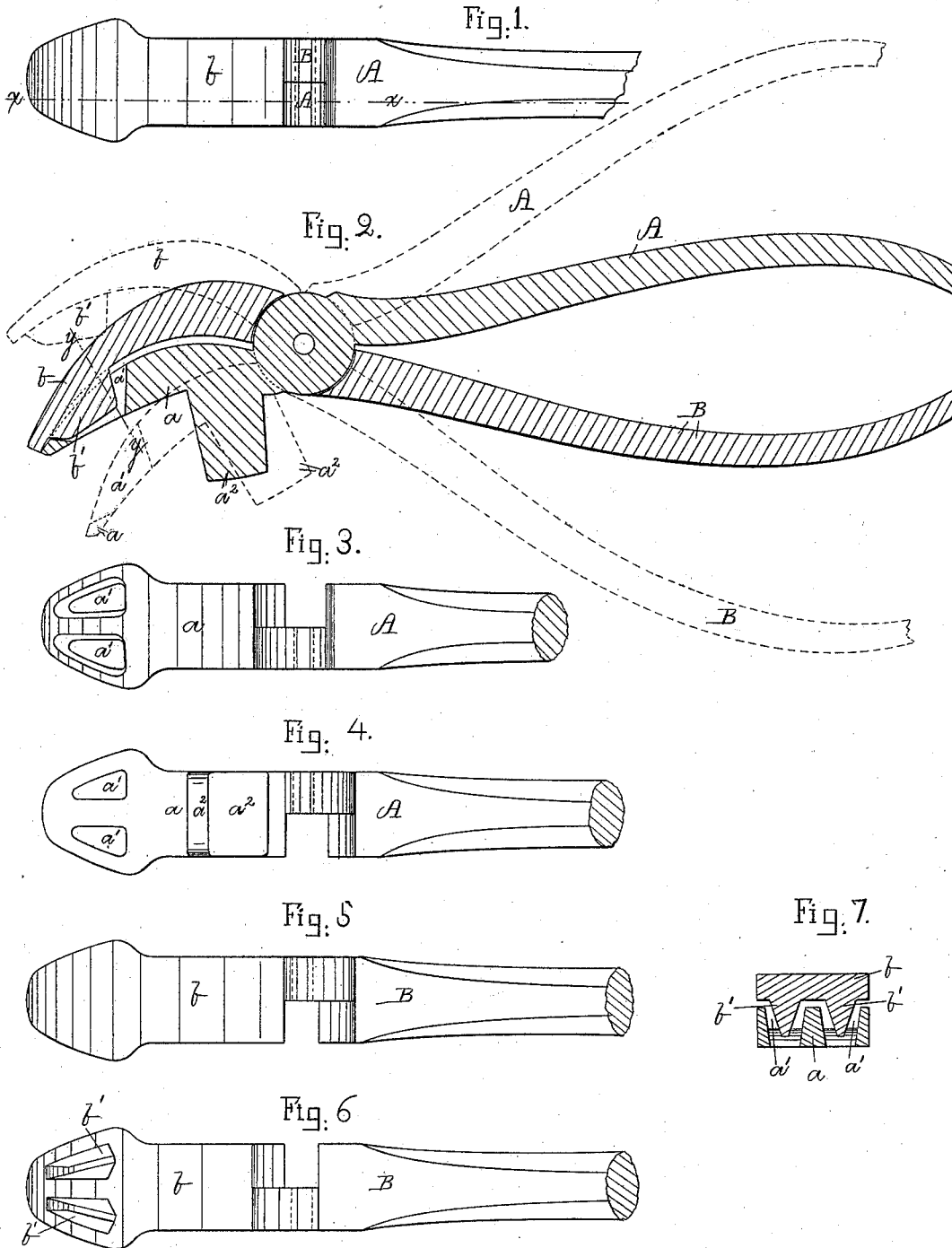
(No Model.)

C. H. HELMS.

LASTING TOOL.

No. 382,874.

Patented May 15, 1888.



Witnesses.

L. W. Miller.
John R. Brown.

Inventor.

Chas. H. Helms,
by his attorney,
J. J. Maynard.

UNITED STATES PATENT OFFICE.

CHARLES H. HELMS, OF POUGHKEEPSIE, NEW YORK, ASSIGNOR TO GEORGE
H. P. FLAGG, TRUSTEE, OF BOSTON, MASSACHUSETTS.

LASTING-TOOL.

SPECIFICATION forming part of Letters Patent No. 382,874, dated May 15, 1888.

Application filed February 3, 1886. Serial No. 190,878. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. HELMS, of Poughkeepsie, in the county of Dutchess and State of New York, have invented a new and useful Improvement in Lasting-Tools, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a view of a pair of my jaws pivoted together, the handle being broken off. Fig. 2 is a section of a pair of pinchers embodying my invention on line *xx* of Fig. 1. Fig. 3 shows the inner face of the recessed jaw, and Fig. 4 the outer face of the same. Fig. 5 shows the outer face of the other jaw, and Fig. 6 the inner face of the same. Fig. 7 is a section on line *yy* of Fig. 2.

My invention consists in two jaws, one of which is recessed longitudinally to receive one or more longitudinal projections on the other jaw, whereby the material operated on is seized and crimped substantially at one and the same closing together of the jaws; and I have shown my invention as embodied in a hand-tool, which is the best way now known to me of reducing my invention to practice; but it is obvious that my invention may be embodied in lasting-machines as well as hand-tools.

The practical advantage of my invention over other lasting devices known to me lies in the fact that a machine or tool embodying my

invention not only seizes the material operated on to stretch it over the last in the well-known way, but also crimps the material at the same operation.

In the drawings, jaw *a* has recesses *a'*. The jaw *b* has projections *b'*, which enter recesses *a'* when the jaws are closed. When jaws are used in lasting, it is evident that the leather, for instance, will be seized, crimped, and securely held, projections *b'* crowding the leather into recesses *a'*.

In that form of my invention shown in the drawings, A and B are the handles, and *a*² the hammer-head commonly used in lasting-pinchers.

I am aware of Nally's Patent No. 325,267, dated September 1, 1885, and disclaim all that is shown in it. I am also aware of Greenwald's patent, No. 316,357, of 1885, and disclaim all that is shown in it.

What I claim is—

The lasting-tool consisting of jaws *a b*, jaw *a* provided with one or more longitudinal recesses, *a'*, and jaw *b* with one or more longitudinal projections, *b'*, which enter recesses *a'* when the jaws are closed, thereby seizing and crimping the material, substantially as and for the purpose set forth.

CHARLES H. HELMS.

Witnesses:

E. S. BEACH,
JOHN R. SNOW.