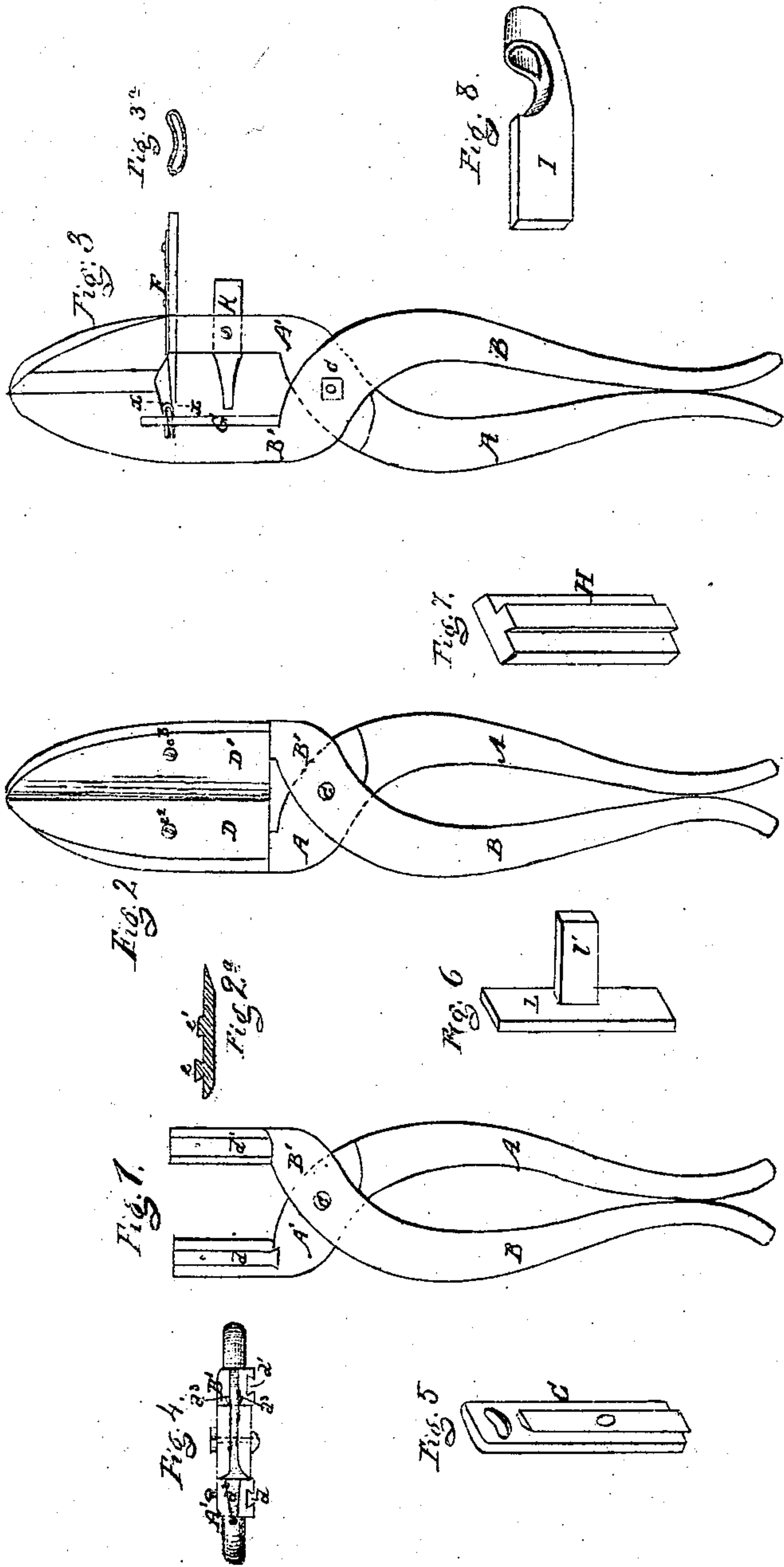


*S. Long,*  
*Animal Shears.*

*No. 33210.*

*Patented Aug. 3. 1869*



*Attest*  
*W. B. Cullip.*

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# United States Patent Office.

SAMUEL LONG, OF OGLE COUNTY, ILLINOIS.

Letters Patent No. 93,210, dated August 3, 1869.

## IMPROVEMENT IN IMPLEMENT FOR TAMING AND MARKING HOGS.

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 LONG, of the county of Ogle, and State of Illinois, have invented a new and useful "Combined Pincers, Shears, Punch, and Cattle-Marker;" and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure 1 is a perspective view of the handles and jaws simply.

Figure 2 is the same as fig. 1, the shear-blades only being attached.

Figure 2<sup>a</sup> is a transverse sectional view of the shear-blades.

Figure 3 is the same as fig. 2, with the addition of two pincers and the sliding plate indicated by fig. 5.

Figure 3<sup>a</sup> is a sectional view on the line *x-x* of fig. 3.

Figure 4 is an end view of fig. 1.

Figures 5, 6, 7, and 8, are perspective views of the other parts composing my invention.

Similar letters of reference indicate like parts in all of the figures.

This invention relates to pincers, shears, punches, and cattle-markers, particularly designed for farmers' use; and

It consists of the parts, in combination and arrangement, as hereinafter described and claimed.

A B are handles, with which my invention is managed.

The jaw B' is slotted flatwise through the centre, to a point above the shank of the same. Between the sleeves thus formed, the shank of the handle A is passed, and then fastened by pivot *c*.

The dovetailed grooves *d d' d'' d'''* are cut in the jaws A' B', as clearly shown in the drawings.

The groove *d''* is cut in the end of jaw A, and is for the purpose of holding the punch F.

D D' are adjustable shear-blades, constructed as shown in figs. 2 and 2<sup>a</sup>, each having upon its inner surface two projections, *e* and *e'*.

The projection *e* slides into the groove *d*. *e* has its bearing on the inner surface of the-jaw.

For the purpose of making the blades more secure, I provide them with set-screws *e'' e'''*.

A slot is cut in jaw A, in form and size as indicated by the punch K, being arranged in position, as shown in fig. 3.

I is one form of die used for marking cattle, sheep, or swine.

I do not claim any particular form of die, as round, square, triangle, or the initials of its owner's name, or any other form of mark may be used.

K is one form of punch to be used on thin metals, as sheet-iron, tin, and the like.

G, L, and H, are slides, to be used as will be hereinafter explained.

F is a punch for taming hogs, as it is commonly called. The blade is doubled, and is conical-convex in form.

The utility of this form of knife is this, that it cuts a very thin piece of flesh from the hog's nose, thus preventing the parts from growing together, and effectually prevents his rooting.

I will now specify the manner in which the parts should be adjusted to perform the various purposes for which they are designed.

For shears, the blades should be attached in manner thereof, hereinbefore described and shown in fig. 2.

For branding or marking, the die is inserted into the slot in the jaw A, and firmly secured by a set-screw, operating upon one side thereof, through the jaw. Either of the plates G or H is then pushed into the groove *d''*, and the device is in readiness for use.

For punching metals, the plate G is used, the die having been arranged as described.

As a hog-tamer, the plate G is used in connection with the punch F, as shown in fig. 3.

My device may also be converted into adjustable tongs or pincers, as follows:

Slide the plate H into the grooves *d''*.

The post *l*, upon the plate L is then inserted in the slot formed in the centre of jaw A from the under side, when it may be adjusted and fastened by the set-screw, at any width desired.

My invention, as an implement for farmers, is one of economy, convenience, and durability, containing several individual tools or devices in one; and being capable of use for such a variety of purposes, it becomes especially desirable to those living in rural districts.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent from the United States, is—

1. The jaws A' B', having grooves *d d' d'' d'''* and the slot in the jaw A', arranged substantially in the manner shown and described.

2. The shear-blades D D', having projections *e e'*, in combination with the jaws A' B', as shown and described.

3. The conical convex double-bladed punch F, as constructed and shown.

4. The arrangement of the sliding plate G, having apertures, as shown and described.

5. The sliding plates L and H, in combination with the jaws A' B', substantially as and for the purpose described.

6. The punch or die K, capable of the various modifications, as described, in combination with the jaw A' and plates G or H, attached thereto, in the manner shown and described.

In testimony whereof, I have signed my name, to this specification, in the presence of two subscribing witnesses.

SAMUEL LONG. [L. s.]

Witnesses:

J. S. STRUBL,

J. H. ELWARD.