

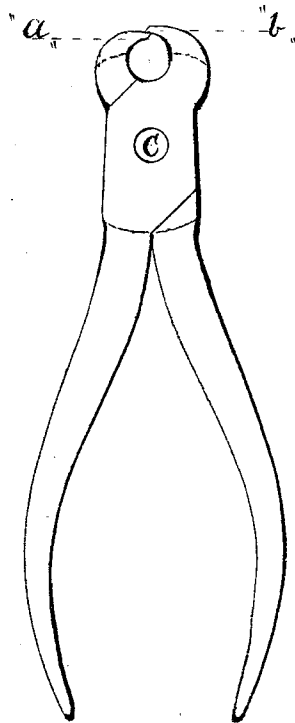
W. X. STEVENS.

Improvement in Nippers.

No. 126,423.

Patented May 7, 1872.

Fig 1.



Witnesses,

John H. Stonegan,
Josiah Hobbs

Inventor,

W. X. Stevens.

UNITED STATES PATENT OFFICE.

WILLIAM X. STEVENS, OF EAST BROOKFIELD, MASSACHUSETTS.

IMPROVEMENT IN CUTTING-NIPPERS.

Specification forming part of Letters Patent No. 126,423, dated May 7, 1872.

Specification describing an Improvement in Cut-Nippers, used for cutting off wire and for similar purposes, invented by WILLIAM X. STEVENS, of East Brookfield, in the county of Worcester and State of Massachusetts.

My invention relates to the position, relative to each other, of the cutting-edges of nippers, and has for its object to produce a shearing cut.

Formerly the jaws of cut-nippers have been shaped alike, with their cutting-edges at equal distances from the axis of motion, so as to meet in a line of contact, acting as two chisels to wedge apart the piece being cut.

By my invention the outer edge of one jaw passes or just meets the inner edge of the other jaw, like shears, one jaw being nearer the axis of motion than the other.

Figure 1 is a drawing showing my invention, of which—

a is the inner jaw and *b* the outer jaw of the nippers, and *c* their axis of motion. The joint and levers may be of any suitable form. To be perfect in principle, according to my invention, the outer face of jaw *a* and inner

face of jaw *b* should be formed, respectively, as the outer and inner arcs of cylinders of the same radius, the chord of said arcs to be equal to the distance which the jaws overlap each other.

In practice, the nippers are made like the old-style nippers, with one jaw bent in enough to pass the other in close contact, as shown in the drawing; and the contact may be the whole length of the edges at once, or the jaws may meet first at one end, then pass each other with a progressive point of juncture, like actual shears. To effect this the edges of the jaws may be parallel, or they may form an angle whose lines are in the cylindrical curve of their contact.

I claim as my invention—

Shearing-cut nippers, formed as described and shown, for the purpose specified.

W. X. STEVENS.

Witnesses:

JOHN H. MONEGAN,
JOSIAH HOBBS.