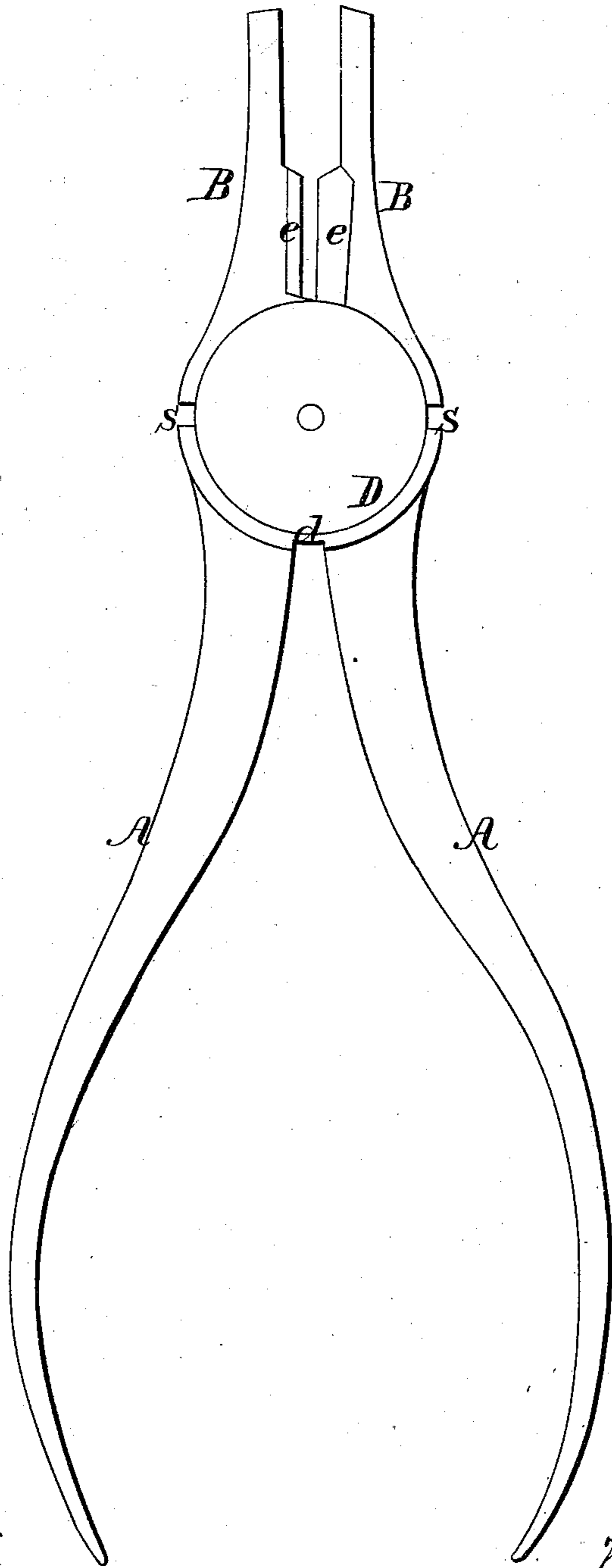


W. Truland.

Cutter Plier.

Nº 90,136.

Patented May 18, 1869.



*Witnesses,
John Alfred Ellis.
James V. White*

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W. Truland
Per J. M. Alexander Atty*



WILLIAM L. TRULAND, OF WATERFORD, NEW YORK.

Letters Patent No. 90,136, dated May 18, 1869.

IMPROVEMENT IN CUTTING PLIERS.

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, WILLIAM L. TRULAND, of Waterford, in the county of Saratoga, and State of New York, have invented certain new and useful Improvements in Shears; 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, which form a part of this specification, in which the figure in the annexed drawing represents a plan view of my invention.

The nature of my invention consists in the construction of pliers with a cutting-edge cast solid with each of the jaws of said pliers, in the manner hereinafter set forth.

A represents the handles of my pliers, which are of a circular form at the point *a*, with a pivot passing through the centre of the said circle, and also through the circular plates D, which are intended to give additional strength to the joint of the pliers.

An open space, S, is left between the handles A and jaws B, so as to allow the handles to open the jaws as far as required.

e e designate the cutting-devices, each of which is cast solid with its respective jaw.

The devices *e e* are made flush with the jaws B at their outer side, and ascend to the middle of jaws B, at which point they descend vertically and form an acute angle or cutting-edge.

By the side of each cutter *e*, a depression is made in the jaw to receive the cutter on the opposite jaw.

It will be seen that my invention answers a two-fold purpose, performing the office both of shears and pliers.

Having thus described my invention,

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

As a new article of manufacture, the within-described pliers, constructed with cutting-edges at the rear ends of the jaws, and furnished with plates D D, substantially as set forth.

In testimony that I claim the foregoing as my own, I affix my signature, in presence of two witnesses.

Witnesses: WM. L. TRULAND.

SAMUEL LANDSBOROUGH,

T. S. TRULAND.