

G. T. Shepley,
Stud Nippers.
No. 103934. *Patented June 7. 1870.*

Fig. 1.

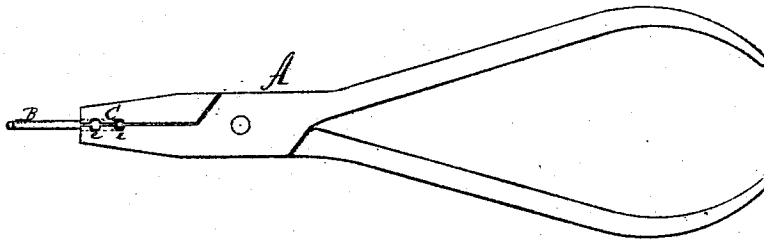
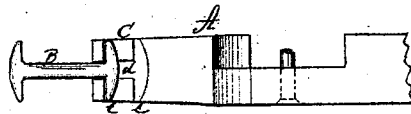


Fig. 2.



Witnesses:
A. Beyneinendof
S. S. Mabie

Inventor:
G. T. Shepley
PER *Mmm*
Attorneys.

United States Patent Office.

GRANVILLE T. SHEPLEY, OF WEST GROTON, MASSACHUSETTS.

Letters Patent No. 103,934, dated June 7, 1870.

IMPROVEMENT IN STUD-NIPPERS.

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, GRANVILLE T. SHEPLEY, of West Groton, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Stud-Nippers; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to a new and useful improvement in nippers or pliers for inserting studs in rubber or eather belting, and consists in forming indentations or channels in the face of each of the jaws of the nippers, which correspond with the end of the stud in shape and size, so arranged in the jaws that they correspond with each other when the jaws are closed, by means of which the stud is firmly held.

In the accompanying drawing—

Figure 1 represents a longitudinal side view of the nippers holding a stud as when in use.

Figure 2 is a view of a section of one of the jaws, showing the face with the recess or indentation, and also a view of a stud.

Similar letters of reference indicate corresponding parts.

A represents the nippers, which do not differ necessarily from the ordinary nippers or pliers in common use, except by the indentation in their jaws, for holding the stud.

B is the stud. This is in the form of a double T, and in inserting them through rubber or leather belts, it is necessary to hold them rigidly in some manner, to make the operation easy and convenient, and insure expedition. For this purpose the common pliers or nippers are used, but by this means the process is attended with much difficulty, as the stud is liable to turn in the jaws, and cause much trouble and annoyance.

C represents the indentation in each face of the jaws.

This indentation in each of the jaws consists in one longitudinal channel, *d*, and two transverse channels, *e e*.

The double transverse channel allows of a re-adjustment of the stud in the process of insertion.

The advantages of this instrument are:

The stud can be rigidly held while any required amount of force is applied, which greatly facilitates the process, and renders it more perfect than by the ordinary method.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The nippers, constructed substantially as herein described.

GRANVILLE T. SHEPLEY.

Witnesses:

ROBERT P. WOODS,
LEVI SHERWIN.