

A. LANGERFELD.

INSTRUMENTS FOR DRAFTSMEN.

No. 187,871.

Patented Feb. 27, 1877.

Fig. 1.

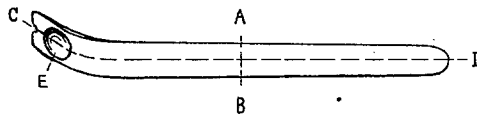


Fig. 2.



Fig. 3.



WITNESSES:

Charles James Langerfeld
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UNITED STATES PATENT OFFICE.

ARTHUR LANGERFELD, OF NEW YORK, N. Y.

IMPROVEMENT IN INSTRUMENTS FOR DRAFTSMEN.

Specification forming part of Letters Patent No. 187,871, dated February 27, 1877; application filed December 22, 1876.

To all whom it may concern:

Be it known that I, ARTHUR LANGERFELD, of the city, county, and State of New York, have invented a new and useful Improvement in Draftsmen's Instruments, which improvement is fully set forth in the following specification and accompanying drawing, in which—

Figure 1 is an oblique view; Fig. 2, a central section, and Fig. 3 a longitudinal section, of the same.

The objects of my invention are, to furnish an instrument by which thumb-tacks can be extracted without making use of and thereby injuring the draftsman's finger-nails or pen-knife; and to furnish a protection for the thumb when impressing a thumb-tack; especially to prevent the steel peg from injuring the draftsman's thumb in case the peg should come through the head of the thumb-tack; and to furnish a ready means of removing drawing-paper which has been glued onto the board, and to fold, cut, and smooth the drawing-paper.

In the drawing, C is a small semicircular notch, which is to receive the peg of the thumb-tack. On this end the instrument is shaped like a wedge. E is a hollow, which is to be placed over the head of the thumb tack when the thumb-tack is to be impressed. A D B is a flat handle, which may have any outline, and which has a sharp edge on at least one side, as is shown in the central section A

B. This handle is used as a paper-knife, paper-folder, and paper-smoother.

The instrument is bent shortly after the hollow E, so that while the wedge-shaped end rests flat on a plane surface, (like a drawing-board,) the handle A B D will stick up so that it can be held in the hand.

It will be seen that when a thumb-tack is to be extracted, the wedge-shaped end of the instrument can not be forced farther than half-way under the thumb-tack, on account of the semicircular notch not allowing more than half of the peg of the thumb-tack to go into it. This will prevent the peg from being bent when the thumb-tack is extracted by pressing downward on the handle A D B, because the upward pressure will be under a central line of the thumb-tack, and not on one side of it, as it would be if the notch were deeper.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is—

The instrument for draftsmen, consisting of the wedge, with notch C, the indenture at E, the following bend, and the flat handle A D B, shaped like a paper-knife, substantially as described, and for the purposes set forth.

ARTHUR LANGERFELD.

Witnesses:

CHARLES JAMES LANGERFELD,
OTTO LADDEY.