(No Model.)

L. J. PURDY.

PATTERN TRACER.

No. 267,107. Patented Nov. 7, 1882.

Fig. 1.

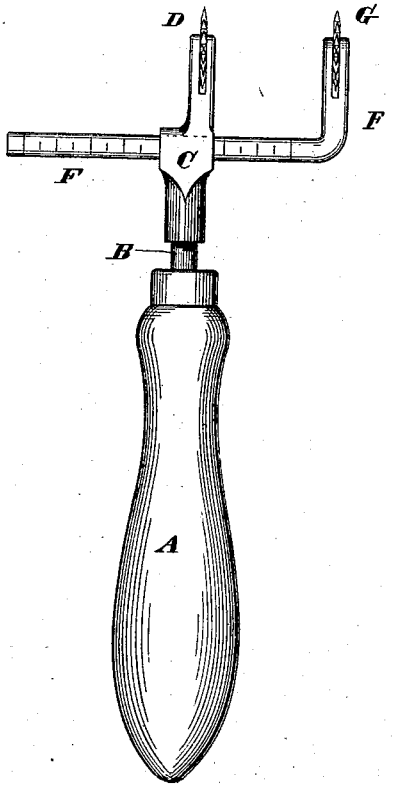


Fig. 2.

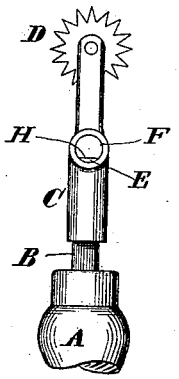
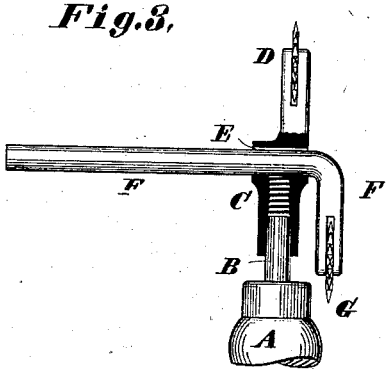


Fig. 3.



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UNITED STATES PATENT OFFICE.

LOUISE J. PURDY, OF ST. LOUIS, MISSOURI.

PATTERN-TRACER.

SPECIFICATION forming part of Letters Patent No. 267,107, dated November 7, 1882.

Application filed July 10, 1882. (No model.)

To all whom it may concern:

Be it known that I, LOUISE J. PURDY, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Pattern-Tracers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, and in which—

Figure 1 is a top view; Fig. 2, a side view, with part of the handle broken away; and Fig. 3 is a top view, part in section, showing the adjustable star-wheel thrown back when one only is desired for use.

My invention relates to a tracing-wheel with two star-markers—one for following the pattern-line and the other for making a simultaneous mark any desired distance therefrom for cutting a line, as described in my application for Letters Patent filed June 15, 1882.

My improvement consists in forming the right-angle arm circular in cross-section, to adapt it to be turned transversely as well as adjustable lengthwise in the stem of the device, as hereinafter described.

A represents the handle of the instrument, having secured in or to it a screw-threaded pin, B, which works in the hollow stem C of the stationary star-wheel D. This opening in the stem communicates with a transverse hole or opening, E, in which fits one end, circular in cross-section, of a right-angle arm, F, in the other end of which is the other star-wheel, G. The wheels are journaled in their bearings. By unscrewing the pin B in its socket the arm F is loosened, and the wheel G can be moved sidewise to or from the stationary wheel. Then, by screwing the pin in, its inner end jams against the arm and holds it to its adjustment.

The arm F is preferably provided with a scale and a flat portion, H, the purpose of the scale being to ascertain the distance the wheels are apart, and the purpose of the flat portion being to prevent the arm from turning when the pin is screwed down and the instrument in use.

If at any time it should be desired to use one wheel only, the adjustable wheel can be turned back, as shown in Fig. 3, out of the way, but will still be attached to the stem, so as not to be in danger of being lost.

I claim as my invention—

The combination of handle A, screw-threaded pin B, hollow stem C, having opening E and wheel D, and adjustable arm F, circular in cross-section to adapt it to turn, having wheel G, all substantially as shown and described, for the purpose set forth.

LOUISE J. PURDY.

Witnesses:

SAML. KNIGHT,

GEO. H. KNIGHT.