

T. D. PARSONS.

Augers.

No. 166,221.

Patented Aug. 3, 1875.

Fig. 1.

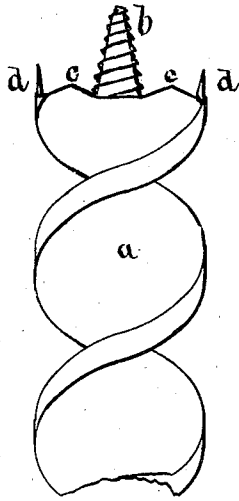


Fig. 2.

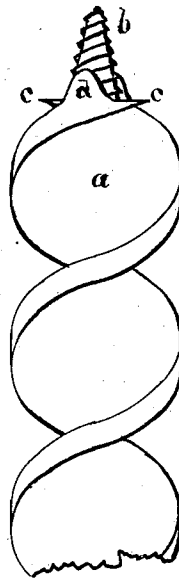
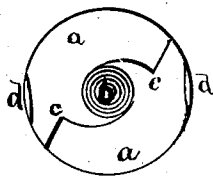


Fig. 3.



Witnesses.

*J. B. Wilder,*  
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Inventor.

*Thomas D. Parsons*  
*By Jeremy W. Bliss*

# UNITED STATES PATENT OFFICE.

THOMAS D. PARSONS, OF BRISTOL, CONNECTICUT, ASSIGNOR TO HIMSELF  
AND GEORGE T. STEELE, OF SAME PLACE.

## IMPROVEMENT IN AUGERS.

Specification forming part of Letters Patent No. 166,221, dated August 3, 1875; application filed  
July 12, 1875.

*To all whom it may concern:*

Be it known that I, THOMAS D. PARSONS, of Bristol, county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Augers; and to enable others skilled in the art to make the same I will proceed to describe, referring to the drawing, in which the same letters indicate like parts in each of the figures.

The nature of this invention consists in the peculiar construction or formation of the cutting-lips, and the arrangement of the cutting-spurs.

In the accompanying drawing, Figure 1 is a front elevation. Fig. 2 is a side elevation. Fig. 3 is an end view.

*a* is the body of a bit or auger. *b* is a center point or screw. *c* are cutter-lips. *d* are cutting-spurs.

These cutting-spurs *d* are arranged on the outer edge of the body of the bit or auger, and at a distance of one-fourth of an inch (more or less) back from the edge of the cut-

ting-lips to allow them (the cutting-lips) to be more convenient to sharpen. The front or cutting edge of said lips recedes or is partially V-shape, and the surface or face portion of the cutter-lips are a  $\Delta$  or convex shape, which produces a free and easy cut. Thus it will be seen that this bit or auger can be easily and perfectly sharpened when required, and will produce a cut much like a carver's V-shape gouge, smooth, free, and easy in its working.

In contradistinction from the common bits or augers this works easily, and is less annoying in the process of sharpening.

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

A bit or auger provided with the receding concave shape cutter-lips *c*, the cutting-spurs *d*, and center point or screw *b*, substantially as and for the purpose set forth.

THOMAS D. PARSONS. [L. S.]

Witnesses:

DANL. MILLER,  
GEO. E. REED.