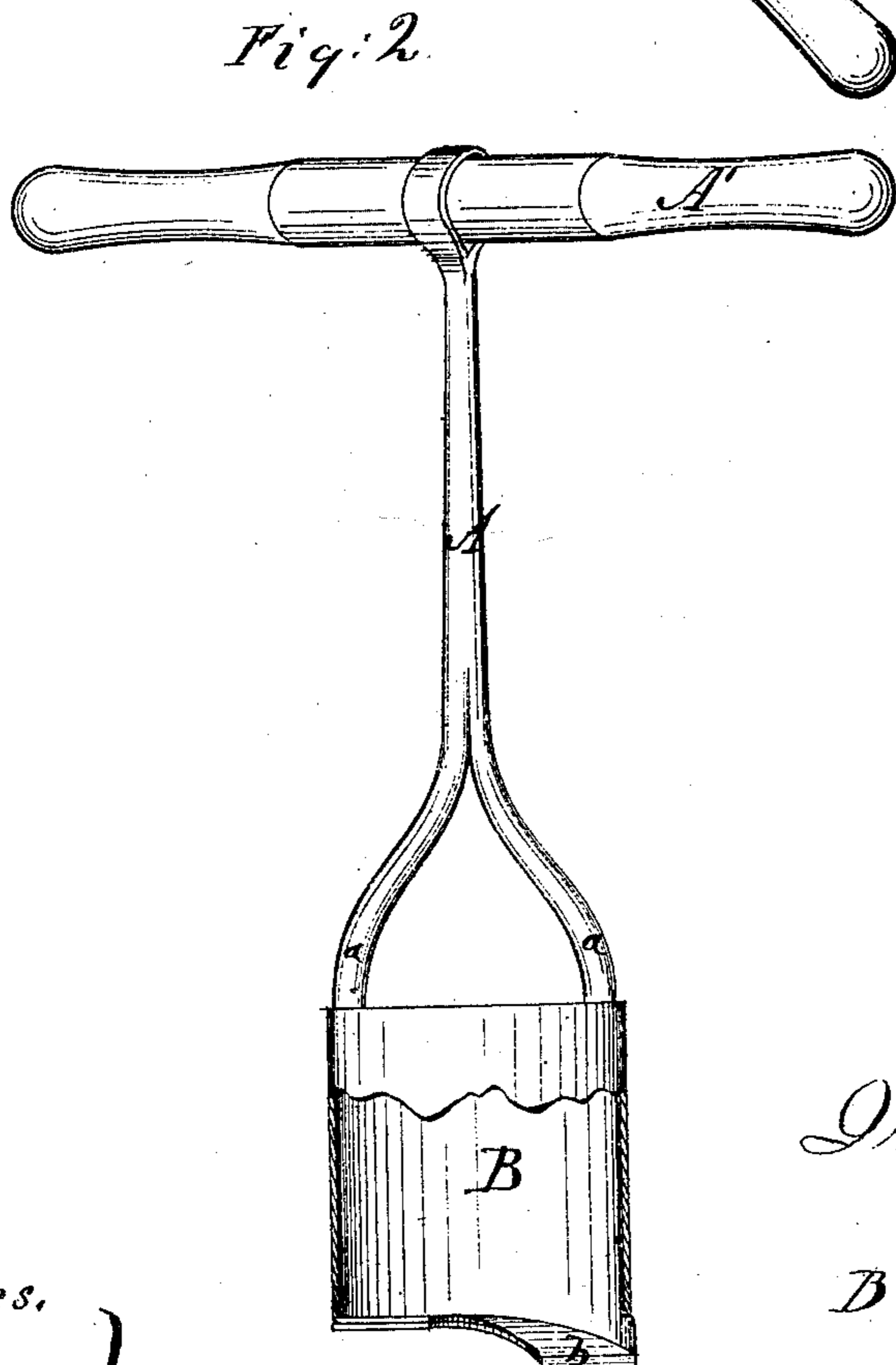
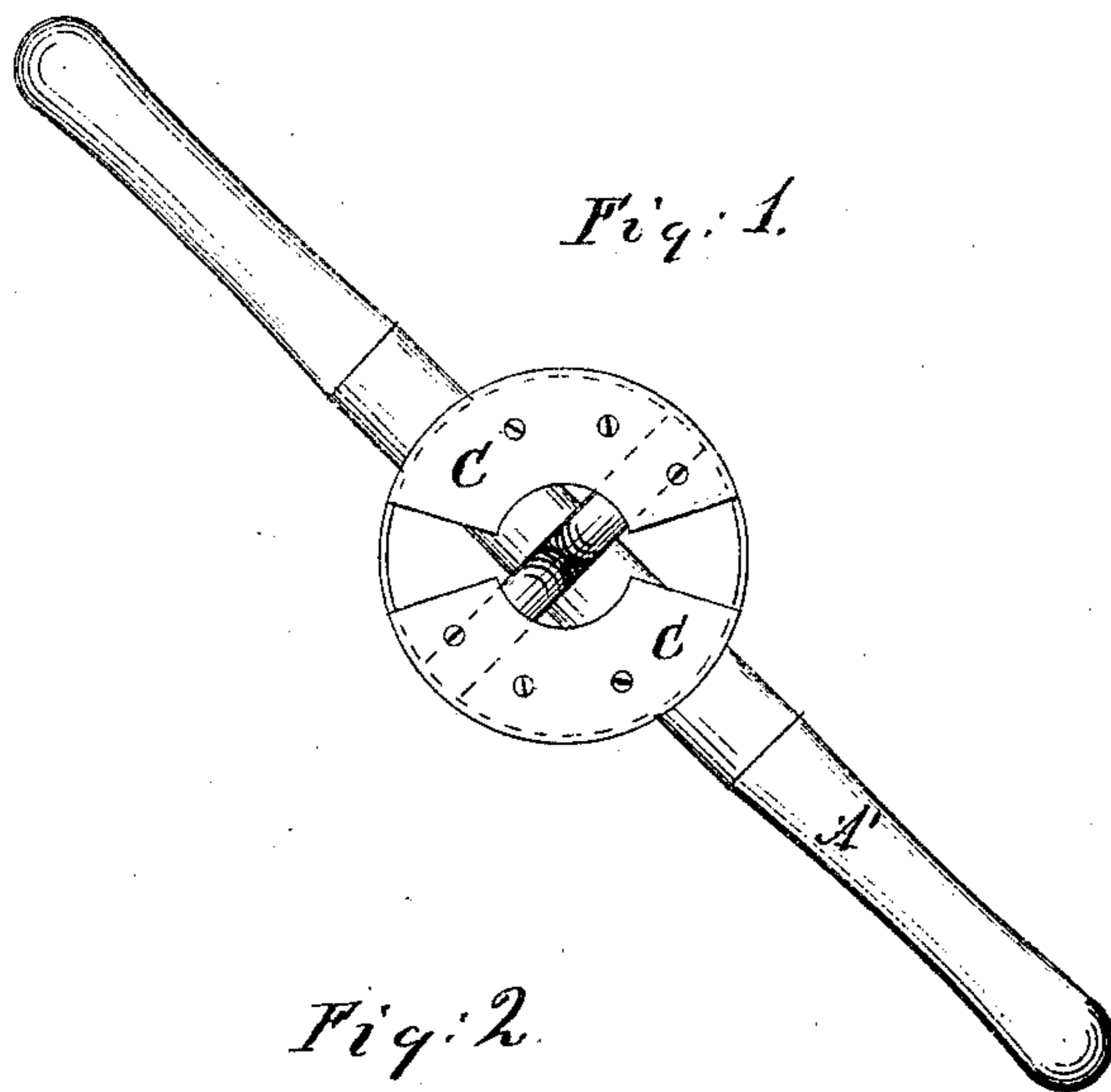


*I. Hart,
Earth Auger.*

No. 94,412.

Patented Aug 31, 1869.



Witnesses,
Wm C. Mitchell
E. R. Brown }

Ira Hart
Inventor.
By
his attorney,

United States Patent Office.

IRA HART, OF CLARKSBURG, WEST VIRGINIA.

Letters Patent No. 94,412, dated August 31, 1869.

IMPROVEMENT IN POST-HOLE AUGER.

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, IRA HART, of Clarksburg, in the county of Harrison, and State of West Virginia, have invented a new and useful Improvement in Post-Hole Augers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon.

The nature of my invention consists in forming the bowl of a post-hole auger without a centre-piece, and in making the knives or cutters separate and distinct from the bowl, and attaching them thereto by means of bolts or rivets.

To enable those skilled in the art to which my invention appertains to make and use the same, I will proceed to describe its construction and operation.

In the drawings—

Figure 1 is an inverted plan view of my improvement.

Figure 2 is a vertical elevation, partly in section.

A is a rod, on the upper end of which is an eye, through which passes a handle, A', and the lower portion of which is forked, as shown at *a a*.

B is a cylindrical bowl, which may be of either cast or sheet-metal. The upper end is open, and is riveted to the forked ends *a a*, and the lower end is cast or turned in, so as to leave an opening in the centre, and is formed with two or more inclined surfaces, *b*, to which the cutters C are attached, by means of rivets or screw-bolts and nuts.

The cutters may be of steel, or of iron with chilled cutting-edges, and should be attached to the bowl, so as to project sufficiently far to insure the cutting of a hole somewhat larger than the bowl, to allow it to be easily withdrawn.

By having the cutters detachable, they can be readily removed, for the purpose of sharpening or repairing.

Having thus described my invention,

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

The bowl B, provided with detachable cutters C, as shown and described, for the purpose specified.

IRA HART.

Witnesses:

H. L. MUNDAY,
H. JENNINGS.