

S. Mc Gray,

Earth Auger,

Patented Sep. 10, 1867.

N^o 68,638.

Fig. 1.

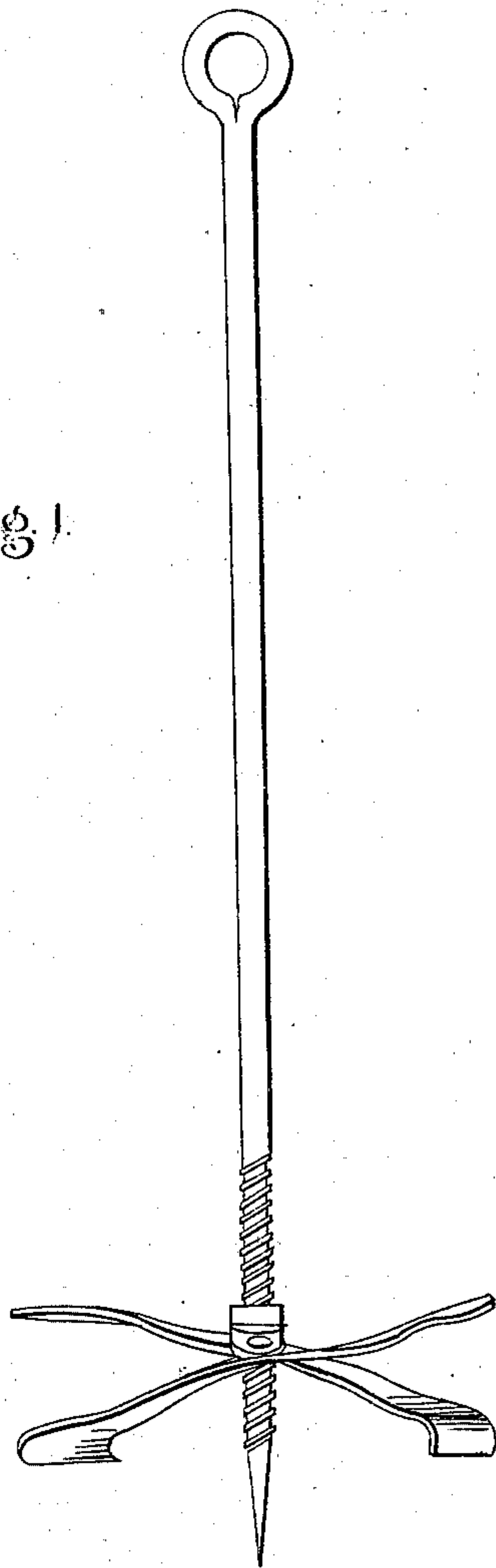
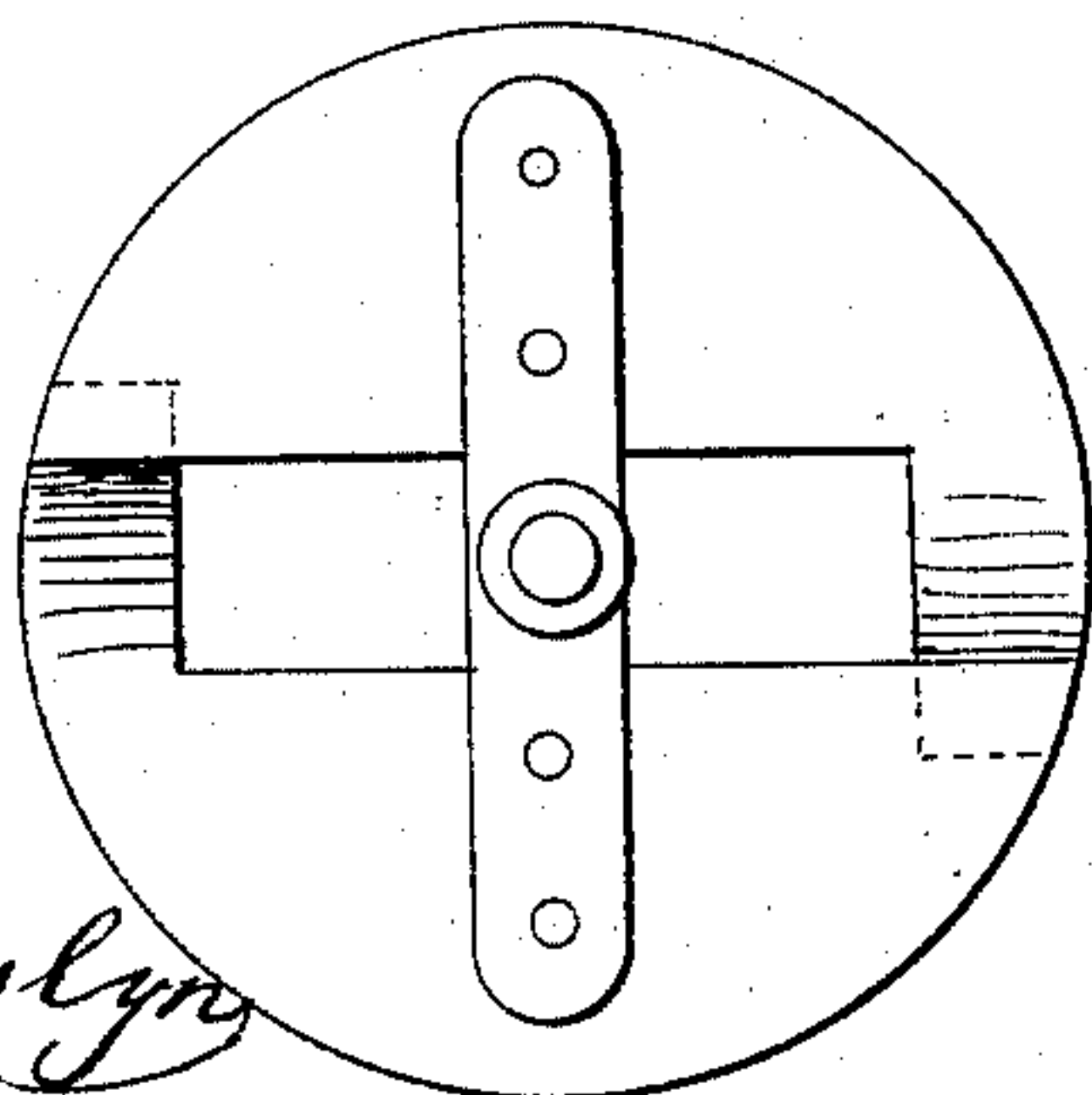


Fig. 2.



Witnesses:

Amos Doolittle
Andrew Brown

Inventor:

S. Mc Gray

United States Patent Office.

SAMUEL McCRAY, OF WOODSTOCK, ILLINOIS.

Letters Patent No. 68,638, dated September 10, 1867.

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, SAMUEL McCRAY, of Woodstock, in the county of McHenry, in the State of Illinois, have invented an Improvement on what is called a Post-Auger; and I do hereby declare that the following is an exact and full description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my improvement consists in the manner of attaching the wings to the cross-plate, which plate is attached to the standard of the auger, together with projections, or lips, as they are called, which are made upon the forward and outer point of the wings.

To enable others to make and use my improvement, I will proceed to describe its construction and operation.

First, then, take a three-fourth ($\frac{3}{4}$) rod of iron, four feet in length, at one end make a socket to receive the handle, point the other end, cut a screw on the pointed end upward four inches. Second, take a piece of iron from six (6) to eight (8) inches long, three-fourths of an inch thick, and one and a half inch wide; in the centre make a hole of sufficient size to receive the lower end of the rod; rivet the wings to the plate of iron, inclining or depressing the point or front of each wing.

It is operated in the manner of a common auger.

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

The shaping the cross-plate so as to receive the wings in a position inclining about (11) eleven degrees from a right angle to the rod; also the projections upon the forward outer points of the wings.

SAMUEL McCRAY.

Witnesses:

DAN. C. JOSLYN,
ANDREW BOURNE.