

D. F. BARBER.
Countersinks.

No. 195,877.

Patented Oct. 9, 1877.

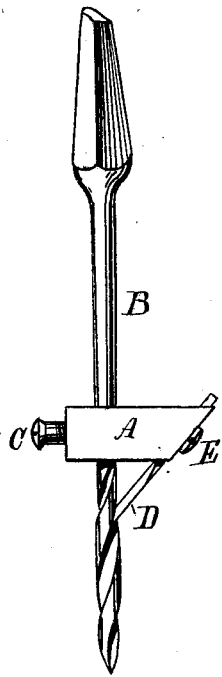


Fig. 1.

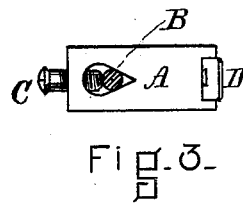


Fig. 3.

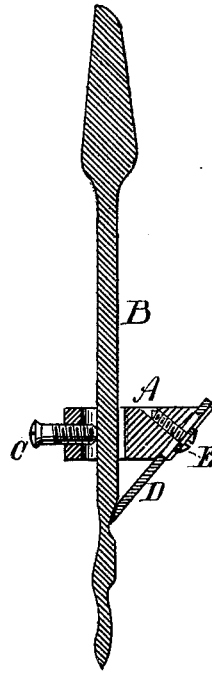


Fig. 2.

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by J. E. Maynard
his atty.*

UNITED STATES PATENT OFFICE.

DANIEL F. BARBER, OF NEWTON, MASSACHUSETTS.

IMPROVEMENT IN COUNTERSINKS.

Specification forming part of Letters Patent No. **195,877**, dated October 9, 1877; application filed April 12, 1877.

To all whom it may concern:

Be it known that I, DANIEL F. BARBER, of Newton, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Countersinks, which improvement is fully set forth and described in the following specification, reference being had to the accompanying drawings, making a part hereof.

In the drawings, A is the body of my countersink. It is grooved at one end to receive the knife or cutter D, and provided at the other end with the set-screw C, and near its middle with an orifice for the bit B. This orifice, at one side, is angular, in order that the bit B shall be properly centered when held in place by the set-screw C. The cutter D is held to the body A by means of the groove and the set-screw E, which passes through a slot in the cutter.

The main advantages of my countersink over

all others known to me are that the bit is accurately centered by means of the angular part of the bit-hole in the body A; the cutter is very securely held in place, and yet easily adjusted for different sizes of bits; and the device is compact, strong, simple, and cheap.

I am aware of the patent to Pettes, No. 110,494, and disclaim the device therein shown, and also any other device with a round bit-hole.

What I claim as my invention is—

The countersink above described, consisting of the body A, having the angular bit-hole, and provided with a set-screw, C, whose axis bisects the angle of the bit-hole, and the adjustable cutter D, the body and the cutter being secured together, and the whole adapted to be secured to the bit, as above described.

DANIEL F. BARBER.

Witnesses:

J. E. MAYNADIER,
GEORGE O. G. COALE.