

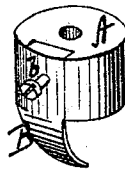
W. H. DODGE.

Improvement in Countersinks.

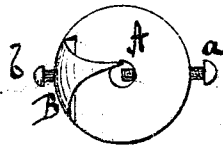
No. 123,246.

Patented Jan. 30, 1872.

*Fig. 1.*



*Fig. 2.*



Witnesses  
Jas. A. Ellis.  
G. V. White

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Wallace H. Dodge.  
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## UNITED STATES PATENT OFFICE.

WALLACE H. DODGE, OF MISHAWAKA, INDIANA.

## IMPROVEMENT IN COUNTERSINKS.

Specification forming part of Letters Patent No. 123,246, dated January 30, 1872.

## SPECIFICATION.

*To all whom it may concern:*

Be it known that I, WALLACE H. DODGE, of Mishawaka, in the county of St. Joseph and State of Indiana, have invented certain new and useful Improvements in Countersinks; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a "countersink," as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view, and Fig. 2 is an end view of my countersink.

A represents a collar of any suitable dimensions, having in one side a dovetailed groove for the insertion of the shank of a knife, B, the blade of which is curved inward. The knife B is secured in the groove on the collar A by means of a screw, *b*. Through the opposite side of the collar a screw, *a*, passes through into the central opening in the same. The collar A is adjusted at any desired point on the bit

and secured by the screw *a*, which brings the bit close up to the side nearest the knife. The knife B is curved so that its point will be on a line with this side, and, consequently, bring the point close up to the bit, whatever size the bit may be.

The end of the knife B may be constructed so as to envelop a portion of the bit, and the knife may be made in one piece with the collar; but I prefer to make them separate, as described.

My countersink can be used with any sized bit, and can be adjusted to any point upon the bit to suit the depth of the hole to be bored.

I am aware of the existence of the patent of W. B. Shedd, and do not claim, broadly, the adjustable knife; but

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

The collar A, provided with a dovetail groove, in combination with knife B, constructed and arranged as herein described, and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

WALLACE H. DODGE.

Witnesses:

T. H. ALEXANDER,  
J. V. WHITE.