I. A. Hurd.

Turning Lathe Gauge.

No. 66,230. Patented Jul. 2, 1867.

Fig. 3.

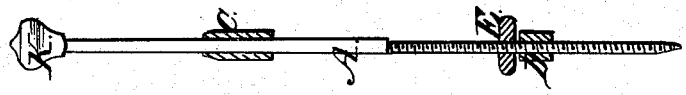

Fig. 1.

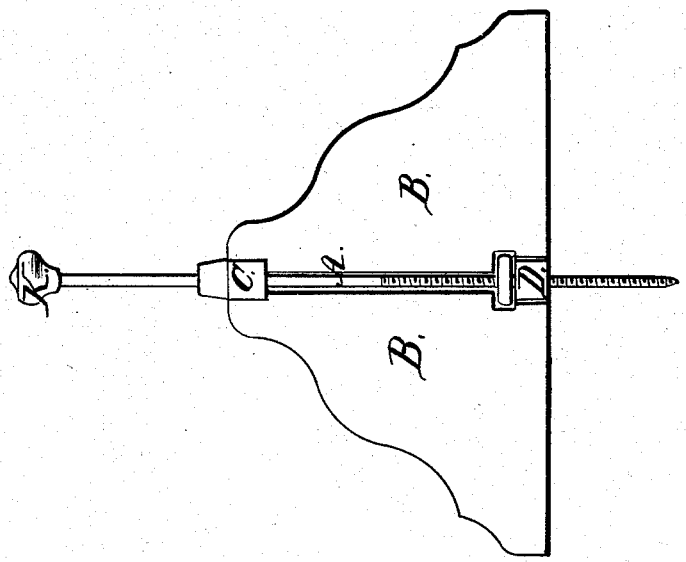

Fig. 2.

Witnesses:

A. Cuni Berry

J. G. Parker.

Inventor:

Ivory A. Hurd,

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United States Patent Office.

IVORY A. HURD, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 66,239, *dated July* 2, 1867.

IMPROVED DEPTH-GAUGE.

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, IVORY A. HURD, of Boston, in the county of Suffolk, and State of Massachusetts, have invented certain new and useful improvements in Depth-Gauges; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in constructing an improved depth-gauge by combining with the wings or guards B B a screw-spindle, A, and a check-nut, E.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and use. In the drawings—

Figure 1 is an elevation.

Figure 2, a vertical section.

Figure 3 is a plan of my improved gauge.

I first construct it of any suitable metal B B, fig. 1, of some convenient size and shape, as, for instance, that represented in the drawings. In the centre of this, between C and D, the metal is cut away to admit the spindle A, as shown in fig. 1. At the upper part of the wing-piece a collet, C, is securely connected. Through this collet the spindle A passes freely. At the lower edge of the wing-piece a collet, D, is securely attached. This collet D forms a nut, through which the spindle A screws. Just above this collet is the check-nut E. The spindle A has a milled knob, K, at its top.

To use this gauge the check-nut E is loosened, and the spindle A is screwed up or down, as the case may be, until its point extends the desired distance below the wing-piece. The check-nut E is then screwed hard against the collet D, which action will hold the spindle A firmly in place.

This gauge may be used for measuring the depth of holes drilled on lathe-work, or for measuring the thickness of plates or pieces of metal worked upon a planing machine.

Having thus described my invention, I will proceed to set forth my claim. What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

The combination, as well as the arrangement, of the wing-piece B B with the spindle A, check-nut E, and collet D.

IVORY A. HURD.

Witnesses:

A. HUN BERRY,

FRANK G. PARKER.