

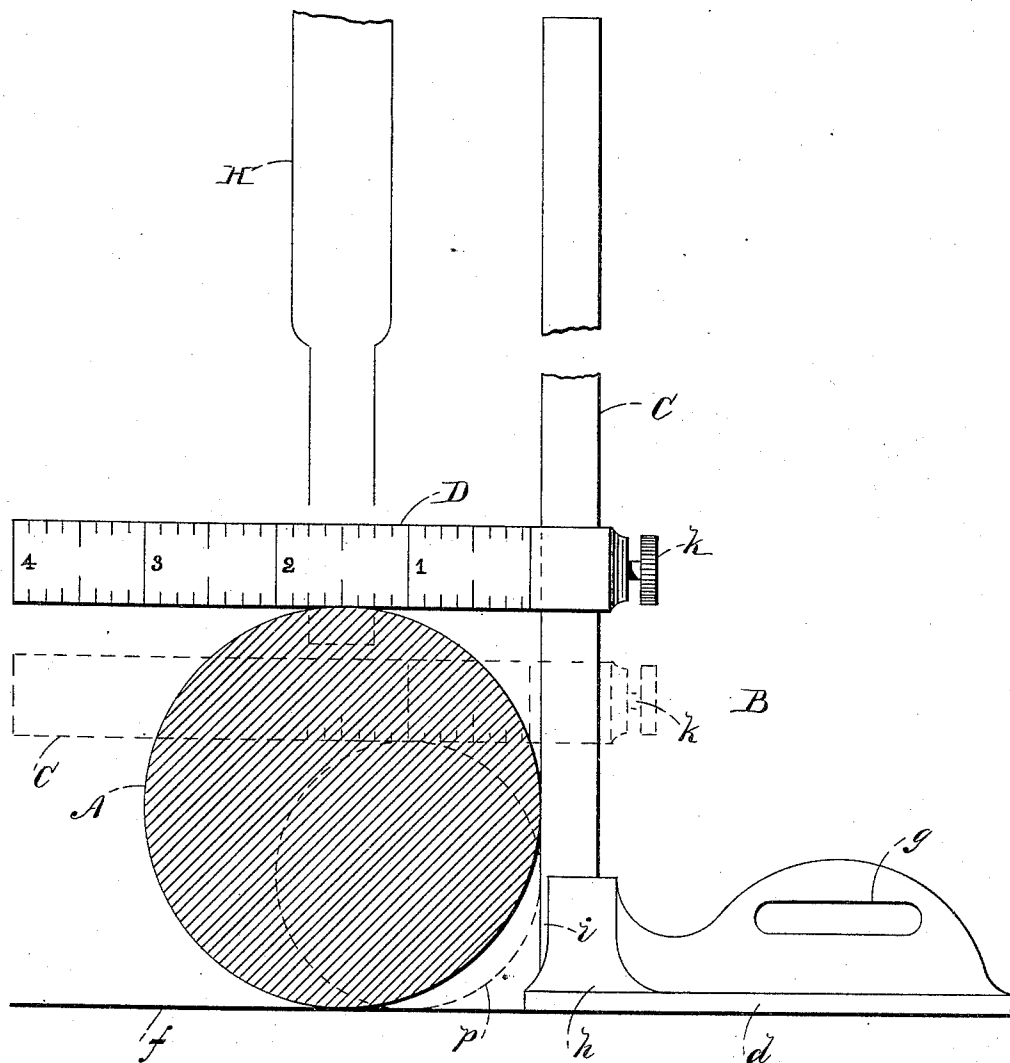
(No Model.)

J. WYKE.

KEY SEATING OR SPLINING GAGE.

No. 461,995.

Patented Oct. 27, 1891.



WITNESSES:
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JOHN WYKE, OF BOSTON, MASSACHUSETTS.

KEY SEATING OR SPLINING GAGE.

SPECIFICATION forming part of Letters Patent No. 461,995, dated October 27, 1891.

Application filed April 14, 1891. Serial No. 388,923. (No model.)

To all whom it may concern:

Be it known that I, JOHN WYKE, of Boston, in the county of Suffolk, State of Massachusetts, have invented certain new and useful
5 Improvements in Key Seating or Splining Gages, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which
10 the same, reference being had to the accompanying drawing, forming part of this specification, in which the figure is an elevation showing my improved gage in position for use.

My invention relates to gages which are especially adapted for use in setting shafts on
15 planing, drilling, or milling machine tables for spline-slotting and similar purposes; and it consists in certain novel features, hereinafter fully set forth and claimed, the object being
20 to produce a simpler, cheaper, and more effective device of this character than is now in ordinary use.

The nature and operation of the improvement will be readily understood by all conversant with such matters from the following
25 explanation.

In the drawing, A represents the shaft, and B the gage, considered as a whole.

The gage comprises a base *d*, adapted to rest
30 flatly on the machine-table *f* and provided with a strengthening-fin *g*. The forward end of said base has a vertical socket *h*, in which a standard C is mounted, the front wall of said socket being cut away at *i* to permit the
35 standard to be brought into contact with shafts of small diameter. A horizontally-arranged scale-arm D, provided with a measuring-scale at both its edges, is fitted to slide on the standard C and is adjustably secured
40 thereon by a set-screw *k*.

In the use of my improvement the shaft A is disposed on the table *f* in the usual man-

ner. The gage is then moved until the standard C contacts with the shaft, when the scale-arm D is lowered until it also contacts with
45 the shaft, and is secured in such position by the set-screw *k*. The scale-line at the point of contact represents one-half the shaft-diameter, or, as shown in the drawings, one and one-half inches. The shaft is now rotated on
50 the table until the point at which the keyway is to be formed registers with said scale-line and is now in position for either planing or drilling.

To set the tool H for drilling or milling, the
55 cutter is brought to the upper edge of the scale D until it registers with the corresponding scale-line at the upper edge of the arm D, when the parts are in position for work.

By cutting away the socket, as at *i*, the device may be used for shafts *p* of small diameter, as shown by dotted lines.

Having thus explained my invention, what I claim is—

1. A key seating or splining gage comprising a horizontal base, a vertical standard
65 thereon disposed in position to be engaged by the shaft, and a horizontal scale-arm fitted to slide vertically on said standard and adapted to engage the top of the shaft, said arm being
70 provided with correspondingly-spaced measuring-scales at both its edges, substantially as and for the purpose set forth.

2. In a device of the character described, the base *d*, provided with the socket *h*, cut
75 away at *i*, in combination with the standard C, mounted in said socket, and the horizontal scale-arm D, adjustable on said standard, substantially as described.

JOHN WYKE.

Witnesses:

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