

A. D. GOUGHNOUR.
 CENTER PUNCH GAGE.
 APPLICATION FILED MAY 31, 1911.

1,003,043.

Patented Sept. 12, 1911.

Fig. 1

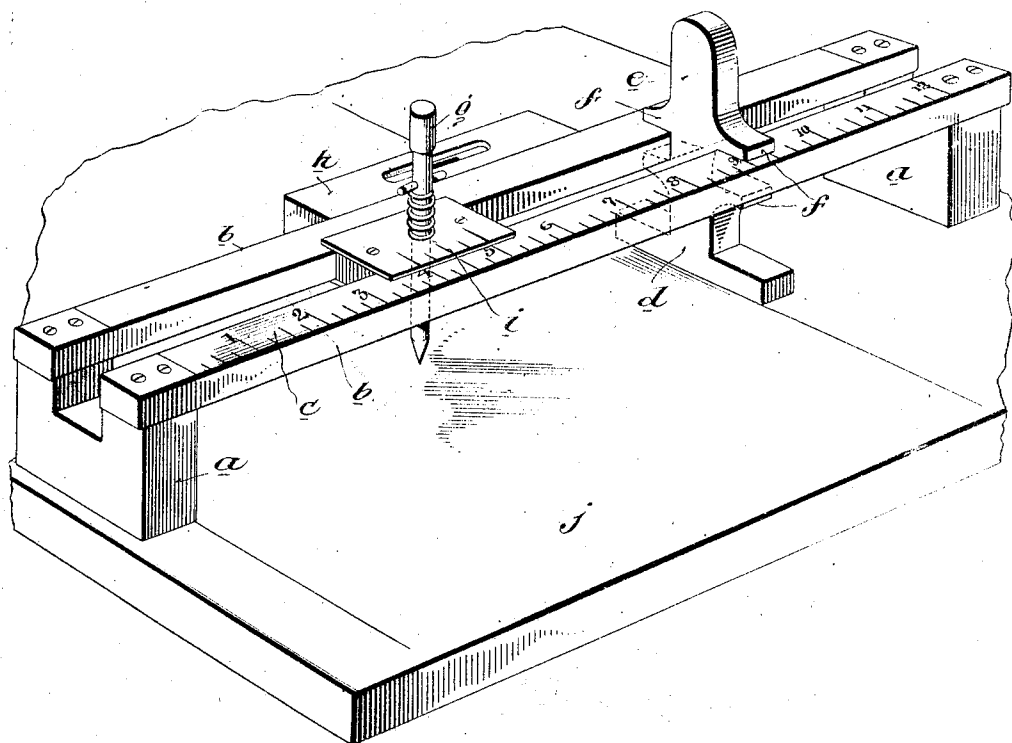
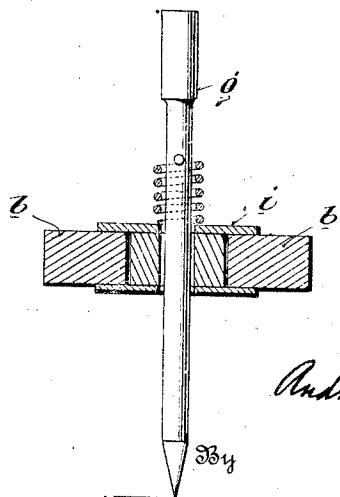


Fig. 2.



Witnesses
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ANDREW D. GOUGHNOUR, OF CONEMAUGH, PENNSYLVANIA.

CENTER-PUNCH GAGE.

1,003,043.

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Application filed May 31, 1911. Serial No. 630,522.

To all whom it may concern:

Be it known that I, ANDREW D. GOUGHNOUR, a citizen of the United States, and a resident of Conemaugh, in the county of Cambria and State of Pennsylvania, have invented certain new and useful Improvements in Center-Punch Gages, of which the following is a full and clear specification, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my improved device showing it placed on a plate as in actual use; and Fig. 2 a vertical transverse section thereof.

The object of this invention is to provide a simple implement for accurately punching center holes in metal for drilling, as more fully hereinafter set forth.

The device consists of a pair of supporting blocks *a* rigidly connected by a pair of separated parallel bars *b* one or both of which on their upper surfaces are provided with marks indicating a linear measure *c*, the measure or scale beginning at a point coincident with the inner face of one of the blocks *a* and terminating preferably coincident with the inner face of the other block. Slidably mounted on the bars *b* is an intermediate leg or support *d*, the upright member *e* of this leg being provided on each of its side edges with a pair of lugs *f* which embraces one of the bars *b*, thus holding this supplemental leg slidably on the frame. Between this supplemental leg *b* and the leg *a* at the zero end of the scale is slidably mounted in any suitable manner a punch *g* which is supported in a vertical position and which when struck by a hammer will be caused to punch a hole in the piece of work supported below it. At the back edge of

the device, on the rear one of the bars *b* is mounted a level *h*, of any suitable construction.

One way of using the device is shown in Fig. 1, in which the leg *d* is adjusted to a point nine inches from the zero end of the scale or measure and the punch is adjusted to a point half way between, suitable scale marks *i* being provided on the punch supporting block to assist in locating the punch at the proper point on the scale. When the parts are thus adjusted they are in position to punch the holes exactly midway between the points nine inches apart on the work plate *j*, and by the use of the level the punch can be always maintained in an exactly vertical position with respect to the work plate so that the punched holes will be exactly perpendicular to the face of the plate and thus properly direct the tool in drilling out the holes.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is—

In a device of the class set forth, the combination of a slide-way provided at each end with a rigid supporting block and on its upper face with a linear scale extending from one block toward the other block, a supplemental leg or marker slidably mounted on the slide-way, and a punching device slidably mounted on the slide-way between said slidable leg and the zero end of the scale.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

ANDREW D. GOUGHNOUR.

Witnesses:

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