

P. MARTIGNONI & A. JÄGER.

DIE STOCK.

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1,061,485.

Patented May 13, 1913.

Fig. 1

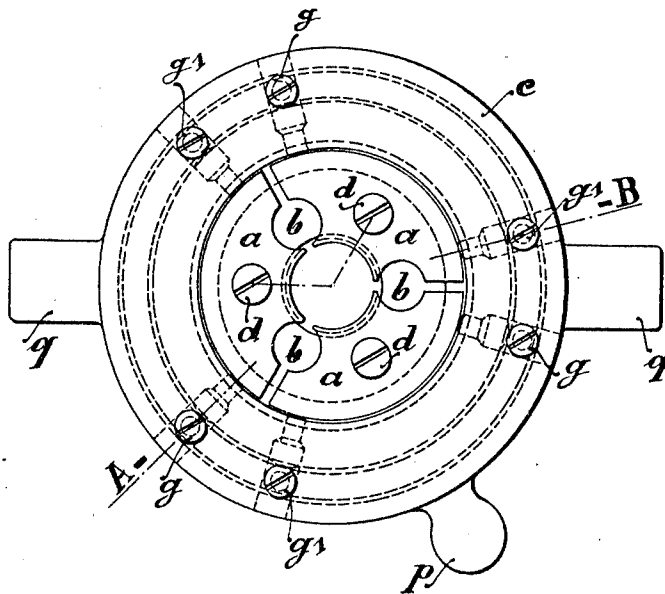
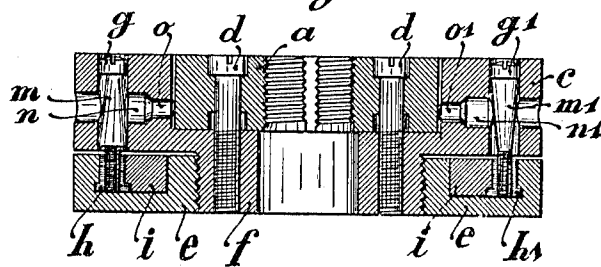


Fig. 2



Witnesses:
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UNITED STATES PATENT OFFICE.

PASQUALE MARTIGNONI AND AUGUST JÄGER, OF FRANKFORT-ON-THE-MAIN,
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DIE-STOCK.

1,061,485.

Specification of Letters Patent.

Patented May 13, 1913.

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To all whom it may concern:

Be it known that we, PASQUALE MARTIGNONI and AUGUST JÄGER, both residing at Frankfort-on-the-Main, German Empire, and both subjects of the German Emperor, have invented certain new and useful Improvements in Die-Stocks, of which the following is a specification.

Our invention relates to an improved die-stock having an adjustable die, formed of a group of pivotal segments, which are all turned into the desired position simultaneously with the aid of a plurality of axially slidable bolts, whose heads are tapered alternately in opposite directions.

A structural embodiment of the invention is illustrated in the accompanying drawing, in which—

Figure 1 is a plan, and Fig. 2 a section on the line A—B of Fig. 2.

The die consists of three segmental shaped parts *a*, having openings *b* to admit escape of the chips formed in screw cutting. Each segment *a* of this three-part die is pivoted by a set-screw *d* in the stock *c*, which has an externally threaded boss *f*, and is provided with lugs or studs *g* to which handles may be applied. Over the boss *f* there is threaded a collar *e*, having a finger-piece *p*, and furnished with an undercut annular groove on one face. Into this groove there fit a number of shaped and tapped blocks *h*, *h*¹, which are held in the groove by a ring *i*, in such manner that although they can not turn, they do not obstruct rotation of the collar *e*. Into the blocks *h* and *h*¹ there take the threaded ends of bolts *g* and *g*¹ respectively, which have elongated conical heads *m*, *m*¹, the taper of the heads *m* of the bolts *g* being in the opposite direction to that of the heads *m*¹ of the bolts *g*¹. The heads *m*, *m*¹ are accommodated in holes in the stock *c* and engage the rounded heads *n*, *n*¹ of pins *o*, *o*¹ respectively, which slide within the stock *c* at right angles to the bolts *g*, *g*¹.

The segments *a* are adjusted in the correct position by means of the bolts *g*, *g*¹. When it is desired to effect regulation, that is to say, change the depth of cut, the collar *e* is

turned by means of its finger-piece *p*. This causes the conical headed bolts *g*, *g*¹, held by the blocks *h*, *h*¹, to be slid in axial direction in their holes, whereby the coöperating pins *o* or *o*¹, depending upon the direction in which the collar *e* is turned, will be actuated and will cause all the die-segments *a* to swing simultaneously on their pivots *d*.

Having thus described our invention, we declare that what we claim as new and desire to secure by Letters Patent is—

1. In combination, a stock, die-segments pivoted therein, a plurality of bolts whose heads are accommodated in holes in the stock and are tapered alternately in opposite directions, slidable pins located in the stock and protruding into the path of the bolt-heads, and means, rotatable upon the stock, for holding the bolts and imparting an axial motion thereto.

2. In combination, a stock, die-segments pivoted therein, a plurality of bolts whose heads are accommodated in holes in the stock and are tapered alternately in opposite directions, slidable pins located in the stock and protruding into the path of the bolt-heads, an annularly grooved collar threaded upon the stock, and tapped blocks slidably secured in the collar-groove and receiving the threaded bolt-ends.

3. In combination, a stock having an externally threaded boss, die-segments pivoted therein, a plurality of bolts whose heads are accommodated in holes in the stock and are tapered alternately in opposite directions, slidable pins located in the stock and protruding into the path of the bolt-heads, a collar, having an annular undercut groove, threaded over the stock-boss, tapped blocks located in the groove and receiving the threaded bolt-ends, and a ring securing the blocks in the collar.

In testimony whereof we affix our signatures in presence of two witnesses.

PASQUALE MARTIGNONI.

AUGUST JÄGER.

Witnesses:

JEAN GRUND,

CARL GRUND.