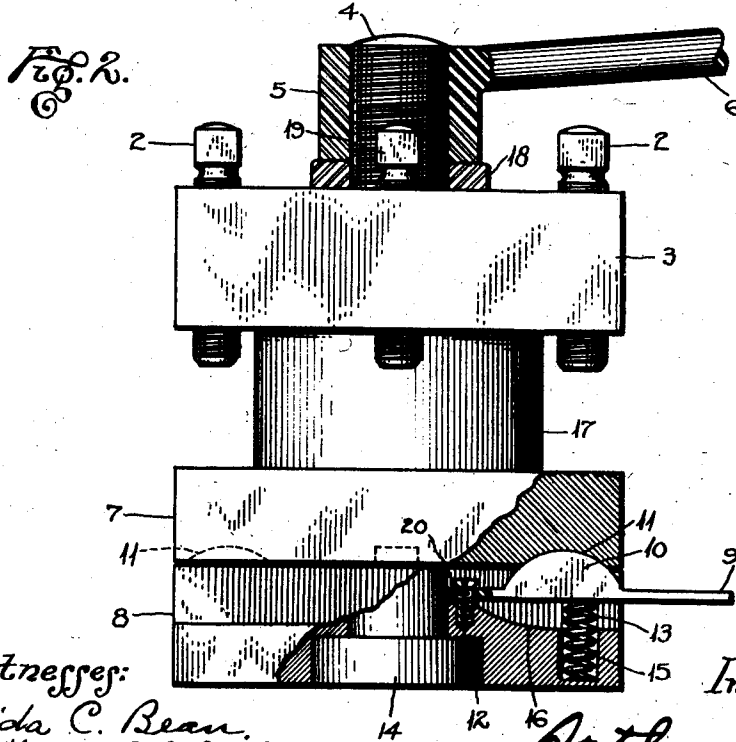
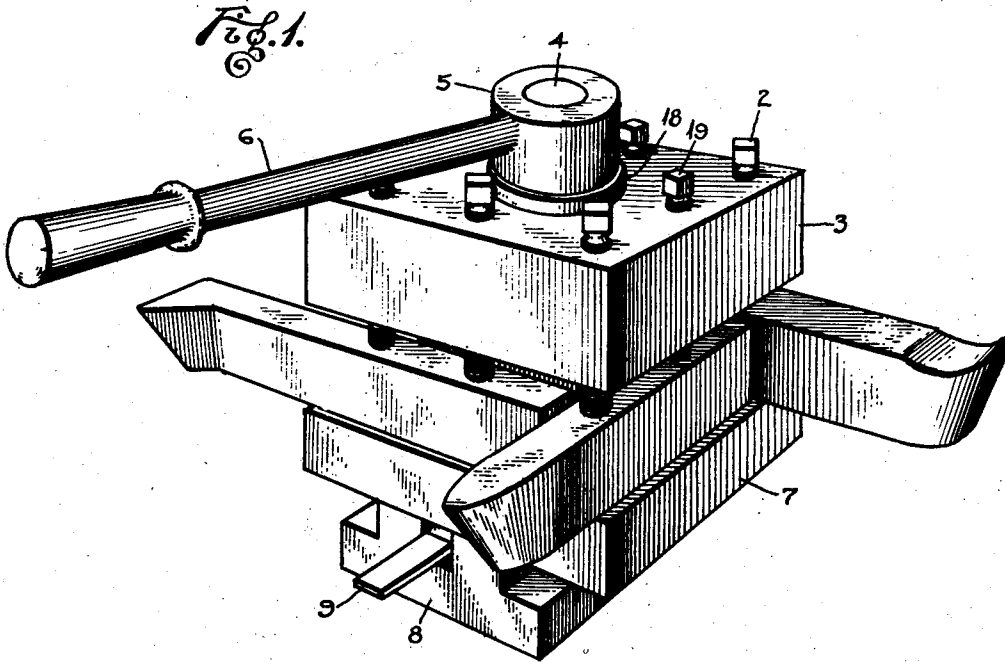


A. E. BEAN.
 TOOL POST.
 APPLICATION FILED NOV. 10, 1911.

1,058,656.

Patented Apr. 8, 1913.



Witnesses:

Lida C. Bean.
 William D. J. Miller.

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UNITED STATES PATENT OFFICE.

ARTHUR E. BEAN, OF GREENVILLE, PENNSYLVANIA.

TOOL-POST.

1,058,656.

Specification of Letters Patent.

Patented Apr. 8, 1913.

Application filed November 10, 1911. Serial No. 659,488.

To all whom it may concern:

Be it known that I, ARTHUR E. BEAN, a citizen of the United States, residing at Greenville, in the county of Mercer and State of Pennsylvania, have invented certain new and useful Improvements in Tool-Posts, of which the following is a specification.

This invention relates to multiple tool posts for lathes, and has for its object to provide such a post which is simple, durable, substantial and inexpensive in construction, and efficient and convenient in use.

A further object is to provide a post of this character which can be readily engaged to the carriage of the ordinary lathe having a T-slot therein.

To the above ends this invention resides in a novel construction and combination of parts as hereinafter described and claimed, reference being had to the accompanying drawing, wherein—

Figure 1 is a perspective view of the tool post as constructed in accordance with the present invention showing the tools applied thereto. Fig. 2 is a side elevation of the tool post, parts broken away.

Referring specifically to the drawing, wherein similar reference characters indicate similar parts, the tool post embodies in its essentials a body for holding the tools and a slide for engaging in the T-slot of a lathe carriage. The body comprises a square block or cube of suitable metal which by forging or other operation is made to form upper and lower portions 3 and 7, respectively, and a contracted circular portion 17 connecting same. Set screws 2 are passed through the corners of the portion 3 to engage the intermediate portions of the tools as is clearly illustrated in Fig. 1, the tools resting on the portion 7, and set screws 19 are passed through the said portions 3 intermediate the set screws 2 to engage the inner ends of the tools and thereby firmly hold the tools in position and also permitting the tools to be adjusted and removed.

The slide comprises an elongated block 8 of suitable metal of T-shaped cross section to fit into the T-slot of a lathe carriage. A bolt 4 passes through the slide and has a lower head 14 embedded in the bottom of the slide to prevent the bolt from being drawn upward. This bolt 4 is upstanding from the slide and passes centrally through the body to permit the body to rotate there-

on. On the upper end of the bolt 4 is screw threaded a nut 5 having a handle 6 and a washer 18 is interposed between the nut and the body. Thus upon the slide being engaged to a lathe carriage the nut 5 may be tightened to clamp the body against the carriage. The slide is provided with a longitudinal channel 16 in one end thereof extending to the bolt 4 and which is shallower in depth at its inner end. A socket 15 is arranged at the outer end of the said channel 16. A lever 9 fits in the channel 16 and projects therefrom and has an aperture 20 in its inner end and an upper segmental catch 10 adapted to engage in the radial concaved recesses 11 provided in the bottom of the body. A screw 12 is passed through the aperture 20 and engages in the slide at the inner end of the channel to pivot the lever in the channel and a coiled spring 13 is seated in the socket 15 to yieldingly press the lever upward. The catch 10 fits snugly in the channel 16 and in engaging the recesses 11 which are arranged at quadrants normally prevents the body from being rotated for adjustment or to be displaced due to the strains to which the post is subjected in use. By pressing down on the lever 9 the catch may be readily released from the body to permit same to be rotated or adjusted.

Thus it will be seen that a multiple tool post has been provided which may be readily attached to the ordinary lathe and which may be readily adjusted to bring the various tools into position for use, the advantages of which are already apparent in the art. The various parts are designed to be inexpensively manufactured and this invention presents a very desirable tool post of this character.

I do not wish to limit myself to the precise embodiment further than the limitations as claimed, and desire to have the privilege of altering the details within the scope of the appended claim.

I am aware of the existence of multiple tool posts and do not broadly claim such a device, but

What I do claim and desire to protect by Letters Patent is:—

In a multiple tool post, a slide adapted to engage a lathe carriage and having a longitudinal channel in one end thereof which is shallower in depth at its inner end and having a socket in the outer end thereof, a body rotatably mounted on the slide adapted to

hold a plurality of tools and having a plurality of radial concaved recesses in the bottom thereof, a lever fitting in said channel and projecting therefrom, the said lever having an aperture in its inner end and an upper segmental catch adapted to engage in the said concave recesses, a screw passing through the aperture in the lever and engaging in the slide at the inner end of the chan-

nel to pivot the lever in the channel, and a coiled spring seated in the said socket to yieldingly press the lever upward.

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

ARTHUR E. BEAN.

Witnesses:

LIDA C. BEAN,

WILLIAM D. J. MILLER.