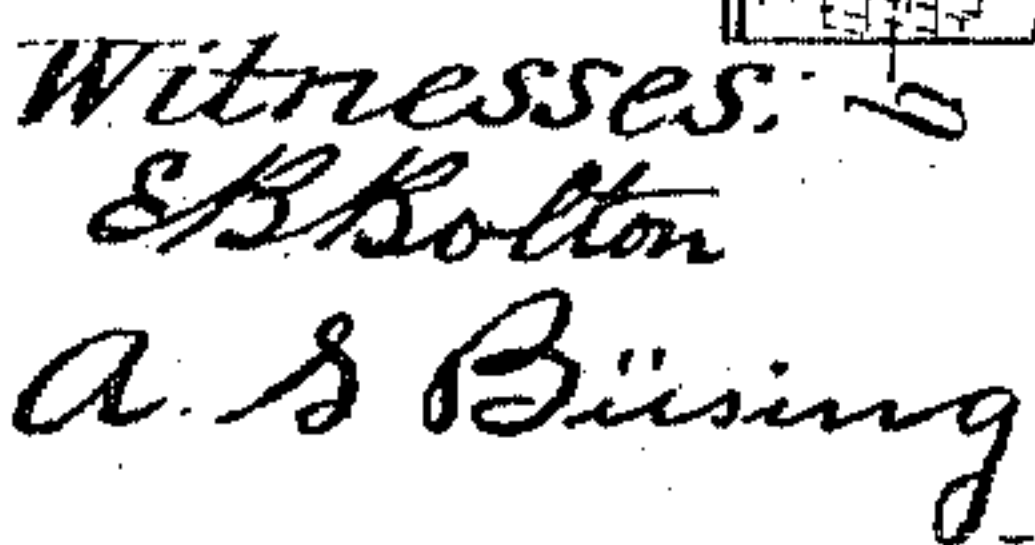


G. SILLER.
VISE.

Patented Oct. 2, 1894.



Inventor:
Gottlob Siller
Richard A
His Attorneys.

UNITED STATES PATENT OFFICE.

GOTTLOB SILLER, OF ESSLINGEN, GERMANY.

WISE.

SPECIFICATION forming part of Letters Patent No. 526,753, dated October 2, 1894.

Application filed January 11, 1894. Serial No. 496,555. (No model.)

To all whom it may concern:

Be it known that I, GOTTLOB SILLER, merchant, a subject of the King of Würtemberg; and resident of Esslingen-on-the-Neckar, in the Kingdom of Würtemberg, German Empire, have invented certain new and useful Improvement in a Parallel Vise Adjustable Horizontally on its Guideway, of which the following is a specification.

My invention relates particularly to the manner of adjusting the vise circularly into different positions.

In the drawings, Figure 1, is a side elevation, Fig. 2, a similar view of the upper part, and Fig. 3, a similar view of the lower part separated from each other. Fig. 4, is a bottom plan view of the base portion of the upper part. Fig. 5, is an end view of the upper part, and Fig. 6, is a plan view of the lower base portion. Shown in Fig. 3.

On the plate *p* of the clamp bracket *B* having the set screw *s* is a vertical screw *r*, threaded into the circular boss or projection *x*. This screw may be turned by the star wheel *R* thereon and it has a head *k* adapted to fit into the socket *e'* of the base portion *a* of the upper part of the vise said base part having the ways or grooves *e* to receive the star and semicircular edges to fit the circular projection *x* and to turn thereon in adjusting the vise, for which purpose the star wheel is turned to lift the head *k* from its position shown in Fig. 1 to free it from con-

tact with the edge *f*. The upper part of the vise may now be turned to any desired radial position and there fixed by turning the star wheel *R* again to draw the head *k* of the screw down on the flange or edge *f*.

The vise proper comprises the relatively stationary part *O* on the base *a* and the movable part *O'*, the slide *P* of which is guided in the way *F* formed in the part *O*, said way having a centering groove *n* to receive the guide rib *n'* on the slide *P*. The movable part is operated by the spindle *s* screw threaded at *g* into the bore *b* of the part *O*.

I claim—

In combination, the base plate *p* having the circular boss *x*, the upper portion *O* having the base part *a* formed with the socket *e'*, the grooves *e* and the semi-circular edges to bear on the boss *x*, the screw passing through the boss and having a head *k* engaging the socket *e'*, the wheel on the screw and arranged in the grooves *e* for turning the screw and the movable part *O'* with means for adjusting the same, substantially as described.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

GOTTLOB SILLER.

Witnesses:

EDUARD BÜTTNER,
OTTO THONKE.