



# UNITED STATES PATENT OFFICE.

GOTTLLOB 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, GOTTLLOB 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.

GOTTLLOB SILLER.

Witnesses:

EDUARD BÜTTNER,  
OTTO THONKE.