V. H. KELLER.

MULTIPLE TOOL.

APPLICATION FILED MAR. 20, 1911.

1,001,280. Patented Aug. 22, 1911.

Fig. 1.

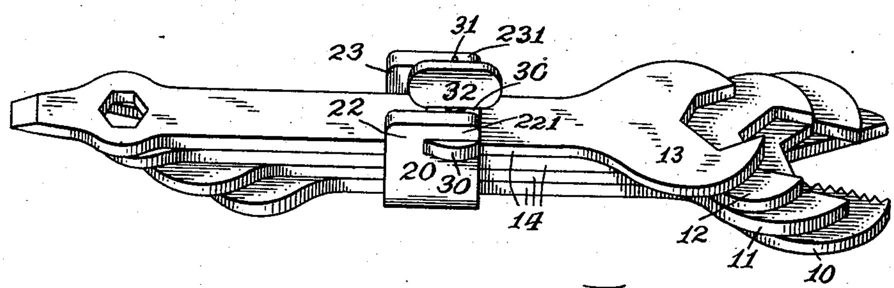


Fig. 2

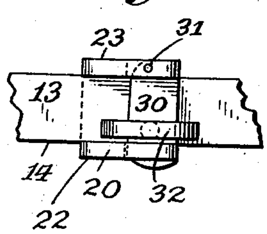


Fig. 3.

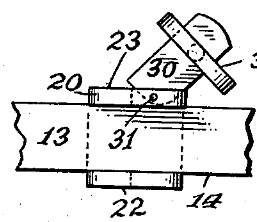


Fig. 4.

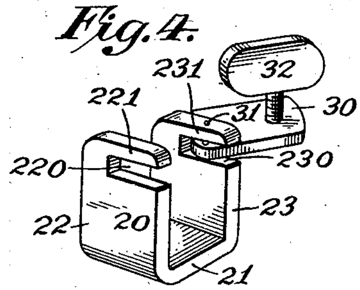


Fig. 5.

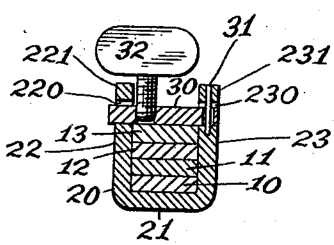
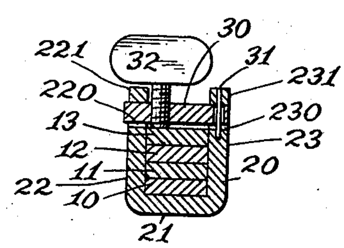


Fig. 6.



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MULTIPLE TOOL.

1,001,280. Specification of Letters Patent. **Patented Aug. 22, 1911.**

Application filed March 20, 1911. Serial No. 615,596.

To all whom it may concern:

Be it known that I, VERNET H. KELLER, a citizen of the United States, residing at Hatfield, in the county of Hampshire and State of Massachusetts, have invented certain new and useful Improvements in Multiple Tools, of which the following is a specification.

This invention relates to multiple tools and its novelty consists in the construction and adaptation of the parts as will be more fully hereinafter pointed out.

In the drawings Figure 1 is a perspective of a tool embodying my invention, the blades being shown superimposed upon one another in the holder. Fig. 2 is a top plan view of a portion of the blades and the holder, the clamp plate being shown in a locked position. Fig. 3 is a view similar to Fig. 2 with the clamp plate shown in an unlocked position. Fig. 4 is a perspective view of the holder. Fig. 5 is a vertical section through the blades and holder in front of the clamping screw with the clamp plate in an unlocked position, and Fig. 6 is a view similar to Fig. 5 with the clamp plate in a locked position.

In the form of the device illustrated in the drawings, a series of flat blades 10, 11, 12 and 13, each with straight edges 14 which are substantially parallel and each of the blades provided at their respective ends with appropriate tool heads are shown inclosed in a common holder 20. This holder is of peculiar form and comprises a metal strap essentially U-shaped with a flat base 21 and rectangular sides 22 and 23 adapted to embrace or encircle the entire series of blades when the latter are in position within it. The side 22 is provided with a recess 220 and the side 23 with a recess 230. The portions of the sides above the recesses are designated respectively 221 and 231.

30 is a flat clamping plate adapted loosely to fit within the two recesses 220 and 221. In the preferred form shown it is adapted to swing upon a pintle rod 31 transversely secured across the recess 230 of one side 23 and thus to be moved to and from the recess 220 of the other side 22. The clamping plate is provided with a threaded aperture adapted to receive a thumb screw 32.

In use the blades are superimposed one above the other in the holder, the clamping plate being in the position shown in Figs. 3 and 4. After the blades are in position the clamping plate is swung over to the position shown in Figs. 1, 2 and 5, engaging both recesses. It will be seen that the clamp plate 30 rests upon the upper surface of the blade 13 and that a clear space is left between this plate and the upper portions 221 and 231 of the sides 22 and 23. While in this position of the plate the blades are free to be slid within the holder 20.

In order to secure the blades in position the thumb screw 32 is advanced until its lower extremity impinges against the upper surface of the blade 13 and then further advanced until the clamping plate 30 is securely locked against the under edges of the portions 221 and 231 of the sides 22 and 23.

What I claim as new is:—

1. In a device of the character described, a holder for a series of multiple tools comprising a base member and two upwardly extending side members each provided with a recess, a clamp plate adapted to fit within the recesses and means for moving it therein to and from the direction of the base member.

2. In a device of the character described, a holder for a series of multiple tools comprising a base member and two upwardly extending side members each provided with a recess, a clamp plate adapted to fit within the recesses and means for moving it therein to and from the direction of the base member including a thumb screw adapted to pass through a threaded aperture in the clamp plate.

3. In a device of the character described, a holder for a series of multiple tools comprising a base member and two upwardly extending side members each provided with a recess, a clamp plate adapted to fit within the recesses and hinged loosely to swing in both recesses and means for moving it therein to and from the direction of the base member.

4. In a device of the character described, a holder for a series of multiple tools comprising a base member and two upwardly extending side members each provided with a recess, a clamp plate adapted to fit within the recesses and hinged loosely to swing in both recesses and means for moving it therein to and from the direction of the

base member including a thumb screw adapted to pass through a threaded aperture in the clamp plate.

5. In a device of the character described, a holder for a series of multiple tools comprising a base member and two upwardly extending side members, each provided with a recess, one being free and the other having a pintle, a clamp adapted to swing on the pintle and to fit within the other recess.

6. In a device of the character described, a holder for a series of multiple tools comprising a base member and two upwardly extending side members, each provided with a recess, one being free and the other having a pintle, a clamp adapted to swing on the pintle and to fit within the other recess and means for moving it in said recess to and from the direction of the base member.

7. In a device of the character described, a holder for a series of multiple tools comprising a base member and two upwardly extending side members, each provided with a recess, one being free and the other having a pintle, a clamp adapted to swing on the pintle and to fit within the other recess and means for moving it in said recess to and from the direction of the base member including a thumb screw adapted to pass through a threaded aperture in the clamp plate.

In testimony whereof I have affixed my signature in presence of two witnesses.

VERNET H. KELLER.

Witnesses:
THOS. MULLANY,
DAVID MULLANY.