

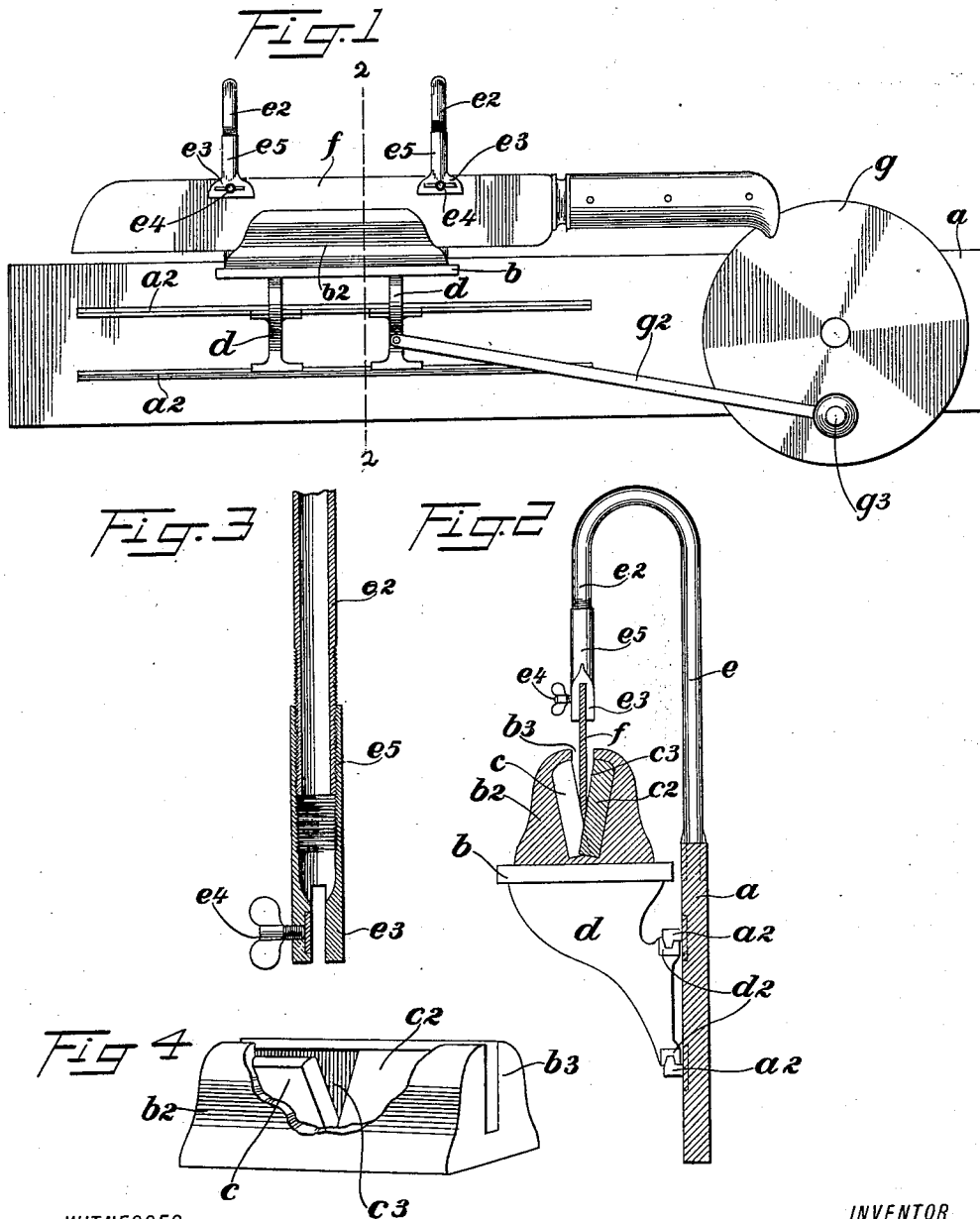
No. 700,562.

Patented May 20, 1902.

A. P. RUHL.
KNIFE SHARPENING DEVICE.

(Application filed Jan. 8, 1902.)

(No Model.)



WITNESSES
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UNITED STATES PATENT OFFICE.

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KNIFE-SHARPENING DEVICE.

SPECIFICATION forming part of Letters Patent No. 700,562, dated May 20, 1902.

Application filed January 8, 1902. Serial No. 88,843. (No model.)

To all whom it may concern:

Be it known that I, AMOS P. RUHL, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Knife-Sharpening Devices, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide an improved knife-sharpening device which is simple in construction and operation and which is adapted to be connected with a wall or other suitable support and by means of which a knife may quickly and easily be sharpened; and with these and other objects in view the invention consists in a device of the class specified constructed as hereinafter described and claimed.

In the drawings forming part of this specification, in which the separate parts of my improvement are designated by the same reference characters in each of the views, Figure 1 is a front view of my improved knife-sharpening device; Fig. 2, a transverse section thereof on the line 2 2; Fig. 3, a sectional view of a detail of the construction, and Fig. 4 a perspective view of a detail of the construction and showing a slight modification thereof.

In the practice of my invention I provide an oblong plate or board *a*, composed of any desired material, and said plate or board is provided with two tracks or ways *a*², which are arranged parallel and which may be formed integral therewith or be formed separate therefrom and secured thereto in any desired manner, and in connection with the tracks or ways *a*² I provide a steel or stone holder comprising a plate *b*, with the top of which is connected an oblong block *b*², having a longitudinal central opening *b*³ in the top thereof, which extends downwardly thereinto and in the opposite side of which are placed stones or steels *c* and *c*², two of which are preferably employed, and said stones or steels are held at an inclination in such manner that a V-shaped space *c*³ is provided between the same, and said stones or steels are also arranged in the opposite ends of the oblong

block *b*² and are closely adjacent, as shown in Fig. 4.

The plate *b* and the block *b*² may be formed integral, if desired, or may be connected in any desired manner if formed separately, and secured to the plate *b* or formed integral therewith are downwardly-directed legs *d*, which are provided with longitudinal grooves *d*², adapted to receive the tracks or ways *a*², and the plate *b* and the block *b*² and the legs *d* constitute a slide for holding the steels or stones *c* and *c*², and said slide is movable on the tracks or ways *a*², as will be readily understood.

Secured to the top portion of the plate or board *a* at suitable intervals are upwardly-directed members *e*, having forwardly-curved downwardly-directed arms *e*², and these arms *e*² are provided with clamp members *e*³, designed to hold a knife *f*, and said clamp members are provided each with a thumb-screw *e*⁴ for holding the knife in place. The clamp members *e*³ are provided with tubular shanks *e*⁵, which are telescopically connected with the arms *e*² and adjustable thereon by means of a screw-thread, as clearly shown in the drawings, and by means of this construction the position of the knife may be vertically adjusted or the said clamps may be adapted for use in holding knives the blades of which are of different widths.

When the knife is in the position for sharpening, the blade thereof extends downwardly into the block *b*² and between the steels *c* and *c*², as clearly shown in Figs. 1 and 2, and said steels or stones press on the opposite sides thereof, and all that is necessary to sharpen the said knife or the blade thereof is to move the slide which holds said stones or steels longitudinally on the plate or board *a*. In order to move the slide which holds the stones or steels as above described, I secure to the plate or board *a* at or near the right-hand end thereof a disk or plate *g*, with which is eccentrically connected a crank-rod *g*², which is pivotally connected with the slide or one of the legs thereof, as shown in Fig. 1, and all that is necessary to move said slide in the manner specified is to turn the disk or plate *g*, which is provided with a handle *g*³ for this purpose.

This device is simple in construction and operation and perfectly adapted to accomplish the result for which it is intended, and changes in and modifications of the construction herein shown and described may be made without departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A knife-sharpening device comprising a plate or support, parallel tracks or ways connected with one side of said support, a slide movable longitudinally of said tracks or ways and provided in the top thereof with a longitudinal opening which is V-shaped in cross-section, stones or steels placed in the opposite sides of said opening and at the opposite ends thereof, a crank-wheel connected with said plate or support and in operative connection with said slide, said plate or support being also provided with upwardly-directed members having downwardly-directed arms provided with vertically-adjustable jaws adapted to hold a knife-blade so that the edge

thereof will pass between said stones or steels, substantially as shown and described.

2. A knife-sharpening device comprising a plate or support, parallel and longitudinal tracks or ways connected therewith, a slide movable longitudinally of said tracks or ways and provided at the top thereof with an opening, stones or steels placed in the opposite sides of said opening and at the opposite ends thereof and separated by an inclined space, means for reciprocating said slide longitudinally of the plate or support and vertically-adjustable devices for mechanically holding a knife over said slide so that the blade will enter the space between the stones or steels, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 2d day of January, 1902.

AMOS P. RUHL.

Witnesses:

F. A. STEWART,

F. F. TELLER.