(No Model.)

J. PAQUET.

KNIFE SHARPENER.

No. 590,624. Patented Sept. 28, 1897.

Fig. 1.

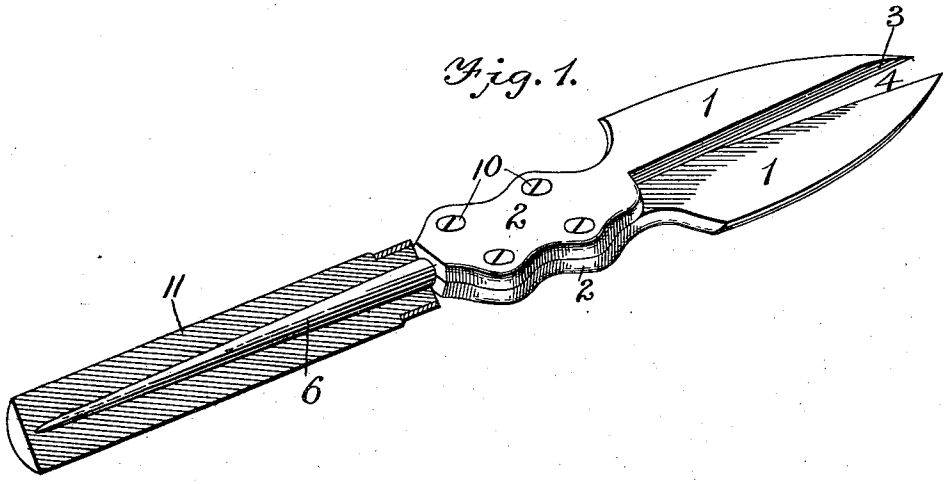

Fig. 2.

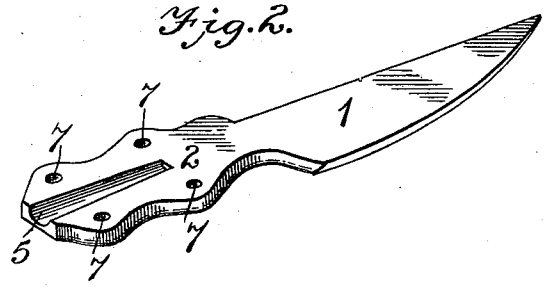

Fig. 3.



Inventor
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Witnesses
Edwin G. McKee
Edwin Cruse.

By his Attorneys,
C. A. Snow & Co.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOSEPH PAQUET, OF POUGHKEEPSIE, NEW YORK, ASSIGNOR OF TWO-THIRDS TO CHARLES VALENTINE AND CHARLES GUTH, OF SAME PLACE.

KNIFE-SHARPENER.

SPECIFICATION forming part of Letters Patent No. 590,624, dated September 28, 1897.

Application filed May 10, 1897. Serial No. 635,912. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH PAQUET, a citizen of the United States, residing at Poughkeepsie, in the county of Dutchess and State of New York, have invented a new and useful Knife-Sharpener, of which the following is a specification.

This invention relates to knife-sharpeners of that class in which the edge of the knife is drawn between the crossing edges of tempered-steel blades; and the object of the invention is to provide a simple and efficient device of this character which may be manufactured and sold at a very low cost.

The invention consists of the several details of construction, combination, and arrangement of parts, as will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings, Figure 1 is a perspective view of the knife-sharpener, the handle being shown in section. Fig. 2 is a perspective view of one of the blades detached. Fig. 3 is a transverse section through the rear plate portions of the blades and the shank.

Similar reference-numerals indicate similar parts in the several figures.

1 indicates the sharpening-blades, each of which is provided at its rear end with an enlarged plate portion 2, which is integral with the blade. Each blade tapers toward its front end and each is beveled on one side, as indicated at 3, in order to form a knife-edge. The knife-edge of each blade extends at an obtuse angle to the central longitudinal line of its plate 2. The respective blades are beveled on opposite sides, and when the plates 2 are secured together with the flat faces of the blades opposing each other the knife-edges will diverge toward the front end of the sharpener and form a V-shaped opening 4 between them for the insertion of the knife to be sharpened, and when the knife to be sharpened is drawn through this opening with its edge in the apex of the opening a sharp edge will be formed on the knife by the crossing edges of the blades 1, which will cut or shave a slight sliver from each side of the blade of the knife being sharpened.

Each of the plate portions 2 is provided with a groove 5 on its inner face, and when the two plates are in their proper relative positions these grooves will register and form a socket for the end of the shank 6. One of the plates is provided with a series of threaded openings 7, and the other plate 2 is provided with a series of openings 8, adapted to register with the openings 7 when the plates are in their proper position. The openings 8 are countersunk, as indicated at 9, for the reception of the heads of the screws 10, by means of which the two plates are firmly secured together. It is obvious that when the plates 2 are clamped together by means of screws 10 the blades 1 will be securely held against movement relatively to each other, and at the same time the shank 6 will be firmly clamped between the two plates and thereby afford a secure attachment for the handle 11 to the sharpener. It is of course to be understood that the blades 1 will be of tempered steel and that the handle 11 may be made of any suitable material at the option of the manufacturer.

It will be understood that changes in the form, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of th advantages of this invention.

Having thus described the invention, what I claim is—

1. A knife-sharpener consisting of two tapering blades, each of which is beveled on one side to form a knife-edge, and each of which is provided at its rear end with an enlarged plate portion integral therewith and from the central longitudinal line of which the knife-edge of the blade extends at an obtuse angle, and means to secure the plate portions firmly together with the flat side of the blades opposing each other, and with their knife-edges diverging toward the front end of the sharpener, substantially as described.

2. A knife-sharpener consisting of two blades, the knife-edges of which cross each other, and each blade having an integral plate portion at its rear end, each of said plate portions having a groove in its inner face, which grooves are adapted to register to form a shank-receiving socket, and one of said plate portions having a series of threaded openings and the other a similar series of

countersunk openings which register with the said threaded openings, screws secured in said openings to clamp the plate portions together, and a shank clamped in said socket, substantially as described.

3. A knife-sharpener consisting of two tapering blades each of which is beveled on one side to form a knife-edge, and each of which is provided at its rear end with an enlarged plate portion integral therewith, and from the central longitudinal line of which the knife-edge of the blade extends at an obtuse angle, each plate portion having a groove extending centrally and longitudinally thereof on its inner face, said grooves, when registered, forming a shank-receiving socket, and means to secure the plate portions firmly together with the flat side of the blades opposing each other and with the shank clamped in its socket, substantially as described.

4. A knife-sharpener consisting of two blades the knife-edges of which cross each other each blade having an integral plate portion at its rear end, each of said plate portions having a groove in its inner face, which grooves are adapted to register to form a shank-receiving socket, and means to clamp the plate portions together with the shank between them, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOSEPH PAQUET.

Witnesses:
CHARLES HIEF,
WILLIAM MÜLLERSCHÖN.