No. 675,021. Patented May 28, 1901.

J. F. SMITH & J. S. HULL.

SHARPENER FOR CUTLERY, &c.

(Application filed Sept. 11, 1900.)

(No Model.)

FIG. 1.

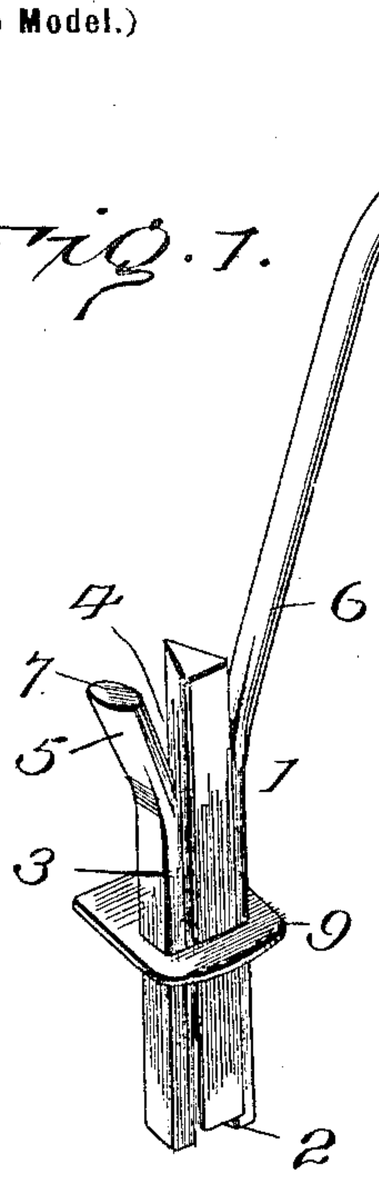


FIG. 2.

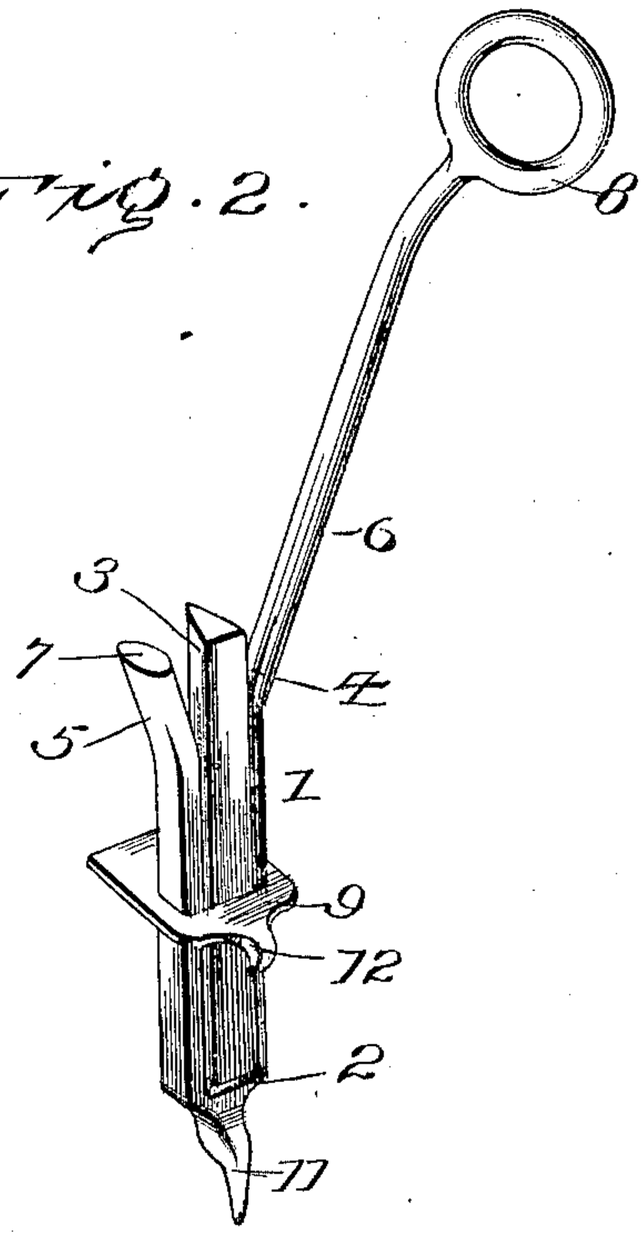


FIG. 3.

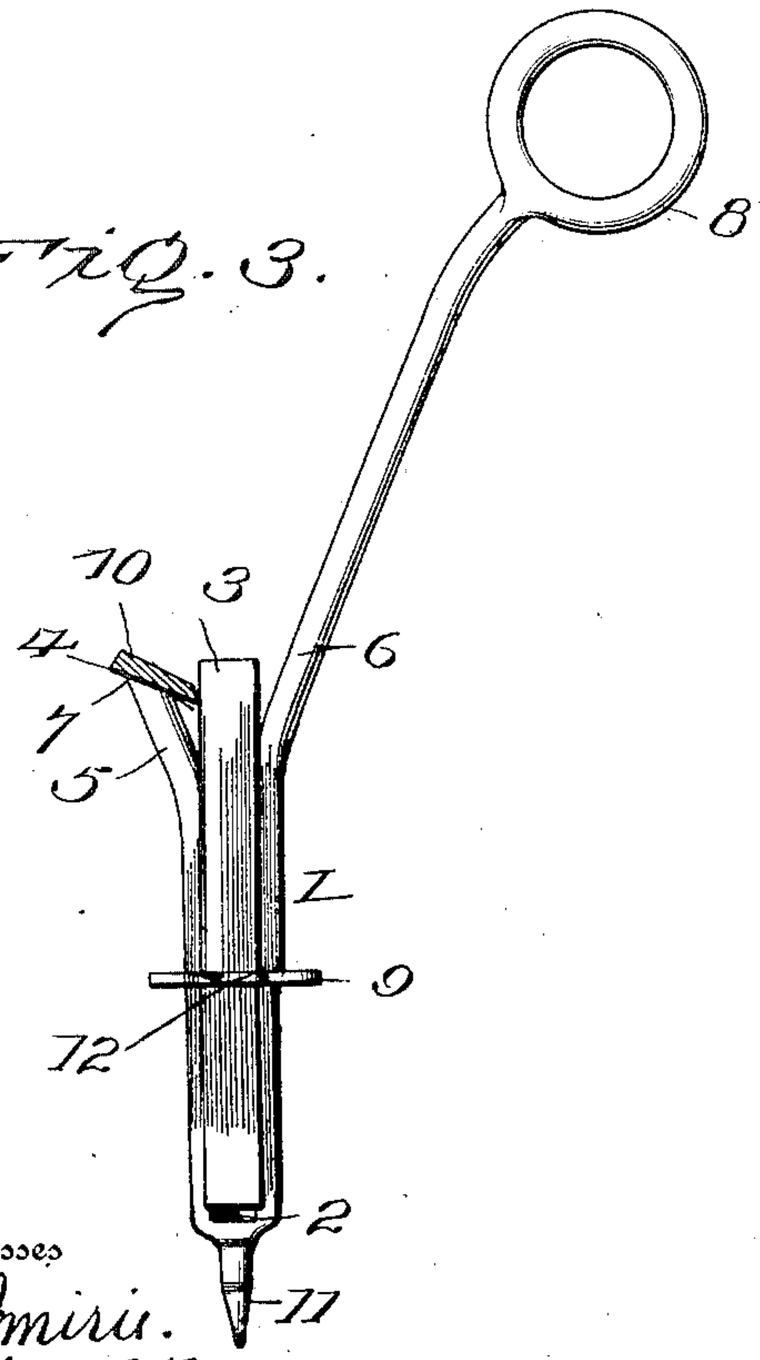
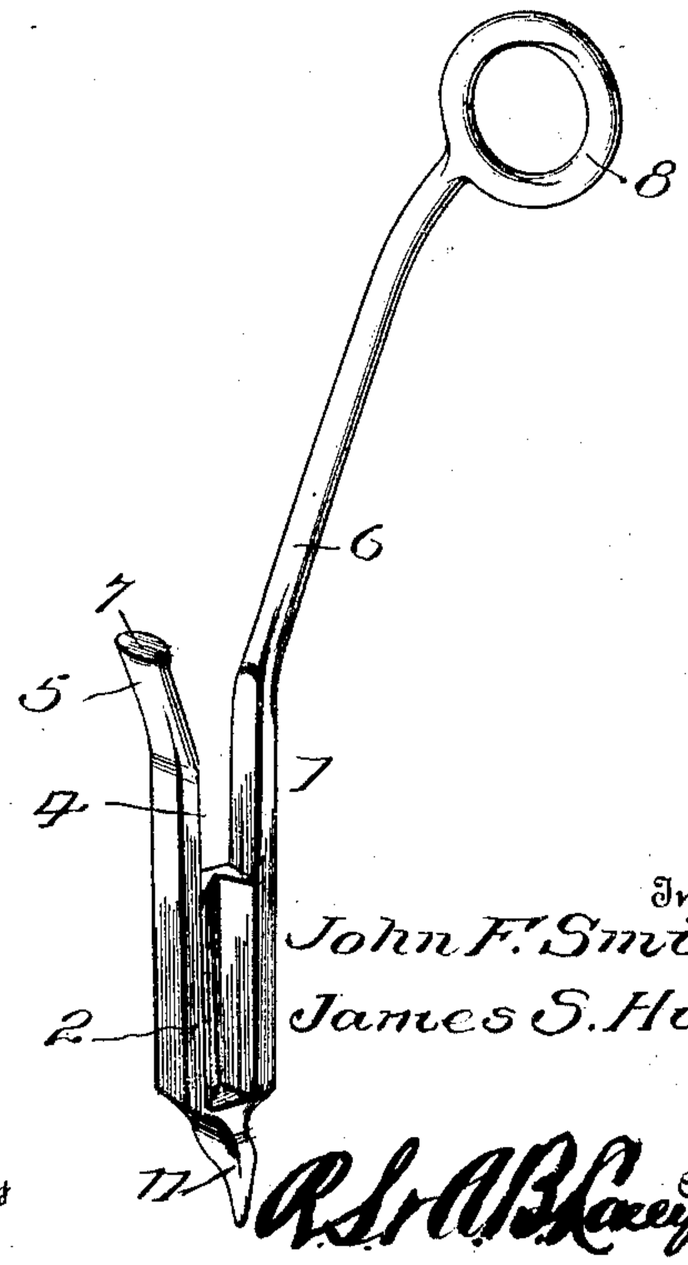


FIG. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN F. SMITH AND JAMES S. HULL, OF NEW YORK, N. Y.

SHARPENER FOR CUTLERY, &c.

SPECIFICATION forming part of Letters Patent No. 675,021, dated May 28, 1901.

Application filed September 11, 1900. Serial No. 29,723. (No model.)

To all whom it may concern:

Be it known that we, JOHN F. SMITH and JAMES S. HULL, citizens of the United States, residing at New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Sharpeners for Cutlery, Scissors, and the Like; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to the class of cutlery-sharpeners comprising a steel against which the edge of the knife, scissors, and the like is drawn when sharpening the same, the object being the provision of a device of the nature aforesaid which can be conveniently held in a given position without fatigue to the user during the operation of sharpening the article to be edged.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and drawings hereto attached.

While the essential and characteristic features of the invention are necessarily susceptible of modification, still the preferred embodiment of the invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the device. Fig. 2 is a perspective view of the device, showing the stock formed with a centering-spur and the binder or clamp having a cutting-point. Fig. 3 is a front view showing a scissors-blade in position for sharpening. Fig. 4 is a detail view of the stock or frame stripped.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The stock or frame 1 in general outline approximates the form of a bar and is provided in its front face with a seat 2, in which is adjustably fitted the steel 3. The seat 2 and steel 3 may have any cross-sectional outline best adapted for the particular use of the sharpener. As shown, the steel 3 is of triangular form in cross-section and the seat 2 is of V shape. The seat 2 extends through the rear side of the stock or frame for a short distance from its upper end, as shown at 4, and divergent arms 5 and 6 are provided at the upper end of the stock or frame and form extensions of the parts separated by the space 4. The arm 5 is considerably shorter than the arm 6 and is a stub by comparison, and its upper end is inclined, as shown at 7, to form a rest for a scissors-blade or like part having an abrupt beveled portion forming the cutting edge. The arm 6 is of considerable length and terminates in a ring 8, adapted to receive a finger of the hand grasping said arm to steady the sharpener when in use.

The steel 3 is adjustable in the seat 2 to enable new portions to be brought into position for use when required. This steel is held in the adjusted position by means of a binder or clamp 9, which is in the form of a bent or apertured plate and adapted to encircle the stock or frame 1 and the steel. The stock or frame tapers slightly in thickness toward its upper end, which is somewhat thinner than the lower portion, and the top side of the steel 3 projects a slight distance beyond the front face of the stock to be engaged by the binder or clamp, which operates by a wedging action when drawn upon the stock or frame toward the lower end thereof.

The divergent arms 5 and 6 constitute rests for table-cutlery or kindred articles to be sharpened, the blades being placed against the inner sides of said arms and drawn with their edges in contact with the adjacent edges of the steel, whereby the sharpening is effected in the manner well understood. To sharpen scissors or the like, the shear-blade 10 is placed upon the inclined end 7 of the stub-arm 5 and is drawn thereover with the edge to be sharpened bearing against the adjacent edge of the steel. The device is adapted to be firmly held when in operation by means of the steadying-arm 6, which is grasped firmly in the hand, the hold being made more secure by a finger passing through the ring 8.

The capabilities of the device are enhanced by providing the lower end of the stock or frame with a centering-spur 11, which is offset to enable said spur to pass through the

top of a can or like package to be opened. The binder or clamp 9 is likewise provided with a cutting-point 12, which is of hook form, and this cutting-point is adapted to penetrate the top of the can or package, so as to sever the same in the rotation of the device about the centering-spur 11. The primary purpose of the centering-spur 11 is to fix the position of the device when used in the capacity of a can-opener; but it is admirably adapted to prevent slipping of the device when used in the capacity of a sharpener, the spur 11 being forced into the top of a table or other article convenient at hand when the device is used for sharpening edged implements.

Having thus described the invention, what is claimed as new is—

In a sharpener of the character described, a stock provided at its lower end with a centering-spur and having divergent arms at its upper end, one of the arms being longer than the other and adapted to be grasped when the device is in use, and a sharpening-steel secured to the stock, substantially as specified.

In testimony whereof we affix our signatures in presence of two witnesses.

JOHN F. SMITH. [L. S.]
JAMES S. HULL. [L. S.]

Witnesses:
J. PAUL SCHUBERT,
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