(No Model.)

J. P. SOLLERS.

SCISSORS SHARPENER.

No. 589,626. Patented Sept. 7, 1897.

Fig. 1.

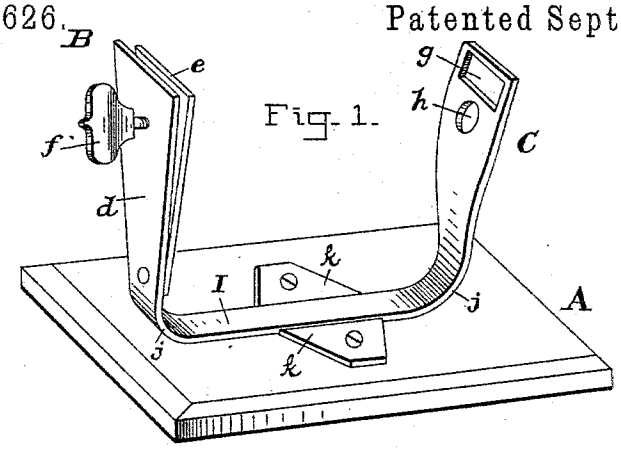


Fig. 2.

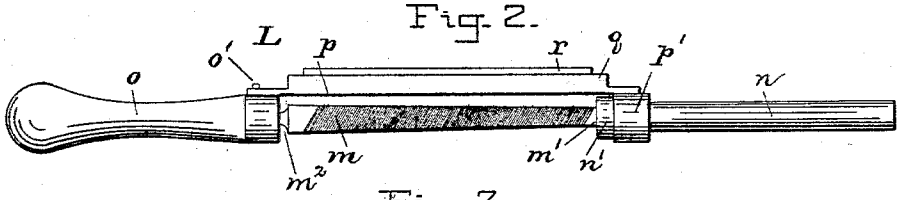


Fig. 3.

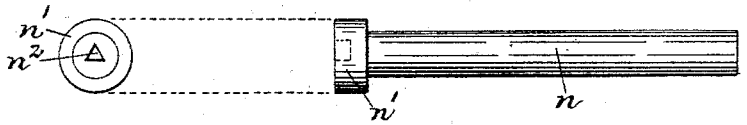
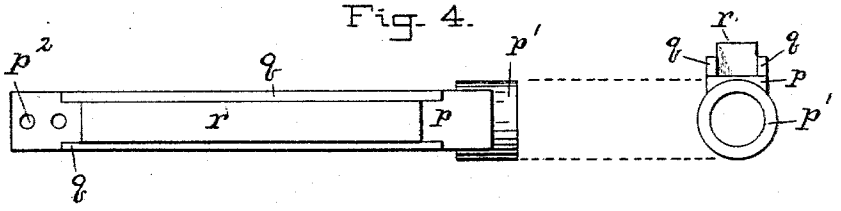


Fig. 4.



WITNESSES—

Chapin A. Ferguson

Charles B. Mann Jr.

INVENTOR—

Joseph P. Sollers

By Chas B. Mann

ATTORNEY.

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

UNITED STATES PATENT OFFICE.

JOSEPH P. SOLLERS, OF BALTIMORE, MARYLAND.

SCISSORS-SHARPENER.

SPECIFICATION forming part of Letters Patent No. 589,626, dated September 7, 1897.

Application filed January 22, 1897. Serial No. 620,235. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH P. SOLLERS, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Scissors-Sharpeners, of which the following is a specification.

This invention relates to an improved device for sharpening scissors, which will first be described and then the parts or features constituting the novel improvement will be pointed out in the claims.

In the drawings, Figure 1 is a perspective view of the scissors-holder and file-guide. Fig. 2 is a side view of the file-holder. Figs. 3 and 4 show parts of the file-holder in detail.

The letter A designates a block or foundation of suitable size and shape to support the scissors-holder B and file-guide C, which two parts are made of metal and united in one connected construction independent of the foundation. The scissors-holder comprises a standard *d*, which has a clamp-jaw *e*, operated by a screw *f*. The file-guide comprises a standard having at its upper end an oblong or square opening *g* and below said opening a circular hole *h*. The scissors-holder standard and the file-guide standard both project upward from opposite ends of a base-bar I. In fact, the said horizontal base-bar and two standards are integral and are connected by curved parts *j*. The base-bar I has lateral ears or flanges *k*, through which screws pass into the block or foundation A. By this construction of clamp-standard B, file-holder guide C, and base-bar I, connecting said two parts all in one piece, the proper relative position of said parts is assured at all times, no matter how or where they may be mounted. A certain definite position of the file-holder guide C relative to the scissors-clamp is important, because the effect of the file on the edge of the scissors-blade is determined by such position. Heretofore these two parts have been made separately, and the result was that inexperienced persons would fail to get them adjusted so as to produce good results. My arrangement of permanently connecting said two parts in one integral piece avoids the objection referred to.

The file-holder L consists of three parts and is constructed to operate an ordinary three-cornered file *m*. It has a rod end *n*, provided at one extremity with a flange or ring-shoulder *n'* and a socket n^2, opening into the end at the center of said ring-shoulder. This socket is for the reception of the point end *m'* of the file. It also has a handle *o*, which is provided with a ferrule having a lateral pin *o'*. The handle also has in its ferrule end a socket similar to that in the rod end, said socket to receive the shank or prong m^2 of the file. A union-bar *p* has at one end a collar *p'*, which takes around the said rod end *n* and bears against the ring-shoulder *n'* thereon, as seen in Fig. 2, while the other end of the union-bar is provided with one or more holes p^2, one of which engages the lateral pin *o'* on the handle. Thus the union-bar connects the rod end *n* and handle *o* and binds them together with the file *m* securely held between them. The union-bar has on its upper side two parallel flanges *q*, extending longitudinally and forming on top a channel in which a stone *r* is secured. The two flanges *q* clamp the sides of the stone and hold it in position. By this construction the file *m* is below the union-bar *p* and the stone *r* above it.

In operation the rod end *n* will be in the opening *g* or hole *h*, as may be, and the file will be in position above the scissors-blade, held by the clamp-jaw *e*. The reciprocation of the file-holder will then sharpen the scissors. After using the file the file-holder may be given a half-turn to bring the whetstone *r* below, and then by again reciprocating the file-holder the stone will act on the blade of the scissors.

Having thus described my invention, what I claim is—

1. In a scissors-sharpener, the combination of a clamp-standard; a guide-standard having an opening; a base supporting said two parts; and a file-holder having three detachable parts—a rod end provided with a ring-shoulder and adapted to hold one end of a file, a handle to hold the other end of a file, and a union-bar having at one end a collar which surrounds the rod end and bears against the said ring-shoulder and whose other end is attached to the handle, as set forth.

2. The combination of a rod end, *n*, provided with a ring-shoulder; a handle; a union-bar having at one end a collar which sur-

rounds the said rod end and bears against the shoulder and having its other end attached to the handle; and a file one end of which is held in the rod end and the other end in the handle, as set forth.

3. The combination of a rod end, *n*, provided with a ring-shoulder; a handle; a union-bar having at one end a collar which surrounds the said rod end and bears against the shoulder and having its other end attached to the handle, and provided with two longitudinal parallel flanges forming a channel; a whetstone clamped between the said two flanges; and a file one end of which is held in the rod end and the other end in the handle, as set forth.

In testimony whereof I affix my signature in the presence of two witnesses.

JOSEPH P. SOLLERS.

Witnesses:

CHARLES B. MANN, Jr.,

NATHANIEL D. SOLLERS.