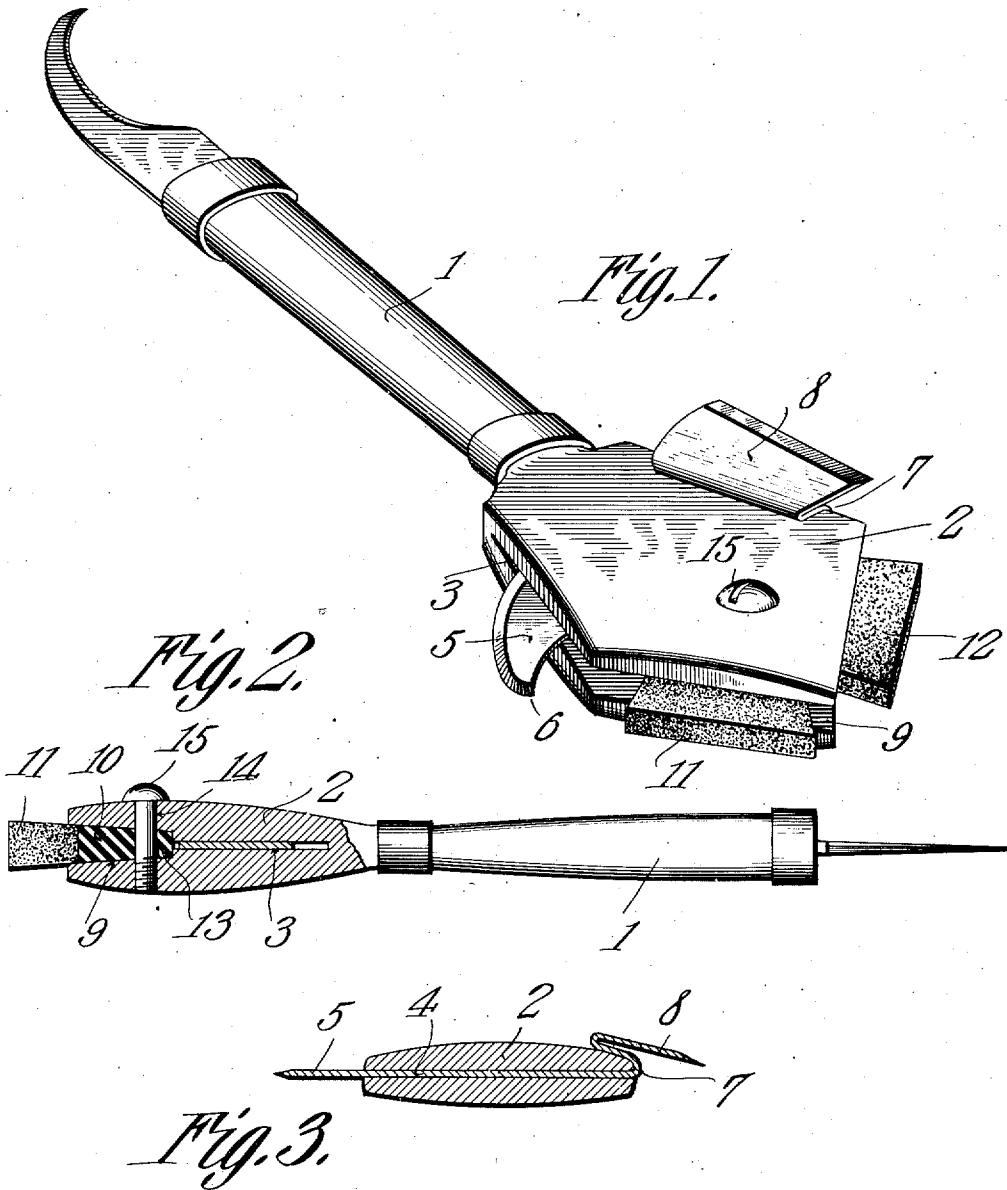


E. H. HUMPHREY.
PENCIL SHARPENER.
APPLICATION FILED NOV. 14, 1908.

939,133.

Patented Nov. 2, 1909.



Witnesses

E. J. Stewart
Robert D. Lawson

Inventor
Edwin H. Humphrey.

By *C. A. Snow & Co.*
Attorneys

UNITED STATES PATENT OFFICE.

EDWIN HALL HUMPHREY, OF NORTH CLYMER, NEW YORK, ASSIGNOR OF ONE-HALF
TO N. S. COVEY, OF CORRY, PENNSYLVANIA.

PENCIL-SHARPENER.

939,133.

Specification of Letters Patent.

Patented Nov. 2, 1909.

Application filed November 14, 1908. Serfal No. 462,735.

To all whom it may concern:

Be it known that I, EDWIN HALL HUMPHREY, a citizen of the United States, residing at North Clymer, in the county of Chautauqua and State of New York, have invented a new and useful Pencil-Sharpener, of which the following is a specification.

This invention relates to pencil sharpeners and its object is to provide a device of this character having two varieties of rubber erasers combined therewith one for use in removing ink marks and the other for use in removing pencil marks, said device also including a steel eraser for scratching ink-

marks and the like from sheets of paper. Another object is to provide a device of this character the working parts of which can be readily removed and new ones substituted therefor in the event of wear or break-

age. Another object is to provide a pencil-sharpener and steel eraser formed in one piece and which can be readily stamped or otherwise formed from a strip of steel.

With these and other objects in view the invention consists of certain novel details of construction and combinations of parts hereinafter more fully described and pointed out in the claims.

In the accompanying drawings the preferred form of the invention has been shown.

In said drawings:—Figure 1 is a perspective view of the device. Fig. 2 is a longitudinal section through the head of the tool. Fig. 3 is a detail view of the combined pencil-sharpener and scratcher.

Referring to the figures by characters of reference 1 designates a handle which if desired can be formed of material suitable for burnishing and this handle has a head 2 at one end slotted transversely in the direction of its length as indicated at 3 so as to receive a metal strip 4 one end of which is rounded as shown at 5 to constitute an ink scratcher, said rounded portion being sharpened and preferably coming to a point 6 at the front end thereof. The other end of the strip 4 is folded back on itself so as to lap a portion of one edge of the head 2 and the terminal portion of said strip 4 extends beyond this folded end 7 of the strip as indicated at 8, the end edge of this terminal portion being sharpened so as to constitute an efficient pencil-sharpener.

The slot 3 is enlarged transversely at its

outer end as indicated at 9 so as to receive the inner end of a rubber eraser 10 which is preferably substantially V-shaped, one arm 11 of the eraser being formed of a composition particularly designed for erasing pencil-marks, while the other arm 12 is preferably formed of a composition particularly designed for erasing ink-marks. An opening 13 extends through the eraser 10 and registers with an opening 14 formed in the head 2. These openings are designed to receive a screw 15 which is threaded thereinto and which, when tightened, serves to clamp the walls of the slot 3 upon opposite faces of the strip or blade 4 and the walls of the enlarged portion 9 of the slot against opposite faces of the eraser 10. It will be seen therefore that when the parts have thus been tightened it becomes impossible for the strip 4 and the eraser 10 to become displaced and the various parts of the device can therefore readily be used for the purposes for which they are intended.

When it is desired to sharpen a lead-pencil it is merely necessary to grasp the handle 1 and the projecting terminal portion 8 which is provided with a sharpened edge can be used after the manner of a knife-blade for this purpose. To scratch an ink or other mark from a sheet of paper the head 2 is reversed so as to bring the scratching-blade 5 in position where it can be used upon the paper. By holding the handle 1 in a substantially upright position either of the arms 11 and 12 of the eraser can be used for rubbing out marks on paper. Should the scratcher 5 or the blade 8 become broken or worn and it should be deemed desirable to remove them from the head, it becomes merely necessary to loosen the screw 15, whereupon the strip 4 can be withdrawn longitudinally from the slot 3 and a new one inserted. To remove the eraser 10 it is necessary to entirely withdraw the screw 15.

It will be seen that the device here described is very simple, durable and efficient, and can be manufactured at comparatively slight cost. It embodies in one tool various devices which have heretofore been formed separately, but which are constantly necessary in some lines of work, such as drafting, book-keeping and the like.

Various changes may of course be made in the construction and arrangement of the parts without departing from the spirit or

sacrificing the advantages of the invention, such changes being of course within the limits of the claims.

Importance is attached to the fact that the strip 4 is folded back on to the head as indicated at 7. This folded portion thus bears against the head and is positively held against movement relative to the head while a pencil is being sharpened.

10 What is claimed is:—

1. A pencil sharpener comprising a head having a slot therein, a blade extending through the slot and having its end portions projecting beyond opposite portions of the head, one of said end portions being folded on to the head and constituting a sharpener, and means for binding the walls of the slot upon the blade to hold said blade against displacement.

20 2. A pencil sharpener comprising a handle, a head thereon having a slot extending transversely therein, a blade arranged within the slot and having its ends projecting beyond opposite portions of the head, one end of said blade being folded on to the

head and extending laterally therebeyond to constitute a pencil-sharpener, and means extending through the head for binding the walls of the slot upon the blade to hold the blade against movement relative to the head. 30

3. A pencil sharpener comprising a handle, a head thereon having a slot extending transversely therein, a strip extending within and beyond the slot, one projecting end portion of the strip being folded back on to the head so as to fit snugly thereon and thence folded upon itself and extended beyond the head, the end of said projecting portion being sharpened and constituting a cutter, and means extending through the head and transversely of the slot at a point removed from the strip for binding the walls of the slot upon the strip. 35 40

In testimony that I claim the foregoing as my own, I have hereto affixed my signature 45 in the presence of two witnesses.

EDWIN HALL HUMPHREY.

Witnesses:

G. T. KINCAID,
BLAINE KINCAID.