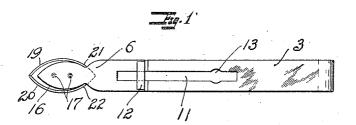
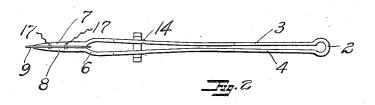
W. C. STEERS. ERASER. APPLICATION FILED MAR. 11, 1918.

1,284,808.

Patented Nov. 12, 1918.







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WITNESS 6. S. Evan INVENTOR.
W. C. STEERS
BY White of Royal

his ATTORNEYS

STATES PATENT OFFIC

WALTER C. STEERS, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR OF ONE-FOURTH TO FRED C. BRATTON AND ONE-FOURTH TO WILLIAM G. HOFFMANN, BOTH OF SAN FRANCISCO, CALIFORNIA.

ERASER.

1,284,808.

Specification of Letters Patent.

Patented Nov. 12, 1918.

Application fled March 11, 1918. Serial No. 221,607.

of the city and county of San Francisco and 5 State of California, have invented a new and useful Eraser, of which the following is a specification.

My invention relates to steel erasers.

An object of the invention is to provide 10 an eraser having a readily renewable blade.

Another object of my invention is to provide an eraser having a blade with a plurality of working edges, any one of which is available by inverting the eraser or re-

15 versing the blade.

My invention possesses other features of advantage, some of which, with the foregoing, will be set forth in the following description of the preferred form of my in-20 vention which is illustrated in the drawings accompanying and forming a part of the specifications. It is to be understood that I do not limit myself to the showing made by the said drawings and description, as I 25 may adopt variations of the preferred form within the scope of my invention as set forth in the claims.

Referring to the drawings:

Figure 1— is a plan view of the eraser;
Fig. 2— is a side view of the eraser;
Fig. 3— is a plan view of the detachable blade of the eraser.

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The purpose of my invention, broadly stated, is to provide an eraser in which the 35 handicap of frequently dulling the blades is lessened by the provision of a replaceable, reversible blade providing a plurality of sharp edges, any one of which may be quickly made available without the necessity 49 for using a sharpening stone. My invention comprises a handle, a replaceable, reversible and invertible blade and means for quickly inserting and securing the blade in the handle.

The handle is preferably formed from a single piece of metal, by stamping and pressure in suitable dies, and consists of a flat piece, circularly bent or folded in the center 2 to give two resilient and resiliently attached leaves 3 and 4. The folded leaves 3 and 4 are curved slightly away from each other through a portion of their length, and near their ends are curved sharply toward each other as at 6, Fig. 2, and then extended 55 to form parallel jaws 7 and 8, between which

Be it known that I, Walter C. Steers, a citizen of the United States, and a resident of the city and county of Sar B. the blade 9 is adapted to lie. A slot 11 is portion diverging toward the in that 6 and an H form latch 12 is disposed in the alined slots. By movement toward the 60 the jaws, the latch clamps the jaws tightly upon the blade. By retracting the latch the jaws separate by reason of the resiliency of the leaves and particularly of the fold 2, Alined enlarged portions 13 of the slots, 65 provide means for inserting the latch 12 in the slot, and preferably a slight projection or bead 14 is formed upon the face of the leaves to prevent undesired slipping of the tightened latch. The resiliency of the leaves 70 permits the latch to be moved over these beads, when it is desired to loosen the jaws from the blade.

The blade is preferably made of relatively very thin and well tempered steel and of 75 ellipsoidal form, having two points. Comparatively only a small portion of the blade is exposed when it is secured in the jaws, and therefore, the jaws are preferably rounded on their outer faces and the edges 80

16, made quite thin.

Means are preferably provided for securing the blade between the jaws in addition to the mere clamping action thereof. Pins 17 are rigidly fixed in the jaw 7 and 85. adapted to seat in shallow recesses in the jaw 8. The blade 9 is provided with apertures 18, symmetrically placed so that the blade may be inserted between the jaws with either end exposed, the pins fitting in 90 the apertures and fixing the position of the blade. The pins also aid in keeping the jaws in perfect alinement. The shape of the jaws and the position of the pins 17 is such that only one point of the blade and 95 about two-thirds of each edge is exposed beyond the edges 16 of the jaws.

Although the blade is formed with two curved sharp edges, four scraping edges 19, 20, 21, 22, as shown in Fig. 3, are provided. 100 When the blade is held in the jaws of the handle as shown in Fig. 1, either of the two edges, 19 and 20, are instantly available by merely inverting the eraser in the hand, which of course also inverts the blade, and 105 by releasing the latch and reversing the blade in the jaws, the edges 21 and 22 are available. In the claims to follow, I shall use the terms "invertible" and "reversible"

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in the senses just defined,

I claim:

1. An eraser comprising a folded metallic strip formed with an eye in the fold thereof to add resiliency thereto, a detachable blade bounded by two curved edges meeting in two points and adapted to be held in said handle, and means slidable on said handle for clamping it to said blade.

2. An eraser comprising a handle formed

2. An eraser comprising a handle formed of a resiliently folded metallic strip terminating in opposed jaws, a replaceable, reversible and invertible blade having two curved edges meeting in two points, and adapted to be held between said jaws with one of its points and a portion of each edge exposed, and means slidable on said handle to clamp said jaws together to hold said blade, or to permit said jaws to open to release said blade.

3. An eraser comprising a folded metallic 20 strip provided with a slot in each leaf there of and formed with an eye in the fold thereof to add resiliency thereto, a pin in the end of one of said leaves adapted to engage a socket formed in the other leaf, a 25 replaceable, reversible and invertible ellipsoidal blade adapted to be held between the ends of said leaves and having an aperture therein through which said pin passes when so held, and an H-form member slidable 30 on said leaves in said alined slots for clamping the leaves upon said blade.

ing the leaves upon said blade.

In testimony whereof I have hereunto set my hand at San Francisco, California,

this 4th day of March, 1918.

WALTER C. STEERS.

In presence of— C. S. Evans.