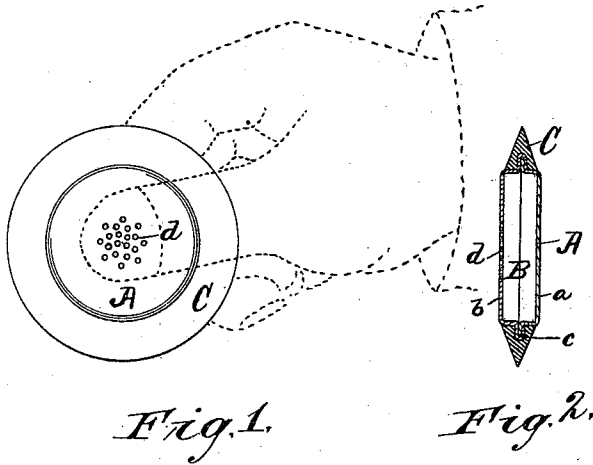


(No Model.)

W. FRIEND.
RUBBER ERASER.

No. 443,617.

Patented Dec. 30, 1890.



Attest:
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UNITED STATES PATENT OFFICE.

WILLIAM FRIEND, OF NEW YORK, N. Y.

RUBBER ERASER.

SPECIFICATION forming part of Letters Patent No. 443,617, dated December 30, 1890.

Application filed May 21, 1890. Serial No. 352,579. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM FRIEND, of the city, county, and State of New York, a citizen of the United States, have invented certain new and useful Improvements in Rubber Erasers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to rubber erasers; and it consists in a rubber eraser composed of a block or holder which is chambered and is provided with apertures, one or more, in a wall of said chamber and communicating therefrom to the exterior of the block, together with a piece of india-rubber mounted upon said block or holder, substantially as and for the purpose set forth.

Figure 1 is a side elevation, and Fig. 2 is a central cross-section, of an eraser containing my invention.

A is a block or holder, which is desirably of some rigid material, such as wood or metal. The block has constituted in it a chamber B, and this may be effected by uniting on their recessed faces two dishing disks or plates of metal *a b* by means of an overturned or folded rim flange *c*, as shown.

At *d* are shown apertures in the wall of the chambered block, which may be one or more in number, and which communicate from the chamber to the exterior of the block.

C is a piece of india-rubber, which is mounted upon the block A and constitutes the erasing-surface.

I find it desirable to make the block A circular in outline, and to have the rim flange *c* comparatively wide and circumferential of the circular block or disk, while the india-rubber is in the form of a ring, which has on its internal face a groove adapted to fit upon the flange *c*, and is formed of normally less diameter than the diameter of the flanged disk. The rubber ring may then be effectively seated on the disk by being stretched or distended and sprung upon the periphery of the disk with the groove in the rubber fitting to the flange *c*, as shown. I have also found it desirable to provide the apertures *d*, one or more, at or about the center of one side wall only of the chambered block A, as

shown, as thereby the apertures may be covered by the thumb or fingers of the user when the eraser is in use, as illustrated in Fig. 1, and the escape of the contents of the chamber B thus prevented, while when the eraser is not in use it may, with the same object, lie or rest on the imperforate side or wall of the block.

Although an eraser containing my invention has been described as desirable and is shown in the drawings as circular in form or outline, it is obvious that the form or outline may be varied from that shown, and that the india-rubber piece C may be differently mounted on the chambered block A, and may extend only partially around or upon said block, without departure from the described essential features of my invention.

The chamber B may serve to contain powdered pumice or a sack or piece of felt or cloth filled or impregnated with a perfume. The pumice may be discharged at will through the apertures *d*, and will assist in effecting erasures of ink-marks from a paper surface, while the odor of the perfume, when this is employed to fill the chamber, will escape through said apertures and will scent stationery which is in proximity to the eraser—as, for example, in a writing case or desk.

I do not claim herein an eraser composed of a rigid block having at its edge a continuous rim flange and a correspondingly-shaped centrally-apertured piece or ring of india-rubber of normally less diameter than said block mounted upon said block on and maintained stretched by the edge flange thereof, as the same is the subject-matter of a claim in an application for Letters Patent filed by me May 9, 1890, Serial No. 351,160.

I do not claim herein, broadly, a rubber eraser composed of a chambered body and provided with apertures, one or more, in said chamber-wall and communicating from said chamber to the exterior of the eraser-body, as the same is the subject-matter of a claim in an application for Letters Patent filed by me May 21, 1890, Serial No. 352,578.

What I claim herein as my invention, and desire to secure by Letters Patent, is—

1. A rubber eraser composed of a chambered block or holder provided with aper-

tures, one or more, in a wall of said chamber and communicating from said chamber with the exterior of the block, and a piece of india-rubber mounted upon said block, substantially as and for the purpose set forth.

5 2. In a rubber eraser having a chambered holder or body supporting a piece of india-rubber mounted thereon, apertures, one or more, provided in and located at or about the

central portion of a side of said holder or body, 10 constituting a wall of the chamber therein, and communicating from said chamber to the exterior of said holder or body, substantially as and for the purpose set forth.

WILLIAM FRIEND.

Witnesses:

A. T. FALES,

C. W. BENJAMIN.