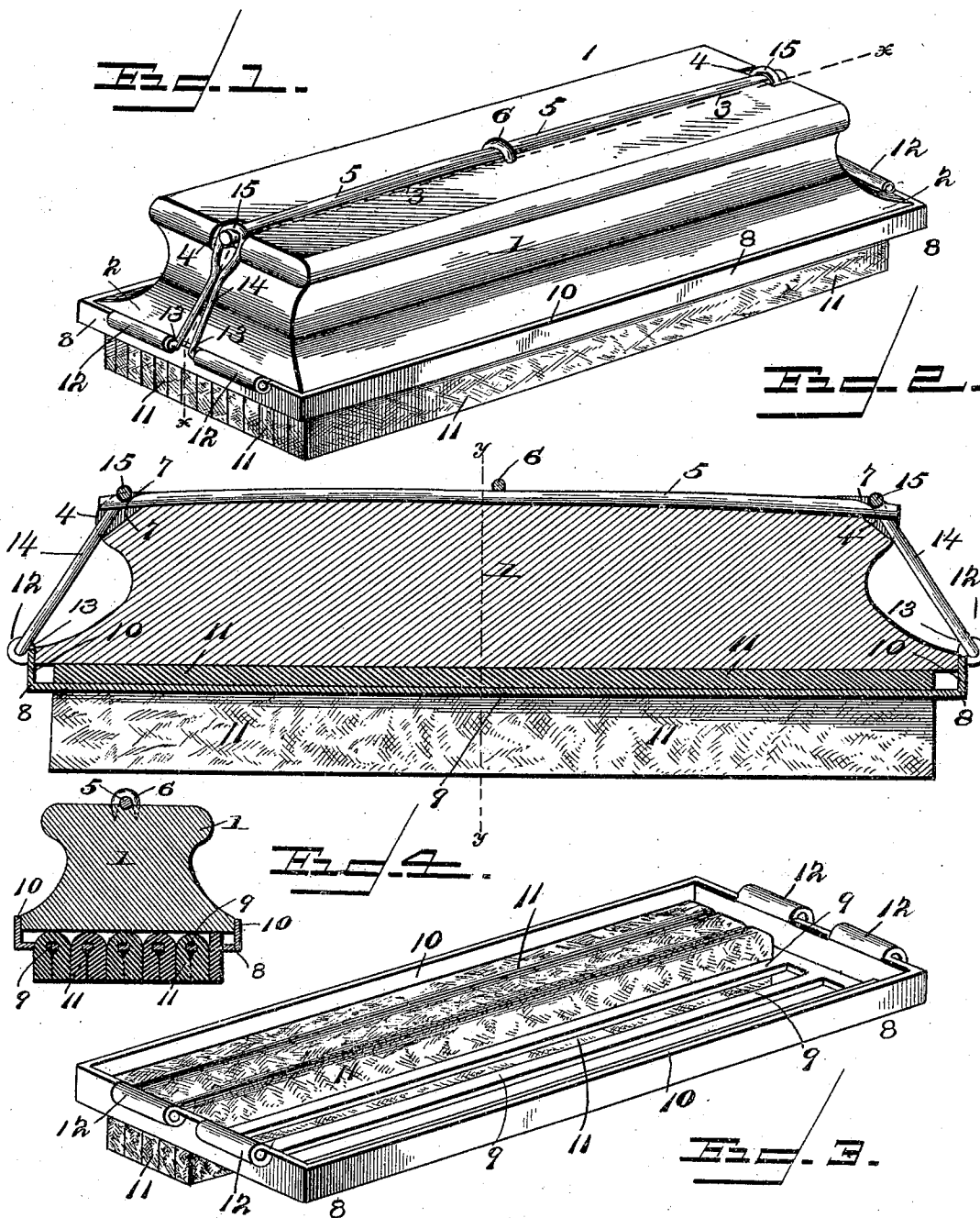


(No Model.)

W. J. WEAVER.
BLACKBOARD ERASER.

No. 503,020.

Patented Aug. 8, 1893.



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM J. WEAVER, OF REYNOLDSVILLE, PENNSYLVANIA.

BLACKBOARD-ERASER.

SPECIFICATION forming part of Letters Patent No. 503,020, dated August 8, 1893.

Application filed April 10, 1893. Serial No. 469,777. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. WEAVER, a citizen of the United States, residing at Reynoldsville, in the county of Jefferson and State of Pennsylvania, have invented a new and useful Blackboard-Eraser, of which the following is a specification.

This invention relates to blackboard erasers, and has for its object to simplify the construction of devices of the character set forth, and render the same dustless, and at the same time provide means whereby the parts may be removed and duplicated, thereby enhancing its value as to durability, economy and cleanliness.

With these and other objects in view the invention consists of the construction and the arrangement of the parts as will be hereinafter more fully described and claimed.

In the drawings—Figure 1 is a perspective view of a blackboard eraser embodying the invention. Fig. 2 is a longitudinal vertical section on the line $x-x$ of Fig. 1. Fig. 3 is a detail perspective view of a part of the eraser disconnected from the other. Fig. 4 is a transverse section on the line $y-y$ Fig. 2, on a reduced scale.

Similar numerals of reference are employed to indicate corresponding parts in all the figures.

Referring to the drawings, the numeral 1 designates a hand block or grip that is formed with a base flange 2 and an upper longitudinal groove 3, at the opposite terminations of which are located beveled recesses 4. In the said groove 3 is mounted an elongated spring 5, and held in place by a centrally located staple or clip 6. From the said staple or clip the elongated spring slightly deflects downwardly toward the recesses 4 to provide a spring action, and the opposite ends of the said spring project outwardly over the said recesses 4, and are formed with catches 7. The erasing material is carried by a metallic frame 8, that has in the bottom thereof a plurality of slats or bars 9, and surrounding the same on all sides is a vertical flange 10. On the said slats or bars 9 are removably mounted folded pieces 11 of felt or other erasing material, that have their free ends projecting equally or substantially equally from the bot-

tom of the said frame 8 to produce the erasing or rubbing surface. It will be seen that the said pieces 11 of felt or other material can be removed at will, and others supplied in place thereof, thereby providing for a cheap and economical structure. The opposite end flanges of the frame 8 have their upper ends rolled or struck downwardly as at 12, and cut away at the center to provide convenient seats for the oppositely extending legs 13 of clasps 14 having upper or outer looped ends 15, that are freely movable and arranged to removably engage the catches 7 on the opposite ends of the spring 5.

In assembling the parts of the eraser, the flange 2 of the hand block or grip 1, is fitted within the surrounding flange 10 of the frame 8, and the looped ends 15 of the clasps 14 are caused to engage the catches 7 of the spring 5, and thereby firmly connect the said hand block or grip with the frame 8, and provide a complete blackboard rubber or eraser. After a time the dust will gather between the pieces or strips 11, but it can be readily removed by tapping the eraser upon any surface or object, at the same time holding the face thereof downwardly.

Changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

1. In a blackboard eraser, the combination of a frame removably supporting pieces or strips of erasing material, and having clasps at the opposite ends thereof, and a hand block or grip removably engaging said frame and provided with catches adapted to be engaged by the said clasps, substantially as described.

2. In a blackboard eraser, the combination of a frame removably supporting pieces or strips of erasing material, and provided with bars or slats in the bottom thereof that are engaged by the said pieces or strips, and also having a surrounding flange, clasps movably connected to the opposite ends of said frame, and a hand block or grip provided with a lower flange that is removably seated in the said frame, and having catches at the opposite ends

thereof adapted to be engaged by the said clasps, substantially as described.

3. In a blackboard eraser, the combination of a metallic frame having bars or slats in the
5 bottom thereof and a surrounding flange, pieces or strips of erasing material removably mounted over the said bars or slats, clasps movably attached to the opposite ends of said frame and provided with outer looped ends,
10 a wooden hand block or grip formed with a lower flange arranged to enter the upper part of the said frame, said hand block or grip being also formed with a longitudinal groove having recesses at the opposite terminations
15 thereof, and an elongated spring mounted in said groove and having the opposite ends thereof projecting over the said recesses and formed with catches which are adapted to be

engaged by the said outer looped ends of the clasps, substantially as described. 20

4. The eraser frame 8 having a series of slats or bars 9 surrounded on all sides by a vertical flange 10, the folded pieces 11 of erasive material fitted over the bars or slats, and the removable handle held in place by means 25 substantially as described and resting on the erasive material within the flange, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in 30 the presence of two witnesses.

WILLIAM J. WEAVER.

Witnesses:

J. B. NEALE,
W. H. STAMEY.