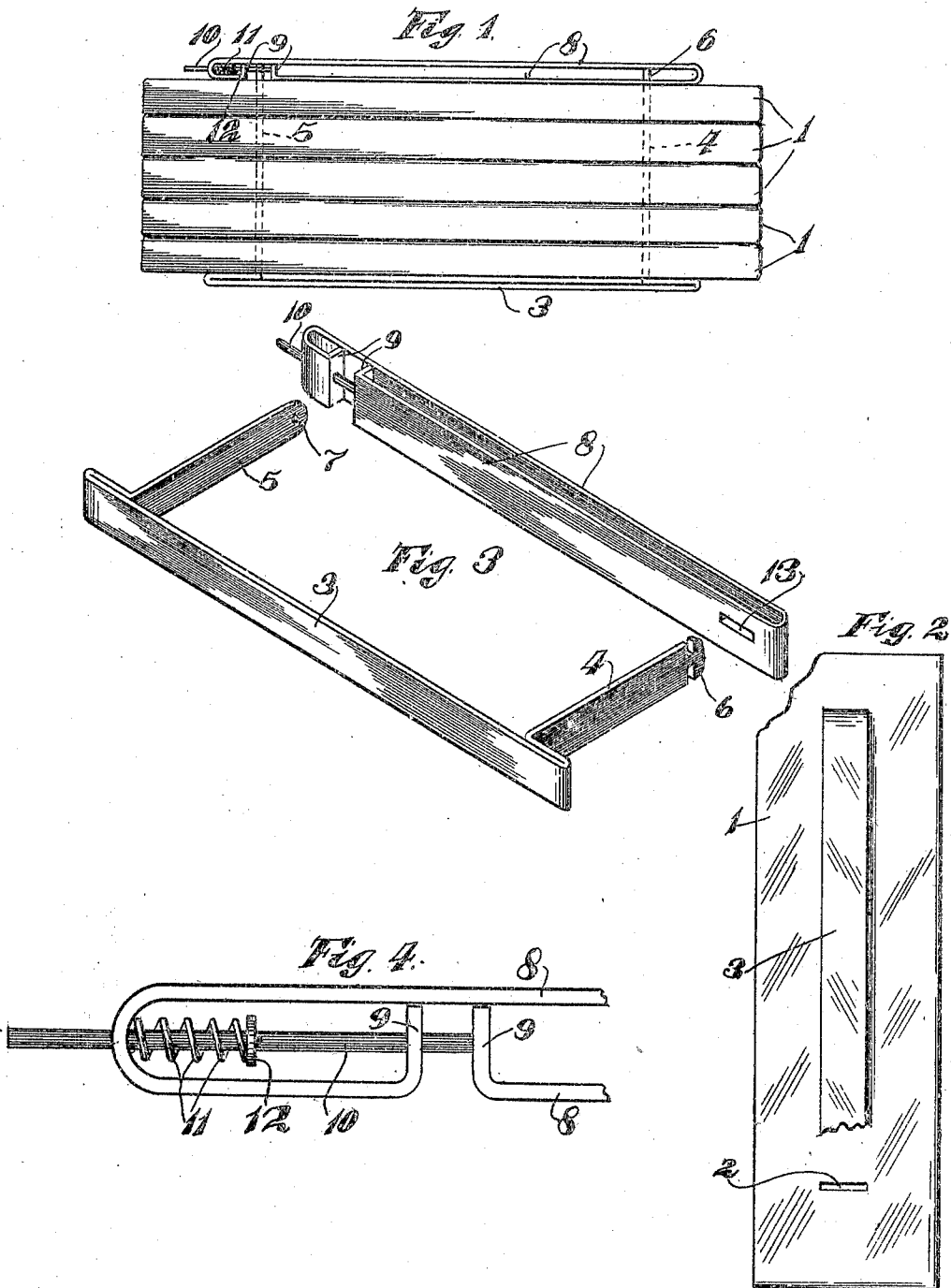


H. W. MITCHELL.
BLACKBOARD ERASER.
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948,184.

Patented Feb. 1, 1910.



Witnesses:

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UNITED STATES PATENT OFFICE.

HOWARD W. MITCHELL, OF SANBORN, MINNESOTA.

BLACKBOARD-ERASER.

948,184.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HOWARD W. MITCHELL, a citizen of the United States, residing at Sanborn, in the county of Redwood and State of Minnesota, have invented certain new and useful Improvements in Blackboard-Erasers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has for its object to provide an improved blackboard eraser which is capable of being taken apart, easily cleaned and again put together.

To the above ends, the invention consists of the novel devices and combinations of devices hereinafter described and defined in the claim.

In the accompanying drawings, which illustrate the invention, like characters indicate like parts throughout the several views.

Referring to the drawings, Figure 1 is a plan view of the complete eraser; Fig. 2 is an end elevation thereof, some parts being broken away; Fig. 3 is a perspective view of the frame of the eraser, the sections thereof being separated; and Fig. 4 is a detail in plan, showing a portion of one of the members of the eraser frame on a larger scale than in the other views.

The body of the eraser is made up of a plurality of heavy bars of felt 1, preferably cut rectangular, and provided near their ends with alined perforations 2.

The frame of the eraser is made up of two parts that are adapted to be interlocked and to be separated. One member of the frame is made up of a light metal bar 3 which is bent upon itself to form parallel laterally extended arms 4 and 5 located inward from its extreme ends. The end of the arm 4 is notched to form a T-shaped head 6 and the arm 5, near its end, is provided with a perforation 7. The other member of the frame is in the form of a clamping bar and is also formed from a light metal bar 8 bent upon itself into parallel arrangement and provided with ends 9 turned inward near one end of said bar. A lock bolt 10 is slidably mounted in perforations formed in the inward turned ends 9 and in the adjacent bowed ex-

trinity of said bar 8. A coiled spring 11 on the bolt 10 reacts against the adjacent bowed extremity of the bar 8 and against the collar 12 on the said bolt and yieldingly holds said bolt in its operative position shown in the drawings. The inner fold of the clamping bar 8, near one extremity of the clamping bar, is formed with a longitudinally extended slot or perforation 13, through which the T-head 6 is adapted to be inserted when the clamping bar 3 is turned at a right angle to the clamping bar 8.

When the component parts of the eraser are to be assembled, the arms 4 and 5 are passed through the coincident perforations 2 thereof with the T-head 6 and with the perforated end 7 of the said arms 4 and 5 projecting therethrough. Then the bar 8 is turned at a right angle to the bar 3 and to the eraser sections 1, the T-head 6 is inserted through the slot 13 then said bar 8 is turned into a position parallel to the said clamping bar. Then the lock bolt 10 is retracted against the tension of the spring 11, the perforated end of the arm 5 is inserted in the seat between the bent ends 9 and then said lock bolt is released and permitted to pass through the perforation 7 of the said arm 5. In this way, the sections of the eraser are tightly clamped together and the eraser is ready for use on either side. The eraser, of course, is taken apart by a reverse operation. When the eraser sections 1 are removed from the holder, they may be very easily cleaned and quickly re-assembled within the holder. One way of cleaning the eraser would be to clamp a multiplicity thereof between the jaws of a pair of tongs and to beat the same against some hard object. The eraser sections may, however, be cleaned by any suitable means and might be run through a cleaning machine provided for that purpose. When the eraser sections are too badly worn for use, they may be thrown away and new sections substituted therefor in the holding frame. The frame itself is practically indestructible and under ordinary usage will last indefinitely.

What I claim is:

An eraser comprising a multiplicity of body sections, a clamping bar having a spring pressed lock bolt at one extremity and

a lock groove at its other extremity, of a second clamping bar having projecting parallel arms, one of said arms having a head adapted to be interlocked with the lock slot
5 of said first clamping bar, by endwise and rotary movement, and the other of said arms having a perforation through which said lock bolt is adapted to be passed to lock the

two clamping bars against said body sections.

In testimony whereof I affix my signature
in presence of two witnesses. 10

HOWARD W. MITCHELL.

Witnesses:

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