No. 874,937. PATENTED DEC. 31, 1907.

S. M. CASE.

APPARATUS FOR CLEANING BLACKBOARD ERASERS.

APPLICATION FILED AUG. 23, 1907.

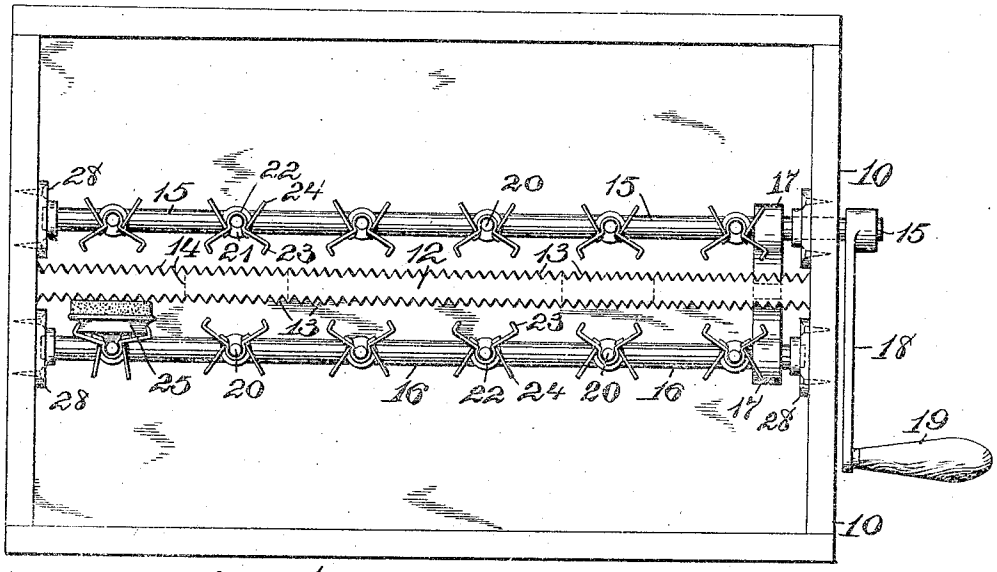


Fig. 1

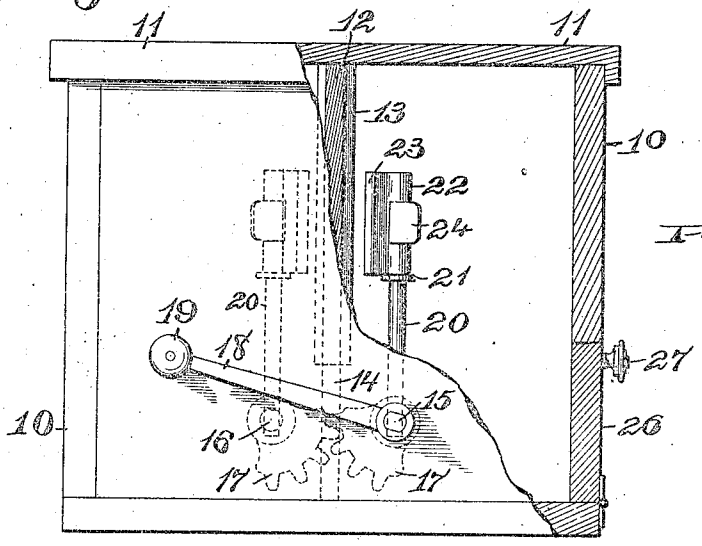


Fig. 2

WITNESSES:

E. G. Pelle

R. Johnson.

INVENTOR

Stephen M. Case

BY

Wm. H. Campbell.

ATTORNEY

UNITED STATES PATENT OFFICE.

STEPHEN M. CASE, OF NEWARK, NEW JERSEY.

APPARATUS FOR CLEANING BLACKBOARD-ERASERS.

No. 874,937. Specification of Letters Patent. Patented Dec. 31, 1907.

Application filed August 23, 1907. Serial No. 389,783.

To all whom it may concern:

Be it known that I, STEPHEN M. CASE, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Apparatus for Cleaning 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, reference being had to the accompanying drawings, and figures of reference marked thereon, which form a part of this specification.

This device is designed for cleaning blackboard erasers and similar articles that have been filled with dust, and the invention consists in providing a casing in which is inclosed a series of holders for erasers and the like, and a mechanism is also provided so that the holders, with the erasers, can be reciprocated to beat the erasers upon a wall, this wall being preferably corrugated or serrated so that the dust will have a chance to fall out and downward.

The invention is illustrated in the accompanying drawing, in which

Figure 1 is a top view of the device with the cover removed, and Fig. 2 is an end view with the end partly broken away.

I provide any suitable casting 10 on which is set a cover 11, which cover can be made to be removed or be hinged to the casing. In the center of the casing is a partition 12, which preferably has the serrations or indentations 13, these being parallel and forming a good beating surface. The partition is open for the most part at the bottom, being supported by means of the blocks 14. Situated in parallel relation, and near the bottom of the casing, are the shafts 15 and 16 which are provided with the segmental gears 17 so that the shafts will move in unison, one of the shafts, which is 15, being provided with a lever 18 and a handle 19 to provide for the manual manipulation of the device.

Projecting from each of the shafts 15 and 16 are a series of posts 20, which are provided with collars 21 which support the spring holders 22 which have the grasping ends 23. Finger pieces 24 are projected through each of the wings of each spring holder 22, so that when the finger pieces 24 are squeezed together, by the hand of the operator, a brush 25 can be inserted into the spring holder and grasped as shown in one of the holders in Fig. 1. This arrangement permits of the reception of different sizes of erasers or rubbers.

I prefer to arrange a door 26, running down along one side of the casing, which can be provided with a knob or latch 27, this door providing for the cleaning of the device when considerable dust and chalk has accumulated in the bottom thereof. The central arrangement of the partition with the series of holders on either side of it, provides a large capacity for the machine, and a great many rubbers or erasers can be cleaned at the same time, but it will be understood that this particular disposition of the holders and the beating surface is not essential. The mechanism for operation can also be changed to provide the swinging motion or the reciprocation of the holders, and I do not wish to be understood as limiting myself to the particular arrangement shown. I prefer to mount the shafts 15 and 16 in the bearings 28 which are attached on the inside of the casing, at each end thereof.

Having thus described my invention, what I claim is:—

1. A device of the kind described comprising a casing having a vertical beating surface therein, a shaft rotatable in the casing, a series of eraser holders radially arranged on the shaft, and means for manually operating the shaft to cause a contact of the eraser holders in unison on the beating surface.

2. A device of the kind described comprising a casing having a partition therein, a shaft on each side of the partition and parallel therewith, holders on the shafts for grasping an eraser, mechanism connecting the shafts to move them in unison, and a handle connected with one of the shafts for its manual manipulation.

3. A device of the kind described comprising a casing having a partition therein, shafts parallel with the partition, segmental gears on the shafts and in mesh, a handle on one shaft, posts projecting up from the shafts, and eraser holders on the ends of the posts.

4. A device of the kind described comprising a casing having a partition therein, shafts parallel with the partition, segmental gears on the shafts and in mesh, a handle on

one shaft, posts projecting up from the shaft, spring clasps on the tops of the posts, and a pair of finger pieces on each clasp.

5. A device of the kind described comprising a casing having a partition therein, a shaft parallel with the partition, a series of posts mounted on the shaft, a spring plate encircling the shaft and projecting therefrom on either side, grasping portions on the projecting ends of the spring plates, finger pieces on the spring plates for spreading the holding portions thereof, and a handle on the shaft for reciprocating it.

In testimony, that I claim the foregoing, I have hereunto set my hand this 5th day of August 1907.

STEPHEN M. CASE.

Witnesses:
WM. H. CAMFIELD,
R. JOHNSON.