

(Model.)

D. F. COLES & J. H. LUCKHURST.

SPONGE HOLDER FOR SLATE PENCILS.

No. 249,589.

Patented Nov. 15, 1881.

Fig. 1.

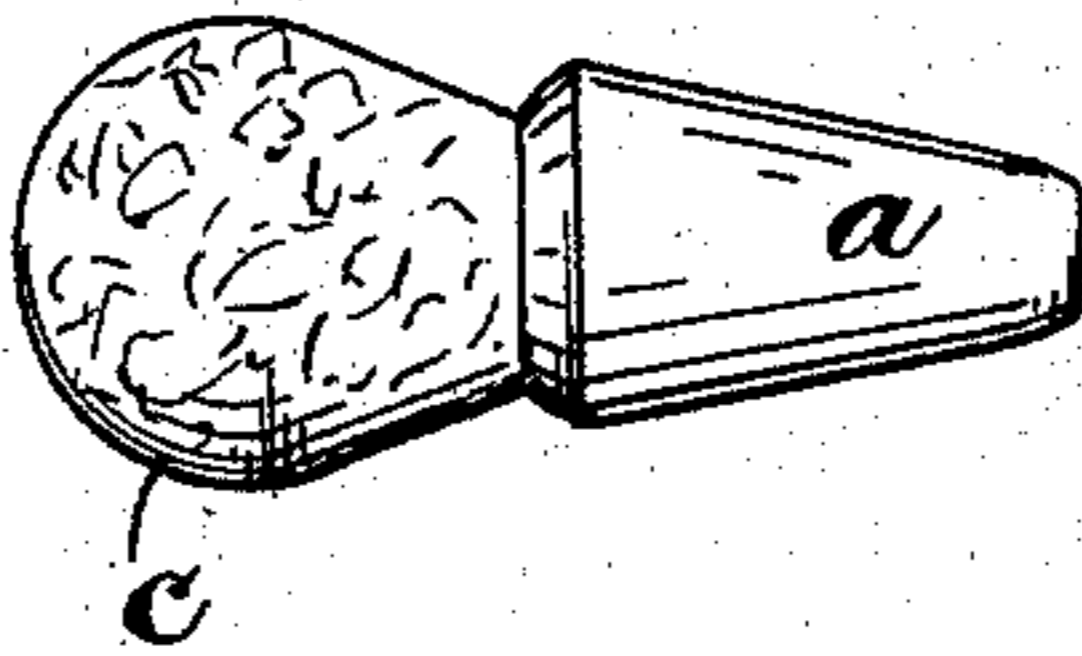


Fig. 2.

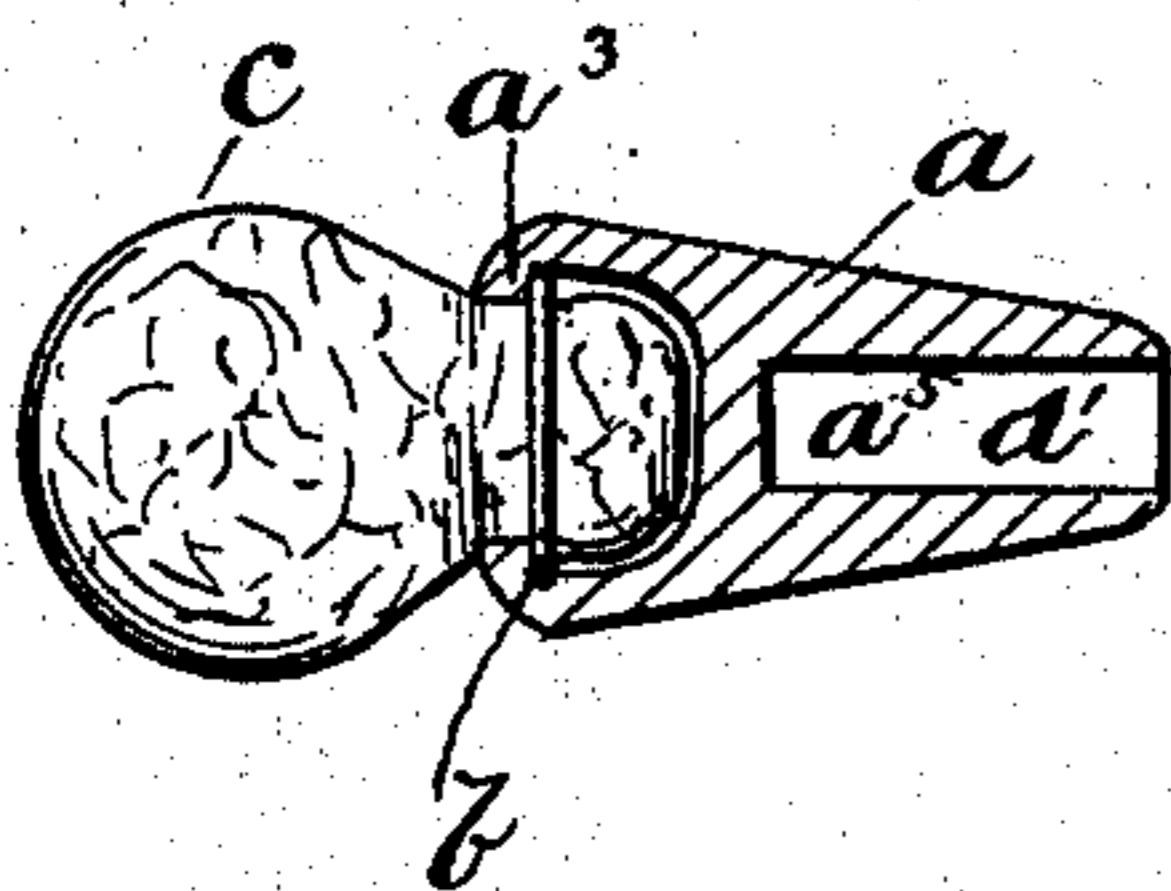


Fig. 3.

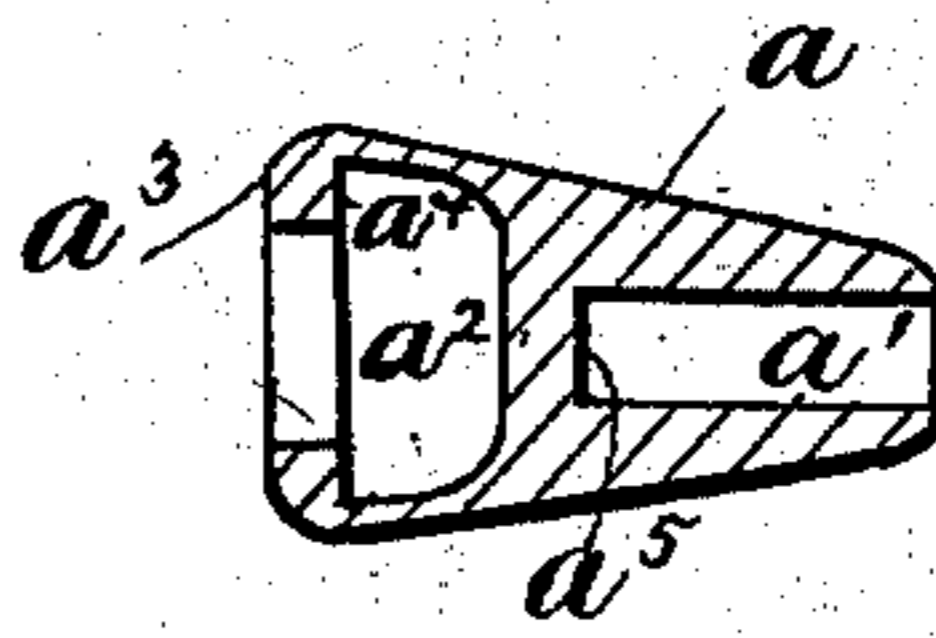
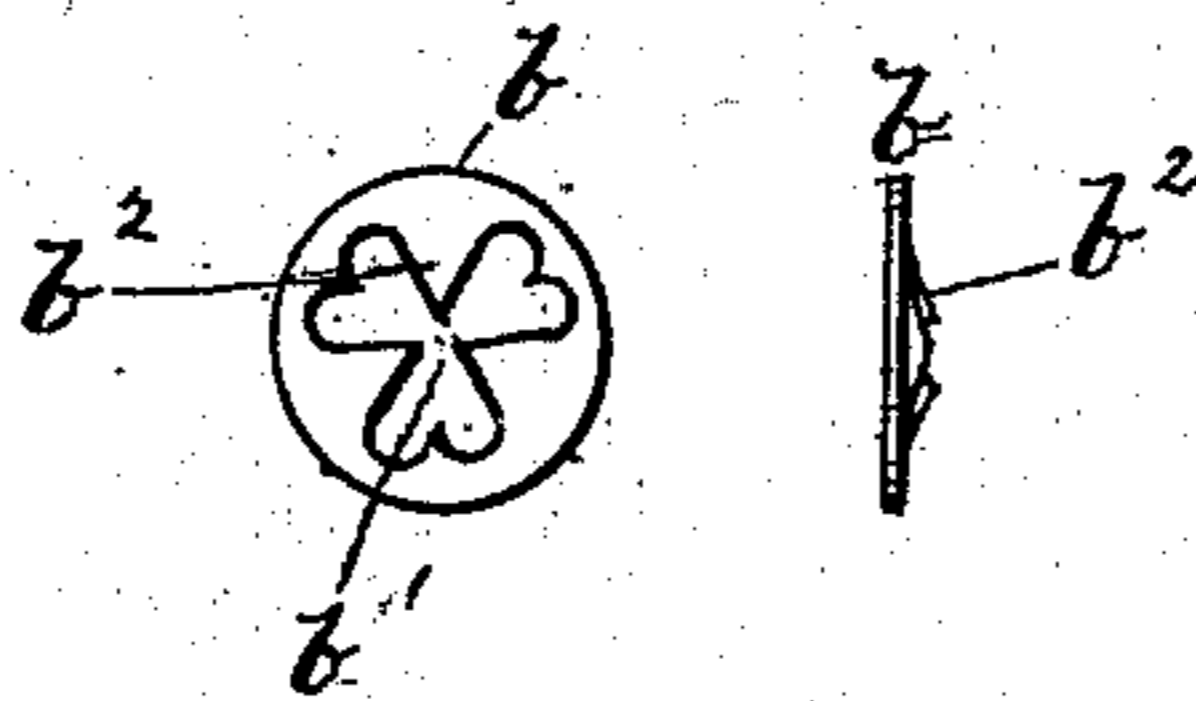


Fig. 4.



Witnesses:
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UNITED STATES PATENT OFFICE.

DAVID F. COLES AND JAMES H. LUCKHURST, OF RAHWAY, NEW JERSEY

SPONGE-HOLDER FOR SLATE-PENCILS.

SPECIFICATION forming part of Letters Patent No. 249,589, dated November 15, 1881.

Application filed September 13, 1881. (Model.)

To all whom it may concern:

Be it known that we, DAVID F. COLES and JAMES H. LUCKHURST, citizens of the United States, residing at Rahway, in the county of Union and State of New Jersey, have invented certain new and useful Improvements in Sponge-Holders for Slate-Pencils; and we 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 to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to improvements in sponge-holders to be placed on the ends of pencils; and it consists in the construction and arrangement of the several parts hereinafter described, and pointed out in the claim.

In the drawings, Figure 1 is a side view. Fig. 2 is a longitudinal section with the sponge inserted in the holder. Fig. 3 is a longitudinal section with the sponge removed. Fig. 4 shows details of the plate or disk hereinafter described.

a is a head-piece, of rubber or other suitable elastic material.

a' is a socket formed in the smaller end of the head-piece and arranged to receive the end of the pencil.

a^2 is a recess formed in the larger end of the head-piece, and it is separated from the socket a' by the partition a^5 . The end of the head-piece is bent in over the recess a^2 , forming the lip or flange a^3 , the under side of which forms a square shoulder, a^4 .

If desired, an annular groove may be formed in the walls of the head-piece close to the shoulder a^4 , as shown in Fig. 2.

b is a circular disk, having a central hole, b' , through which the neck of the sponge c is pushed, as shown in Fig. 2, and made of same diameter as the portion of the recess a' next the shoulder a^4 .

b^2 are spurs extending downward from the under side of the disk b , the points of which are inclined toward each other, as shown in Fig. 4. These prongs may be stamped, and extend from the edge of the central hole, b' , as shown, or they may be stamped on the periphery of the disk, or be soldered to the disk, and arranged in proper position to grasp the neck of the sponge when the latter is thrust through the central opening, b' . If the spurs are fixed to the disk in any manner so they extend downward therefrom, and have their points inclined toward each other, they will answer the purpose of our invention.

The operation of our invention is simple and readily understood. The end of a sponge, of suitable size, is inserted through the perforation in disk b , and extended past the points of spurs b^2 far enough to permit the said spurs to engage the sponge. The sponge is then drawn back slightly and the spurs are thrust into and hold the sponge firmly. The mouth or opening of recess a^2 is stretched, and the disk b , with the neck of the sponge held therein, is inserted in the said recess a^2 , and the force being removed from the mouth the lip or flange a^3 contracts over the rim of and holds the disk.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

In a sponge-holder for pencils, the combination, with an elastic head-piece having the recesses a' a^2 and the lip or flange a^3 , of a disk having a central perforation, and provided with spur or spurs extending downward from the under side thereof and inclined inward, as set forth.

In testimony whereof we affix our signatures in presence of two witnesses, on this 6th day of September, 1881.

DAVID F. COLES.

JAMES H. LUCKHURST.

Witnesses:

J. O. TENISON,

JOHN H. CORNWELL.