

(No Model.)

R. S. GRAHAM & W. B. SAVELL.
KEY CUSHION FOR TYPE WRITING MACHINES.

No. 504,065.

Patented Aug. 29, 1893.

Fig. 1.

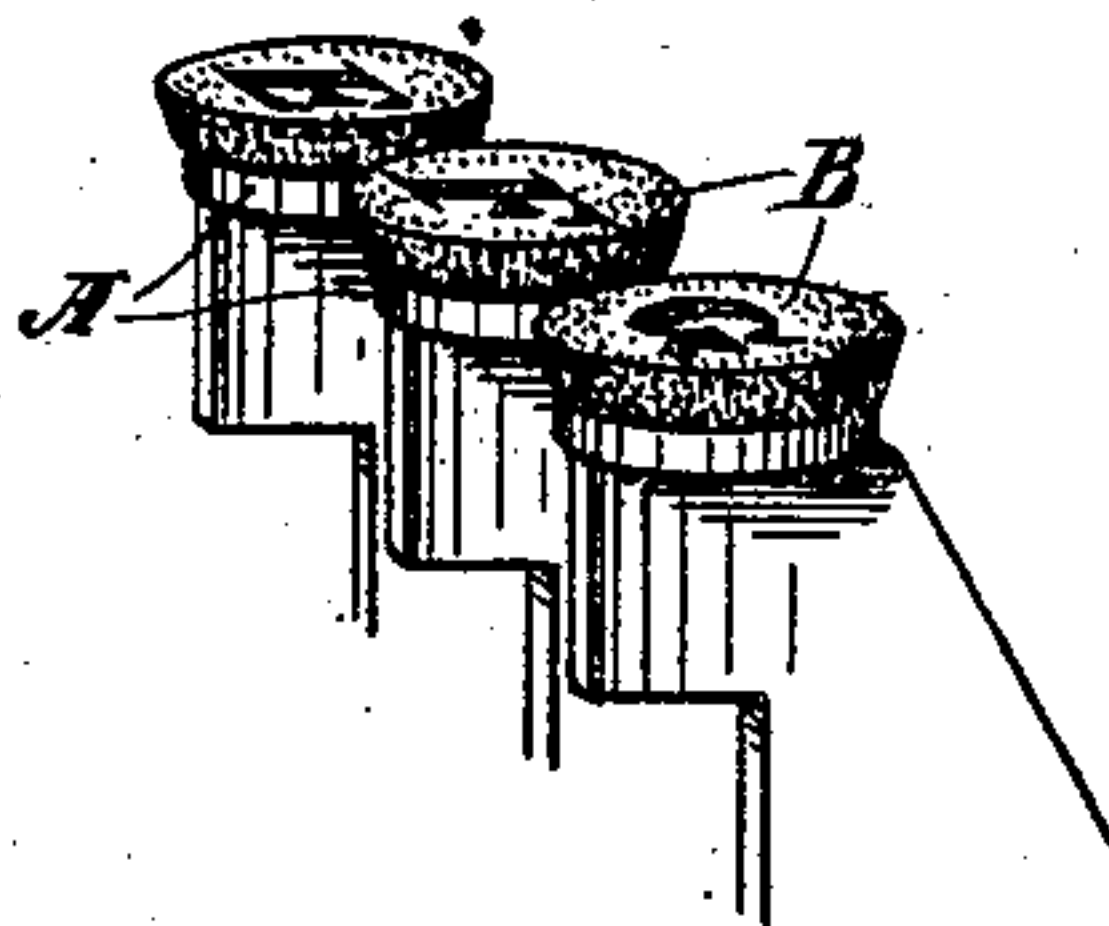
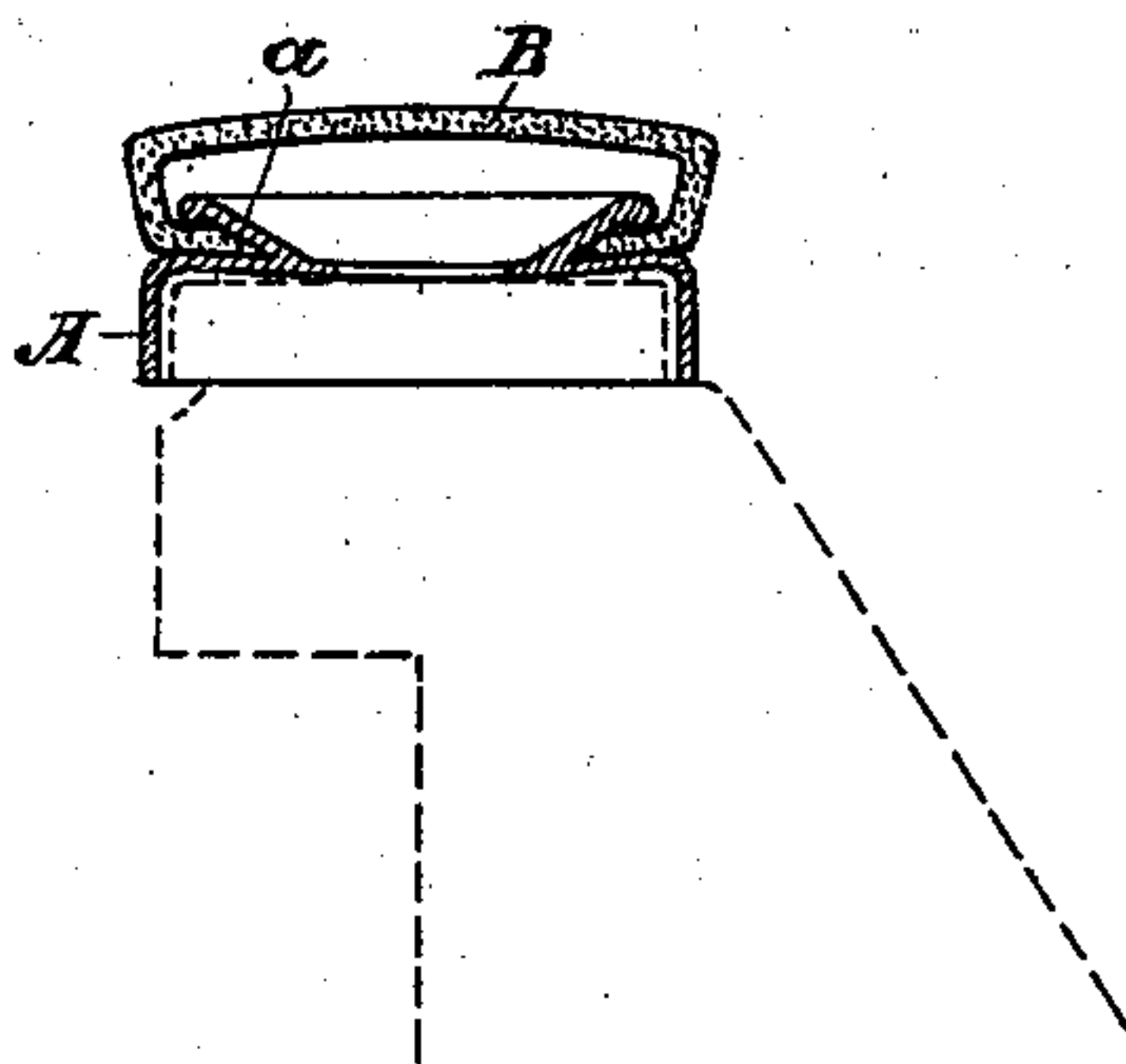


Fig. 2.



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UNITED STATES PATENT OFFICE.

ROBERT S. GRAHAM AND WILLIAM B. SAVELL, OF SAN FRANCISCO,
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KEY-CUSHION FOR TYPE-WRITING MACHINES.

SPECIFICATION forming part of Letters Patent No. 504,065, dated August 29, 1893.

Application filed February 2, 1893. Serial No. 460,768. (No model.)

To all whom it may concern:

Be it known that we, ROBERT S. GRAHAM and WILLIAM B. SAVELL, citizens of the United States, residing in the city and county of San Francisco, State of California, have invented an Improvement in Key Cushions for Type-Writing Machines; and we hereby declare the following to be a full, clear, and exact description of the same.

Our invention relates to an attachment for typewriting machines; and it consists of an elastic cushion adapted to be fitted upon the keys to relieve the fingers of the operator from soreness caused by striking the hard surfaces of the ordinary keys; and in certain details of construction which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a view showing the application of our device. Fig. 2 is an enlarged cross section through the cushion.

The object of our invention is to provide a hollow elastic cover for the keys of typewriting machines, said cover being provided with the usual letters and characters to indicate the particular keys of the machine.

A is a metallic sleeve, spun or otherwise formed of thin sheet metal, and having a diameter sufficient so that it will fit snugly over the rims of the keys, as usually constructed for different styles of typewriting machines. Above this rim or flange is a neck of smaller diameter, and above this a flange expands outwardly, as shown at *a*, and is adapted to receive the elastic cap B. This cap is preferably made of soft rubber, and the top being closed, and having a letter or figure cast or otherwise formed in it to indicate the key upon which it is placed. This hollow elastic cap is stretched over the flange *a* until the lower edge of it fits into the space or neck between the body A and the flange *a* where it is firmly held in place, and cannot be removed except by stretching the rubber sufficiently to disengage the flange of the rubber from

the neck between A and *a*. When this cap is in place, there is a hollow space between the thin surface of the cap and the inner portion of the cup-shaped flange *a*, and in addition to this when the rim A has been fitted upon the key, a certain amount of air is retained within the space between the key and the elastic cap which serves as a cushion, making the pressure with the fingers very soft and agreeable, and preventing any soreness or injury to the fingers by constant striking of the keys.

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

1. A hollow cushioned cap for the keys of typewriting machines, having a letter or character upon its surface, said cap provided with means engaging the key for maintaining the cap elevated to form an air space or cushion between the inner top wall of the cap and top of the key.

2. A hollow cushion for the keys of typewriting machines, consisting of an elastic hollow cap, and a metallic rim over which the elastic cap is fitted; said rim adapted to be placed over the key, and said cap having a letter or character upon its surface.

3. A cushion key for typewriting machines, consisting of a hollow elastic cap having a letter or character formed upon its surface indicating the key to which it is applied, a metallic rim fitting said key, said rim having an upwardly projecting concave flange with a narrow neck between the two into which the corresponding flange of the rubber cap is drawn by its elasticity whereby the cap is retained in place and a hollow cushion is formed, substantially as herein described.

In witness whereof we have hereunto set our hands.

ROBERT S. GRAHAM,
WILLIAM B. SAVELL.

Witnesses:

S. H. NOURSE,
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