

H. H. SHEPARD.  
CUSHION CAP FOR THE KEYS OF WRITING MACHINES.  
APPLICATION FILED MAY 28, 1910.

971,221.

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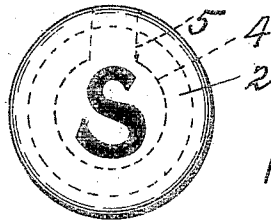


FIG. 1.

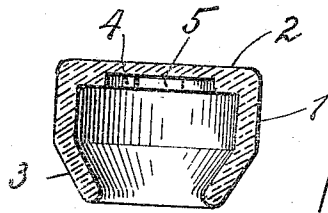


FIG. 2.

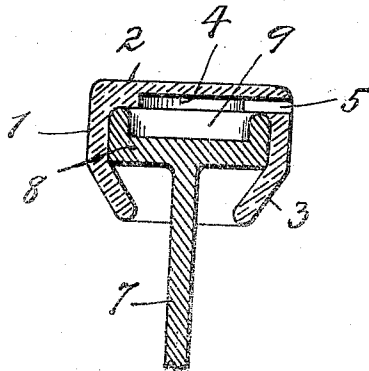


FIG. 3.

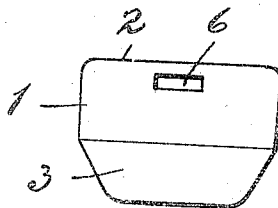


FIG. 4.

WITNESSES:

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# UNITED STATES PATENT OFFICE.

HARRY H. SHEPARD, OF PROVIDENCE, RHODE ISLAND.

CUSHION-CAP FOR THE KEYS OF WRITING-MACHINES.

971,221.

Specification of Letters Patent. Patented Sept. 27, 1910.

Application filed May 28, 1910. Serial No. 563,915.

*To all whom it may concern:*

Be it known that I, HARRY H. SHEPARD, a citizen of the United States, residing at the city of Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Cushion-Cap for the Keys of Writing-Machines, of which the following is a specification.

This invention relates to a cushion cap for the keys of typewriting machines or for any manually-operated keys wherein the cap is found applicable and has for its object to provide a cap in a manner as hereinafter set forth and constructed of resilient material, preferably of rubber, and adapted to be mounted upon the key and struck by the operator when actuating the key so as to relieve the jar upon the finger tips of the operator when actuating the machine of which the key forms a part.

A further object of the invention is to provide a cushion cap for the purpose set forth in a manner as hereinafter set forth and which is so constructed as to grip firmly the head of the key whereby the cap will be securely retained in position without the employment of a hold-fast device or an interlocking element to retain the cap in position.

A further object of the invention is to provide a cushion cap for the heads of finger operated keys and which comprises what may be termed a crown and which further embodies an air vent, whereby the crown will be held to its normal position.

Further objects of the invention are to provide a cap for the head of a finger operated key and which is simple in its construction, formed of a single piece of material, durable, efficient in its use, conveniently mounted upon the head of the key and inexpensive to manufacture.

With the foregoing and other objects in view, the invention consists of the novel construction, combination and arrangement of parts as hereinafter more specifically described and illustrated in the accompanying drawings, wherein is shown the preferred embodiment of the invention, but it is to be understood that changes, variations and modifications can be resorted to which come within the scope of the claims hereunto appended.

In the drawings wherein like reference characters denote corresponding parts throughout the several views; Figure 1 is a top plan view of a key cap in accordance with this invention, Fig. 2 is a vertical sectional view of a cap, Fig. 3 is a vertical sectional view of the cap illustrating the same mounted upon the head of the key, the key being shown in section and broken away, and Fig. 4 is an elevation of the cap.

Referring to the drawings in detail, the cap comprises a hollow cylindrical body portion 1 having a flat crown or crown piece 2 formed integral with the top thereof and a hollow inverted frustum cone-shaped extension 3 formed integral with the bottom thereof. The crown 2 has its inner face formed with a circular recess 4 with which communicates the inner end of a laterally-extending groove 5. The outer end of the groove 5 terminates at the edge of the crown whereby the outer portion of the wall of the groove in connection with the body portion 1 provides a vent 6.

In Fig. 3 the cap is shown surrounding and mounted upon a key and referring to said figure, 7 denotes the stem of the key and 8 the head which is recessed in its top as at 9. The recess 9 opposes the recess 4 in the crown.

The cap is formed of a single piece of resilient material, preferably rubber and by providing the frusto-conical shaped extension 3, as an element thereof, the cap is caused to grip firmly upon the head 8 of the key when the cap is mounted in position as shown in Fig. 3. The air vent 6 is employed so that the crown 2 will be held to its normal position.

What I claim is:—

1. A cap for the heads of finger operated keys consisting of a single piece of resilient material provided with a body portion adapted to surround the head of the key when the cap is mounted in position, an extension depending from the body portion whereby the cap is maintained in position, a crown formed integral with the body portion, and means to provide an air vent, said crown having its inner face cut away to provide a recess.

2. A cap for the heads of finger operated

keys formed of a single piece of resilient material and comprising a body portion, an extension depending therefrom, a crown integral with the body portion and having its  
5 inner face recessed and grooved, the wall of said grooves in connection with the body portion forming an air vent.

In testimony whereof I have affixed my signature in presence of two witnesses.

HARRY H. SHEPARD.

Witnesses:

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