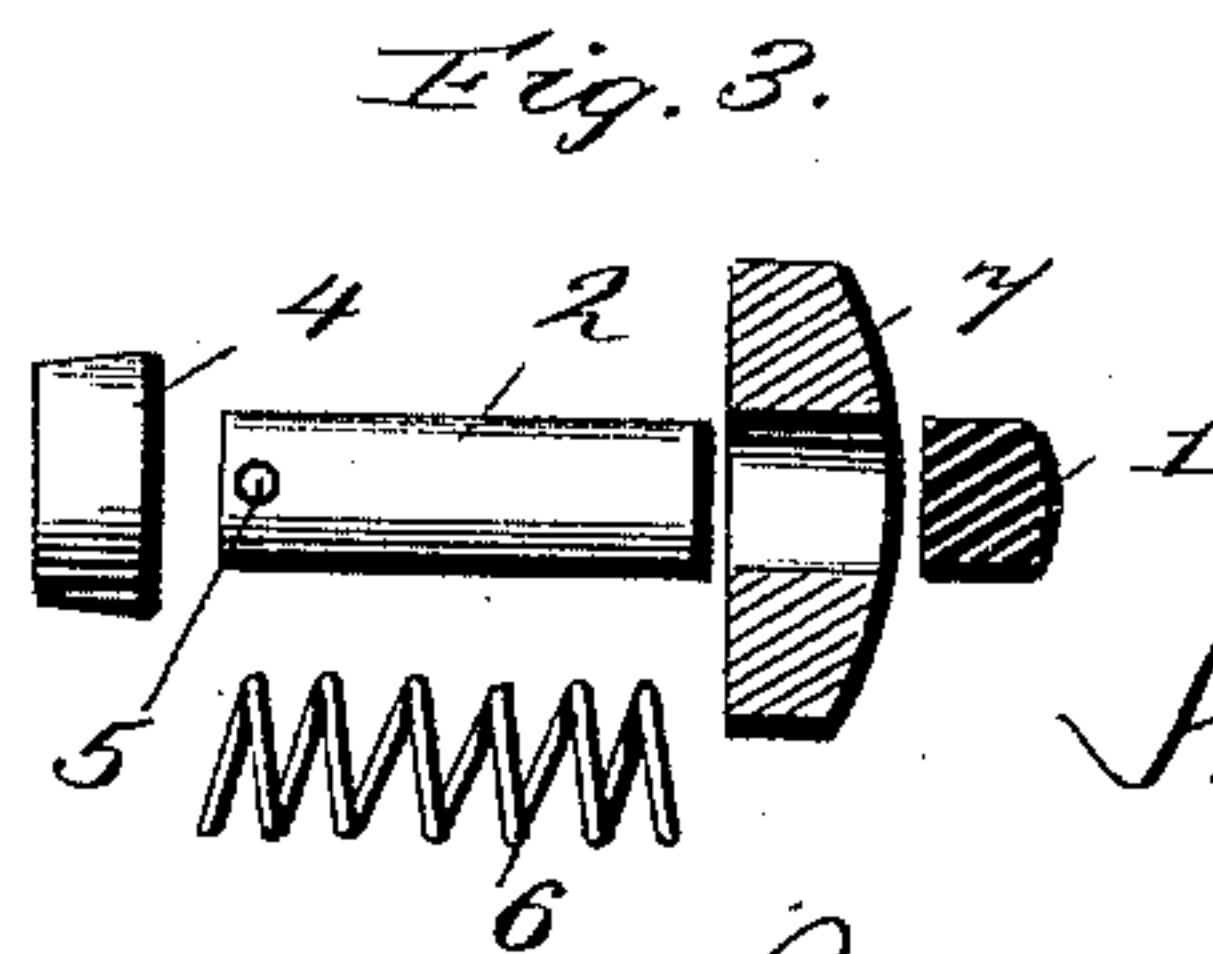
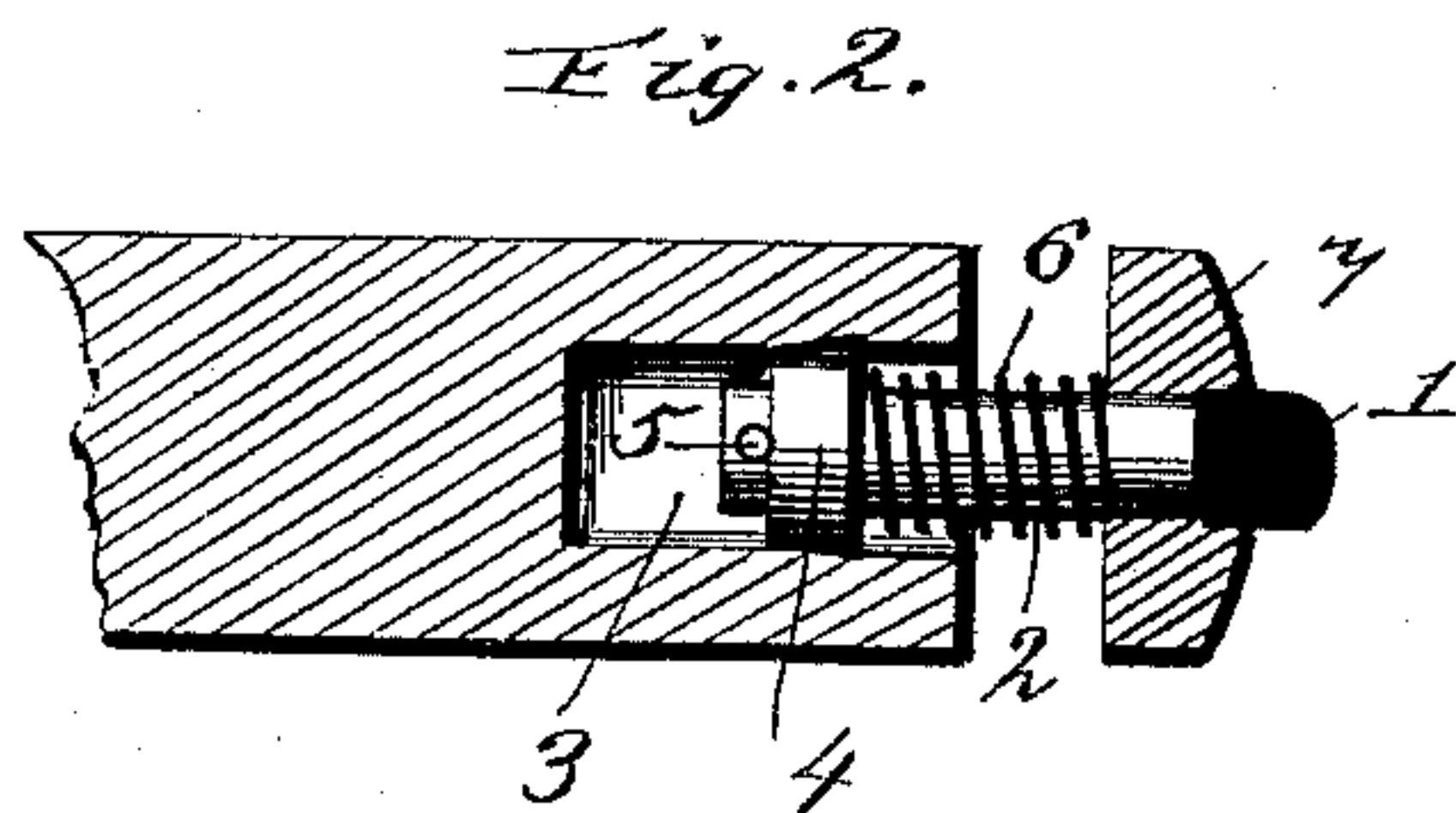
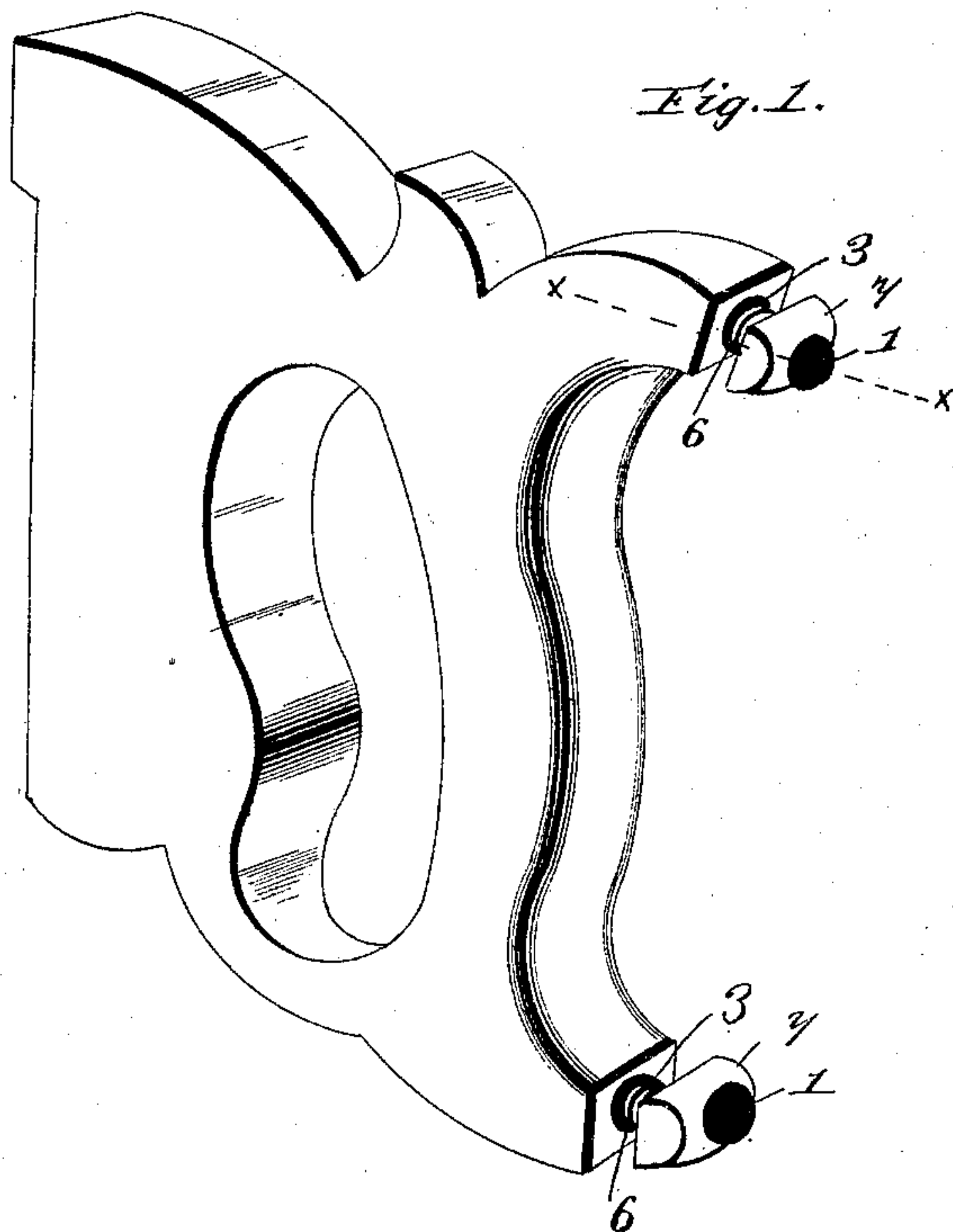


(No Model.)

T. MALINGS.
SAW HANDLE ATTACHMENT.

No. 462,982.

Patented Nov. 10, 1891.



Witnesses:
C. H. Raeder
C. S. Frye.

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Attorneys

UNITED STATES PATENT OFFICE.

THOMAS MALINGS, OF CHICAGO, ILLINOIS.

SAW-HANDLE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 462,982, dated November 10, 1891.

Application filed March 17, 1891. Serial No. 385,390. (No model.)

To all whom it may concern:

Be it known that I, THOMAS MALINGS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Tool-Handle Attachments; 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 relates to improvements in saw-handles; and it consists in certain novel features that will be hereinafter fully described and claimed.

Referring to the accompanying drawings, Figure 1 is a perspective view of a saw-handle, showing my invention applied thereto. Fig. 2 is a horizontal section of Fig. 1 on line *xx*. Fig. 3 is a detail of the several parts composing my improved cushion.

In carrying out my invention I prefer to remove the tapering points of the saw-handle, and thus provide a seat for the button 7, and in this seat is provided the socket 3 for the reception of the shaft and collar, as will be hereinafter fully set forth. The depth of the socket thus provided may be regulated by the judgment of the mechanic, and within the bottom thereof is placed the fixedly-secured collar 4. Within the socket and collar the shaft 2 is mounted, the same being held therein by the retaining-pin 5. After the shaft has thus been secured within the collar a spiral spring 6 is placed thereon. The said spring is fol-

lowed by the button 7, which is adapted in operation to stand slightly away from the handle and rest against the tension of the spring. The button 7 may be made of wood or rubber, as preferred, and if made of wood I prefer that the terminal tip 1 be supplied, the same being formed of rubber or other yielding material. After the parts are thus assembled the operation will be readily apparent. It will be seen that if the saw should fall so as to strike upon the button a reliably efficient cushion will be provided by the spiral spring and the handle thus guarded against being broken. As an additional safeguard the rubber tip embedded in the button will prove efficient.

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

In combination, the saw-handle provided with the socket, the fixed collar secured therein, the shaft mounted loosely within the socket and secured in the collar by the retaining-pin, the spiral spring arranged around the shaft and adapted to act as a cushion, and the button arranged on the outer end of the shaft and provided with the auxiliary rubber cushion 1, substantially as and for the purpose set forth.

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

THOMAS MALINGS.

Witnesses:

S. F. JOHNSON,
E. A. BERTRAM.