

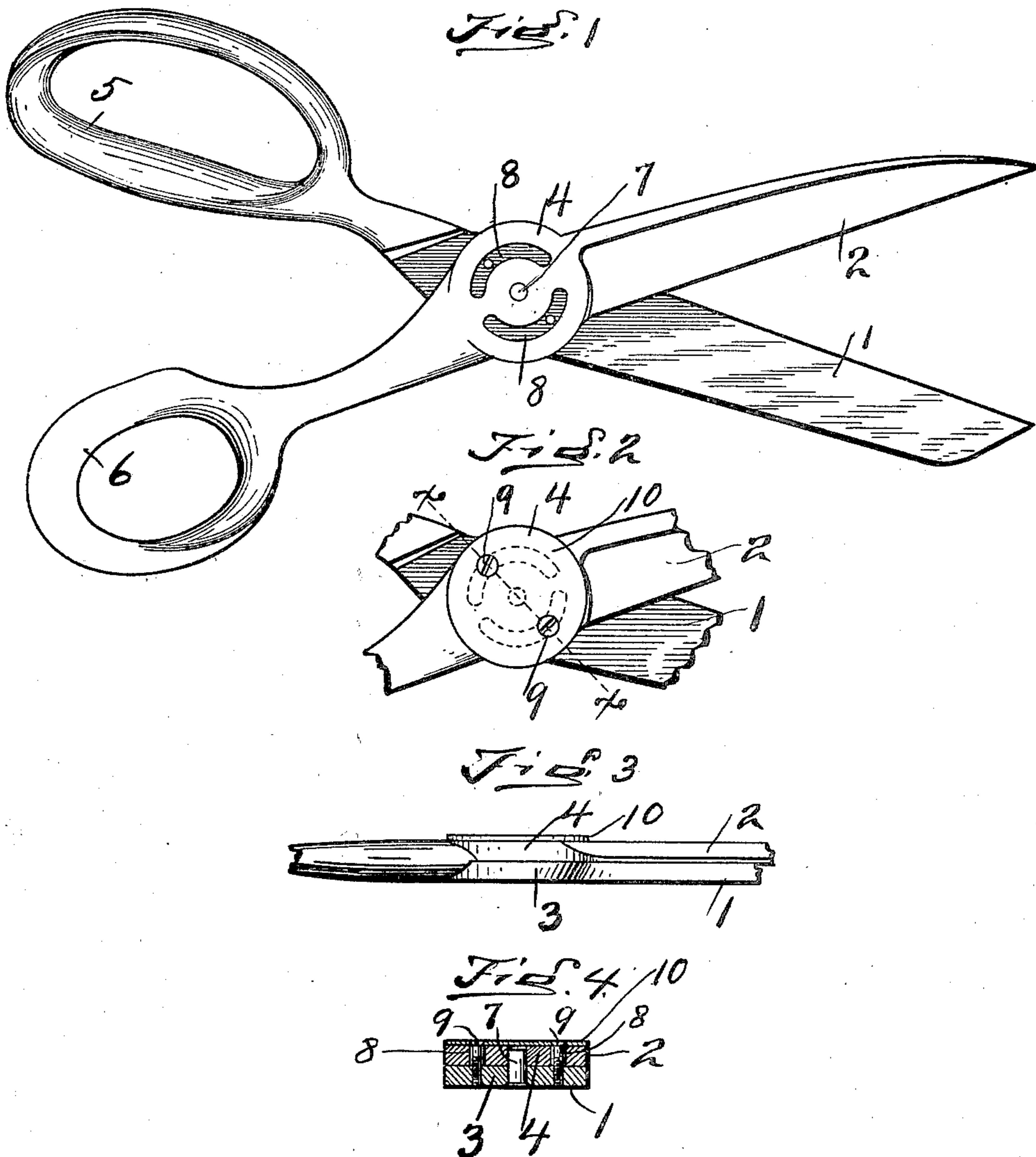
No. 682,261.

Patented Sept. 10, 1901.

C. J. LOICHOT.
SHEARS.

(Application filed Jan. 18, 1901.)

(No Model.)



Witnesses:
E. Cross,
J. R. Bond.

Inventor:
Charles J. Loichot.
By G. W. Bond

Att'y

UNITED STATES PATENT OFFICE.

CHARLES J. LOICHOT, OF CANTON, OHIO.

SHEARS.

SPECIFICATION forming part of Letters Patent No. 682,261, dated September 10, 1901.

Application filed January 18, 1901. Serial No. 43,710. (No model.)

To all whom it may concern:

Be it known that I, CHARLES J. LOICHOT, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Shears; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the figures of reference marked thereon, in which—

Figure 1 is a view showing the shear-blades and handles placed in proper relative position and partially opened, also showing the retaining and friction cap removed. Fig. 2 is a view showing the friction-cap placed in proper position, and illustrates portions of the shear-blades and handles. Fig. 3 is an edge view showing portions of the shear-blades and handles. Fig. 4 is a transverse section on line *x x*, Fig. 2.

The present invention has relation to shears; and it consists in the different parts and combination of parts hereinafter described, and particularly pointed out in the claims.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

The object of the present invention is to so construct shears at the joint or pivotal portion that they shall have large wearing-surfaces, and at the same time have no tendency or opportunity for the blades to become loose and unfit for use. The blades 1 and 2 are each provided with the enlarged portions 3 and 4, said portions located between the blades 1 and 2 and their handles 5 and 6. To the enlarged portion 3 is securely attached the central pivot 7, about which the enlarged portion 4, together with its blade and handle, move. This pivot 7 is not screwed or riveted to the enlarged portion 4 and is not for the purpose of holding the blades together, but is simply to form a center or bearing. The adjacent faces of the enlarged portions 3 and 4 are smooth and formed so that they will fit snugly against each other. The enlarged portion 4 is provided with the slots 8, which slots are for the purpose of permitting the screws or their equivalents 9 to be passed through

the portion having the slots and connected to the portion 3, and by providing the cap 10 and locating the same on the outer face of the enlarged portion 4 and over the slots 8 the shear-blades can be held in proper relative position, and at the same time all wear can be taken up from time to time without in any way interfering with the bearing provided for the movement of the blades.

By my peculiar arrangement the shears will wear and remain in good order much longer and work with more ease, because they will not bind or stick when open, as is common with the ordinary shears.

In use I prefer to employ two slots, such as 8; but the number of slots is immaterial, as the only object is to provide a means for connecting the cap 10 in such a manner that one of the blades is free to move independent of the cap.

For the purpose of providing a means for allowing the cap to fit snugly upon the outer face of the enlarged portion 4 and at the same time taking up the wear from time to time without interfering with the fitting of the cap, the rivet-stud 7 should be formed somewhat shorter than the thickness of the portion through which it is passed; but this difference between the length and the thickness need be but slight.

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

1. In shears as described, blades and handles pivotally connected together, a cap rigidly attached to one of the blades, enlarged portions located between the blades and handles, one of the enlarged portions provided with a fixed pivot and the other enlarged portion provided with segmental slots, and the cap-screws extended through said segmental slots, substantially as and for the purpose specified.

2. In shears made as herein described one of the blades having two or more segmental slots, cap-screws passing therethrough and secured in the other blade, and a pivot secured in the other blade and operating in the central pivotal hole of the first-named blade.

3. The combination of shear-blades pro-

vided with handle portions, enlarged portions
located between the shear and handle por-
tions and fitted face to face one of the enlarged
portions provided with a fixed pivot or bear-
5 ing-point, and the other enlarged portion pro-
vided with segmental slots, a cap located upon
the outer face of one of the enlarged portions,
and cap-screws passed through the cap, and
the segmental slots and connected to the en-

larged portion provided with the fixed pivot, 10
substantially as and for the purpose specified.

In testimony that I claim the above I have
hereunto subscribed my name in the presence
of two witnesses.

CHARLES J. LOICHOT.

Witnesses:

J. A. JEFFERS,
F. W. BOND.