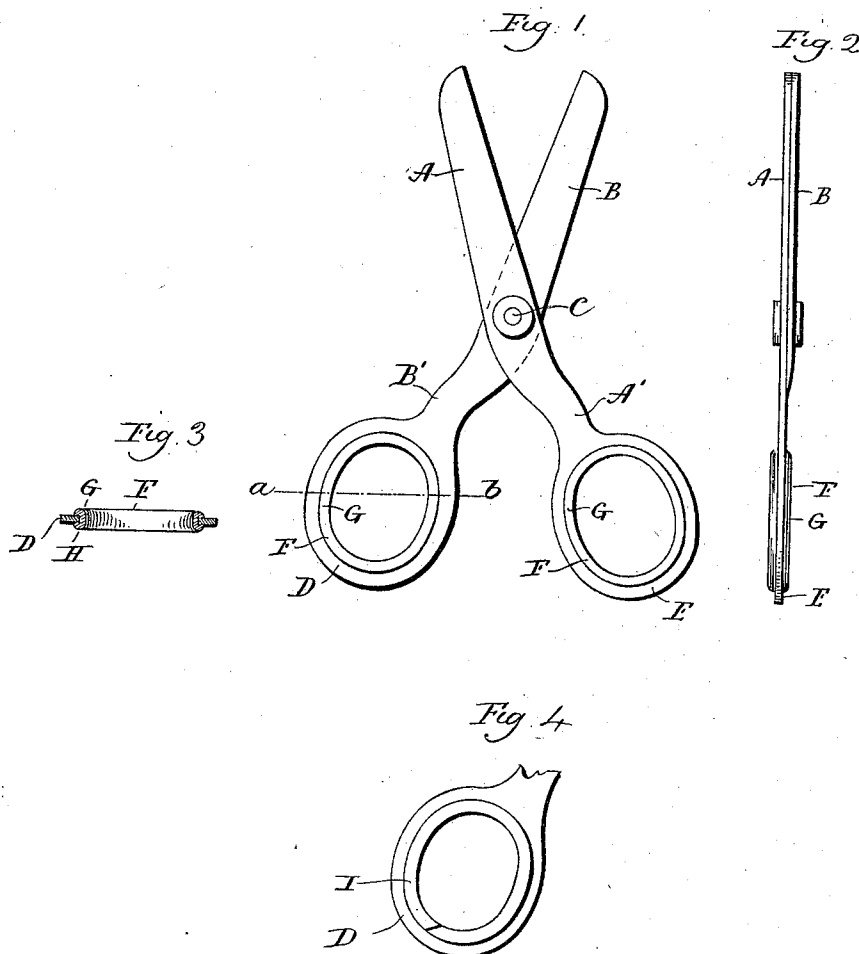


(No Model.)

M. C. OGDEN.
SHEET METAL SCISSORS OR SHEARS.

No. 606,472.

Patented June 28, 1898.



Witness
J. H. Shumway
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UNITED STATES PATENT OFFICE.

MORTIMER C. OGDEN, OF NEW YORK, N. Y.

SHEET-METAL SCISSORS OR SHEARS.

SPECIFICATION forming part of Letters Patent No. 606,472, dated June 28, 1898.

Application filed December 6, 1897. Serial No. 680,947. (No model.)

To all whom it may concern:

Be it known that I, MORTIMER C. OGDEN, of New York, in the county of New York and State of New York, have invented a new
5 Improvement in Sheet-Metal Scissors or Shears; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear,
10 and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a plan view of a pair of scissors constructed in accordance with my invention;
15 Fig. 2, an edge view of the same; Fig. 3, a sectional view on the line *a b* of Fig. 1; Fig. 4, a modification.

This invention relates to an improvement in scissors or shears, and to that class in which
20 the blades and their respective handles are cut from pieces of sheet metal. In scissors or shears of this class it is necessary that there should be some finish given to the inner edge of the loops or eyes of the handles to
25 enable one to properly grasp the same for use.

The object of this invention is to provide the handles with a suitable reinforce or bearing which may be readily applied and give a neat finish to the handle; and it consists
30 in the construction as hereinafter described, and particularly recited in the claims.

The blades *A B* and their respective handles *A' B'* are cut from sheet metal and the blades connected together by a rivet *C* in
35 the usual manner. Preferably the adjacent faces of the blades will be slightly concave to insure the meeting of the edges throughout the entire length of the blade. One or
40 both of the handles will also be bent, so as to bring the eyes *D E* into line with each other, so that they will form a stop to limit the movement of the blades, a construction com-

mon in sheet-metal shears. As a finish and to increase the thickness of the inner edge of the eyes *D E*, I place within the eyes a bush- 45 ing-ring *F*, having a flange *G*, which rests upon one face of the handles, and then turn the edge *H* over upon the opposite face of the handles, so as to securely interlock the bushing *F* in the said eyes, and as clearly 50 shown in Fig. 3. Instead of inserting an integral ring, as just described, I may employ a divided wire bushing-ring *I*, corresponding in diameter to the diameter of the eyes and formed with a groove in the edge thereof to 55 receive the inner edges of the loops, the spring of the wire being sufficient to hold the same in position, although, if desired, it may be slightly compressed to positively interlock it with the metal handles. The bushings 60 thus applied to the sheet-metal loops increase the thickness of the inner edges, so that they may be conveniently held and operated.

Having fully described my invention, what 65 I claim is—

1. The herein-described sheet-metal scissors or shears, having bushings located within the loops and overlapping the inner edges thereof, substantially as described. 70

2. The herein-described sheet-metal scissors or shears, having flanged bushings inserted through the loops so as to rest upon one side thereof, and upset upon the opposite side, whereby the bushings are interlocked 75 in the loops, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

M. C. OGDEN.

Witnesses:

GEO. O. FOSTER,
LESTER S. HUBBARD.