

(Model.)

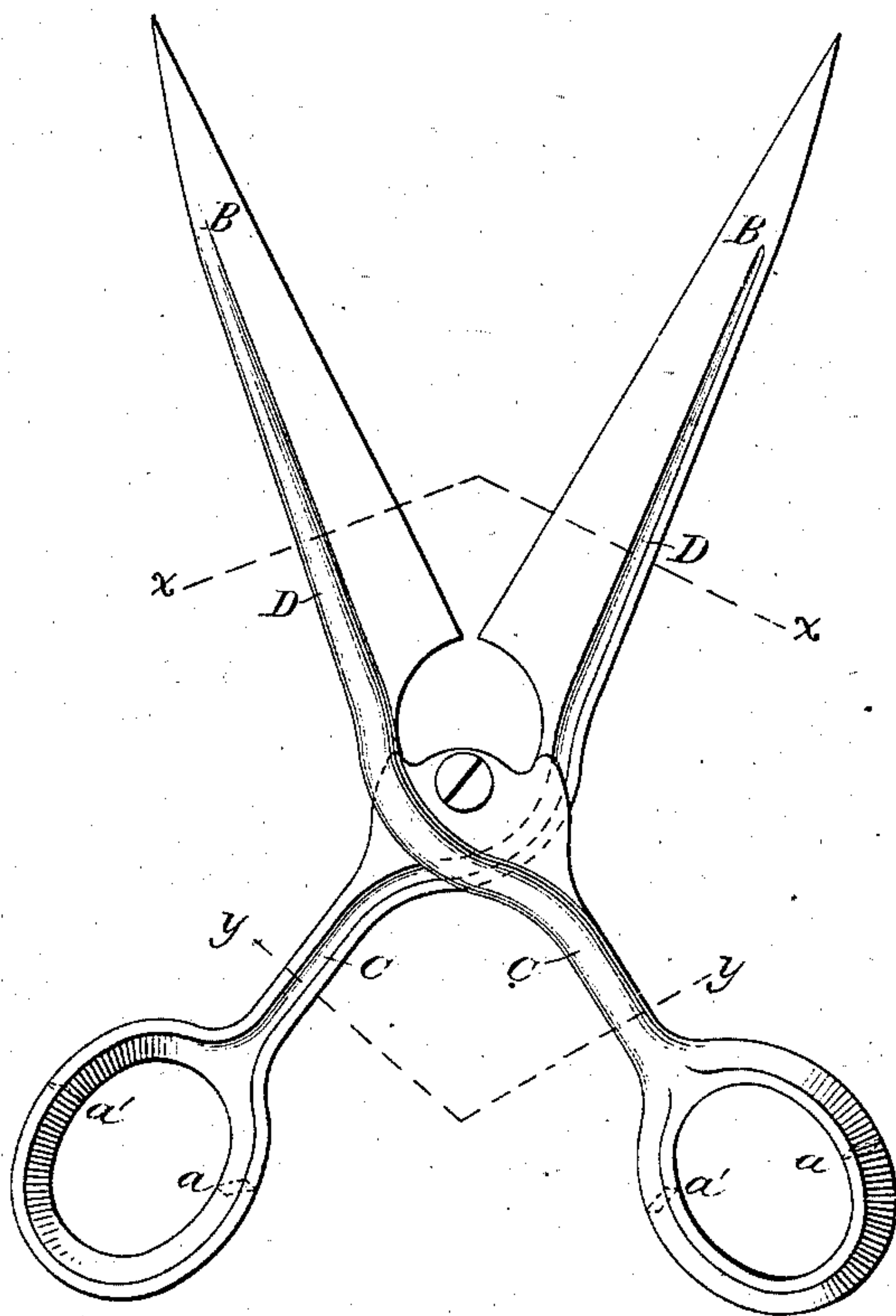
W. S. VAN HOESEN.

CORRUGATED SCISSORS AND SHEARS.

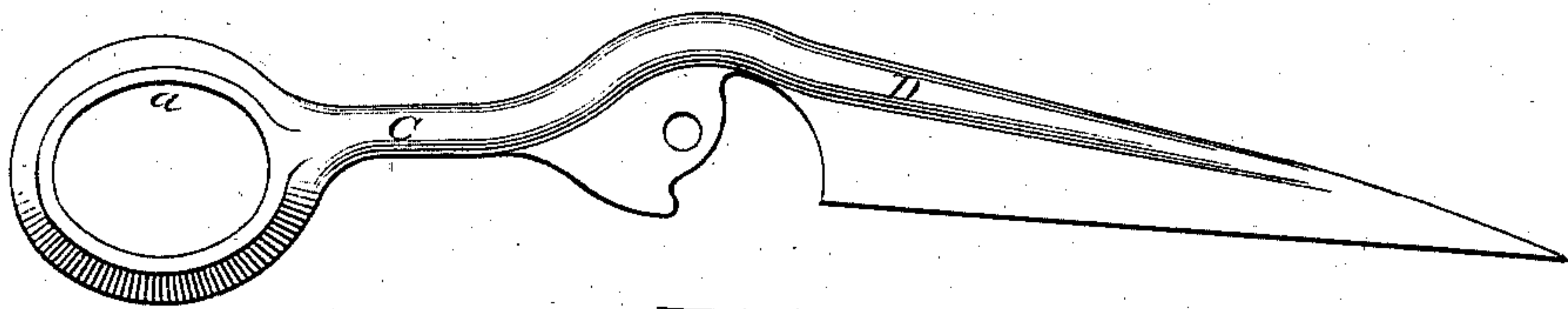
No. 254,735.

Patented Mar. 7, 1882.

*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



Witnesses:

*J. F. Wolcott.*

*Wm. S. Van Hoesen.*

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# UNITED STATES PATENT OFFICE.

WILLIAM S. VAN HOESSEN, OF SAUGERTIES, NEW YORK.

## CORRUGATED SCISSORS AND SHEARS.

SPECIFICATION forming part of Letters Patent No. 254,735, dated March 7, 1882.

Application filed October 17, 1881. (Model.)

*To all whom it may concern:*

Be it known that I, WILLIAM S. VAN HOESSEN, of the town of Saugerties, in the county of Ulster and State of New York, have invented a new and useful Improvement in Scissors and Shears, which improvement is fully set forth in the following specification and accompanying drawings.

My invention relates to improvements in making the cutting-blades of scissors and shears, they being struck up of sheet metal, with corrugation or corrugations running along or near the back edge of the blades and through the handle, terminating in the bows, making a light, strong, and desirably-formed instrument.

Figure 1 shows my invention when made and used as a combined scissors and button-hole cutter. Fig. 2 shows the form of steel blanks from which the parts of scissors are made. Fig. 3 is a sectional view of the blades on the line  $x$  of Fig. 1, and Fig. 4 is a sectional view of the handle on the line  $y y$  of Fig. 1.

The blanks are preferably cut from sheet-steel and then placed between suitable dies or formers, which, by means of a drop-press or any other suitable device, strike or bend them in the form desired, as shown by Fig. 1, which represents a scissors complete. The inner edges of the bows, at  $a$  in Fig. 2, are bent or formed outward, as shown by Fig. 1 at  $a a'$ , for the purpose of giving them more width of bearing and a desirable shape for the ease of the fingers when in use. From the said bows to a point, B, or to the extreme end of the blank or blade, as may be deemed best, is formed a corrugation, running through the shank or handle portion of said blank or blade at C, and

then along the back edge of said blank or blade D. The shape of said corrugation is better shown by reference to Figs. 3 and 4, which represent the outer and inner appearance of said corrugation.

The object of my invention is to enable any one skilled in the art to make scissors and shears from thin sheet metal, without forging, by simply bending or otherwise forming them in shape, with a corrugation running through the handle, and thence along the back edge of the blade, for the purpose of strengthening and giving them a desirable form, thereby producing a scissors that shall be extremely light, of desirable form, and at the same time a very strong instrument.

I am aware that scissors have been made of sheet-steel formed in a solid and nearly-finished shape in dies. I am also aware that in other cutting instruments corrugations have been used, all of which I disclaim.

The distinctive character of my improvement is found in the foregoing specifications and the following claim.

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

Cutting-blades of scissors and shears struck up of sheet metal with corrugation or corrugations running along or near the back edge of the blades and through the handle, terminating in the bows, as and for the purpose specified.

WILLIAM S. VAN HOESSEN.

Witnesses:

W. H. WRIGHT,  
JOHN O'CONNELL.