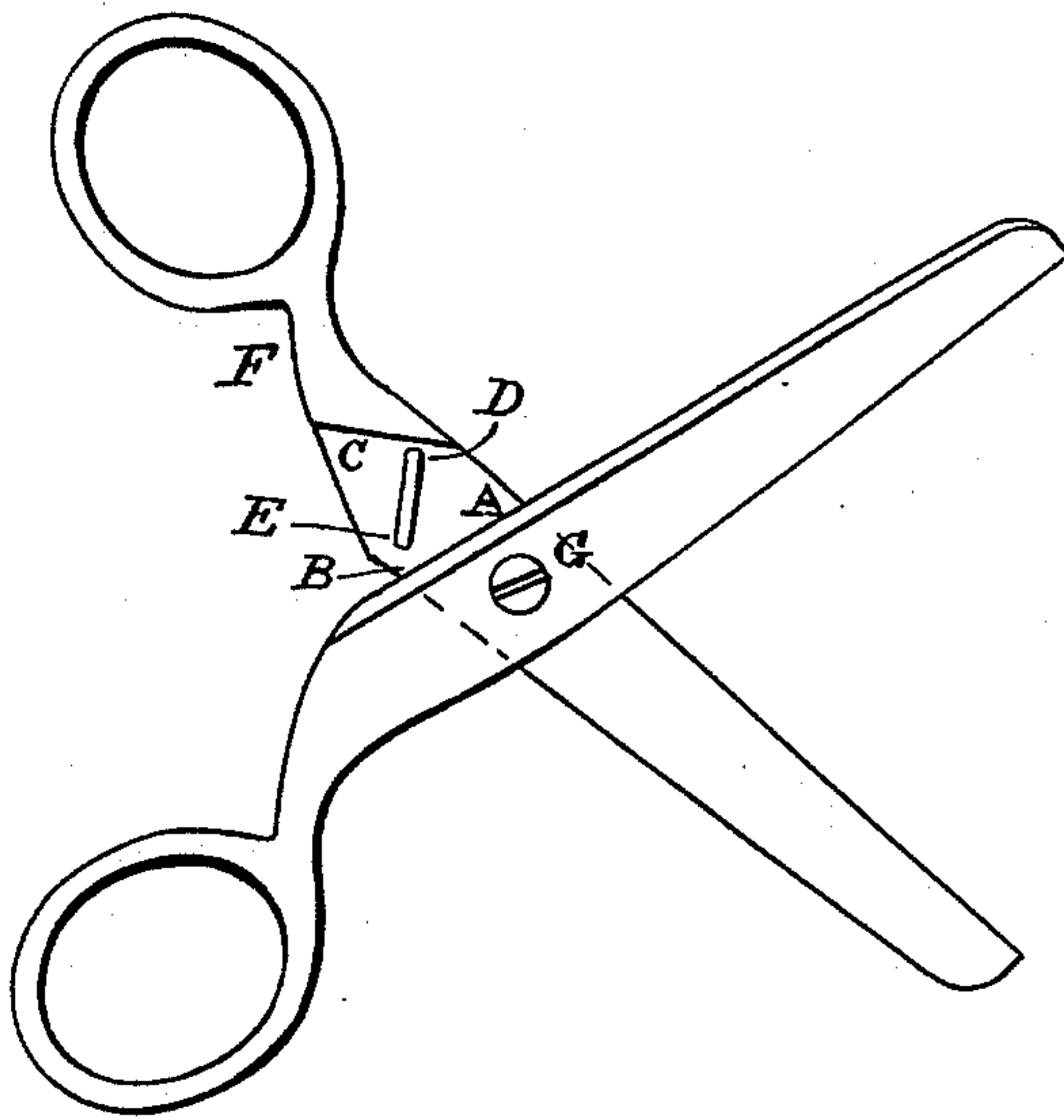


G. CONOVER.
Scissors and Shears.

No. 222,672.

Patented Dec. 16, 1879.



Witnesses:
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Wm. H. Bates

Inventor:
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UNITED STATES PATENT OFFICE.

GEORGE CONOVER, OF MIDDLETOWN, CONNECTICUT.

IMPROVEMENT IN SCISSORS AND SHEARS.

Specification forming part of Letters Patent No. **222,672**, dated December 16, 1879; application filed October 15, 1879.

To all whom it may concern:

Be it known that I, GEORGE CONOVER, of the city of Middletown, in the county of Middlesex and State of Connecticut, have invented a new and useful Improvement in Scissors or Shears, of which the following is a specification.

My improvement consists of the application of a narrow-faced cam or beveled projection to the inner face of the shank of the blade, placed about midway between the pivot-pin and the junction of the finger-holes with the shank. This projection is at right angles, or nearly so, to the shoulder against which the other blade-shank shuts when the scissors or shears are closed. A slot is cut across the face of the shank, and the projection is let into it and fastened by means of two pins, one at each end, extending through the shank and headed upon the outside. When so set the end of the projection nearest to the shoulder is about a thirty-second of an inch above the face of the shank for five-inch scissors, and increasing slightly for longer scissors. From this end to the other is a uniform bevel, so that the latter is flush with the face of the shank.

In the drawing, A B C is the inner face of the shank. D E represent the cam or beveled projection, highest at D, near the shoulder A

C, to which shoulder the projection is at right angles, and about midway between F and G.

The operation of this improvement is obvious. As the blades of the scissors are closed the narrow-faced projection on one shank gradually tilts the other shank as it slips upon it, and gives the blade a twisting movement, which causes the cutting-edges to press together and do effective work all along the edges to the very tips of the blades, pressing the blades together most at the tips, where the pressure is most needed. To be most effective the cam should be made very narrow on its face.

The improvement may be applied to all scissors and shears of the general form pictured in the drawing, and will be found to facilitate the use of scissors, whether taken in the right hand or the left.

What I claim is—

The combination of a narrow-faced cam or beveled projection with the inner face of the shank of the scissors-blade, in the manner and for the purpose substantially as described.

GEORGE CONOVER.

Witnesses:

ROBERT G. PIKE,

JOSEPH A. FULLER.