

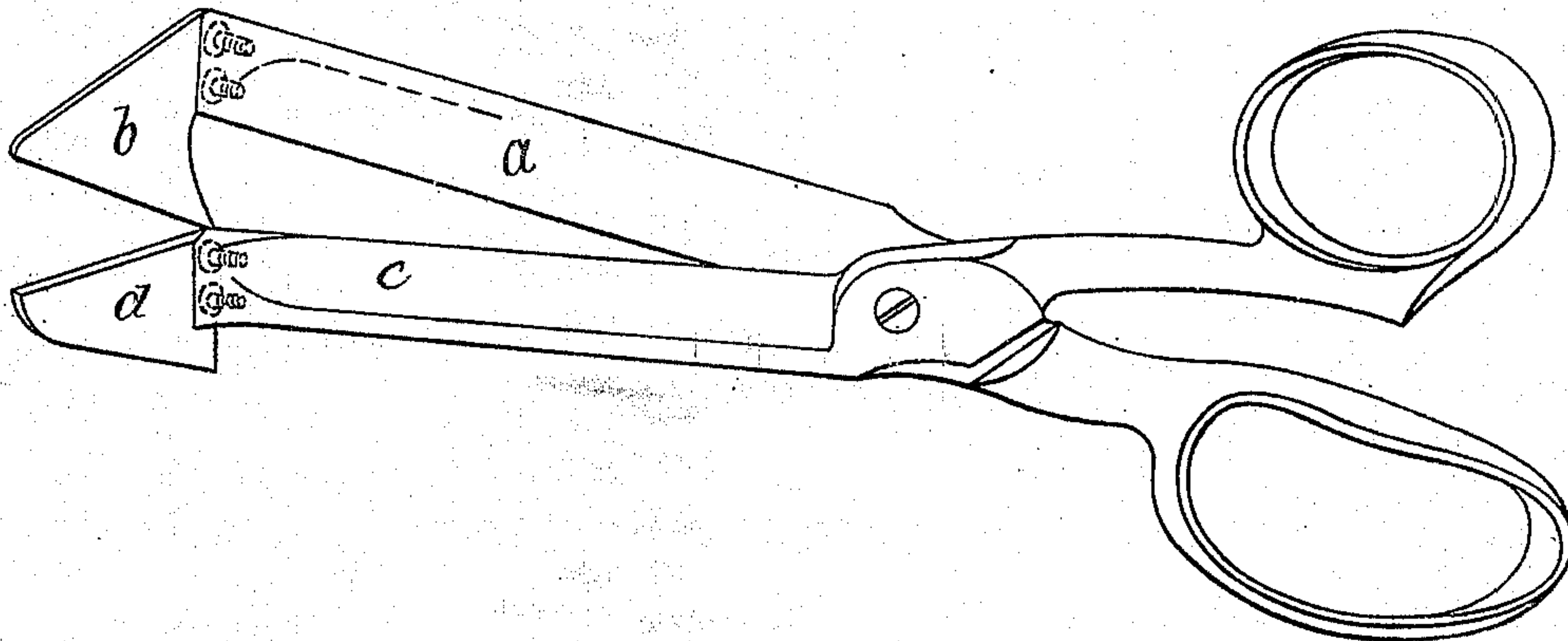
(No Model.)

G. S. VAN PELT.

COUPON SHEARS.

No. 274,998.

Patented Apr. 3, 1883.



WITNESSES

*Chas. E. Lansing*

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# UNITED STATES PATENT OFFICE.

GILBERT S. VAN PELT, OF NEW YORK, N. Y.

## COUPON-SHEARS.

SPECIFICATION forming part of Letters Patent No. 274,998, dated April 3, 1883.

Application filed November 16, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, GILBERT S. VAN PELT, a citizen of the United States, residing at New York, in the county and State of New York, have invented a certain Improvement in Duplex Shears, of which the following is a specification.

The said improvement relates to instruments for cutting the two sides of a right angle simultaneously. Instruments of this character have been proposed for cutting at one operation the two sides of a coupon by which it is connected with its bonds. In one kind of these a pair of shears with the blades made somewhat longer than usual has had the ends bent at right angles with the main portions of the blades, so that when one side has been progressively severed, as in the ordinary shearing action of a pair of shears, the other side is then also attempted to be cut along its full length at once by the further operation of the instrument. In another a supplementary blade is hung on a pivot at right angles to the ordinary blade, by which it is worked with the shearing motion that is necessary for its efficient action.

The object of the present invention is to combine the simplicity of one of these kinds of instruments with the efficiency of the other, and it is accomplished by having the blades turned at right angles, and with the cutting-edges of the end pieces in angular planes relatively to those of the normal shears and with each other, so that the shearing action of both sets of blades will be simultaneous or continuous and progressive.

To enable others skilled in the arts to which

it appertains to make and use my invention, I will proceed to describe its construction and operation with reference to the drawing.

The figure represents a duplex or double-acting shears made according to my said improvement, and opened so that its parts and peculiar construction may be more fully exhibited.

The upper blade, *a*, has secured to it at a right angle the angular blade *b*, so that as those blades close upon the lower blades, *c* and *d*, the two sides of the intervening coupon are cut together and simultaneously from and to their point of intersection. The lower blades, if made integral, may be sharpened readily on the exterior surface of the angle; but by making the upper blade, *b*, separate from *a* they may be disconnected and sharpened separately without the difficulty that would be inherent to sharpening them together on the interior of the angle. Both the end blades are represented in the drawing as secured to the main blades by screws that are tapped into their ends.

I claim as my invention and desire to secure by Letters Patent—

The combination, with the cutting-blades *a* and *c*, of the cutters *b* and *d*, secured rigidly at right angles therewith, and with relatively angular cutting-edges to cut with a shearing motion, substantially as described.

GILBERT S. VAN PELT.

Witnesses:

CHAS. E. LANSING,  
WM. KEMBLE HALL.