(No Model.)

# D. WHEELER.

## SCISSORS AND SHEARS.

No. 318,530. Patented May 26, 1885.

Fig. 1.

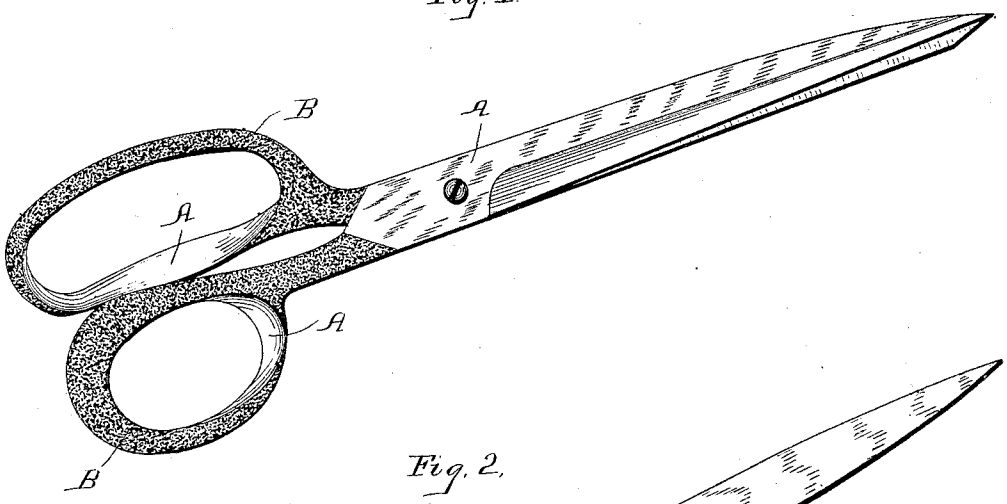
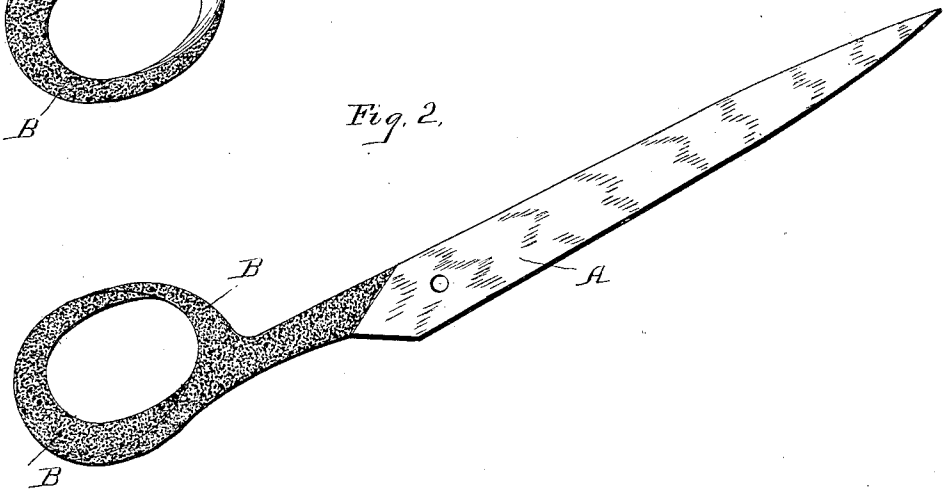



Fig. 2.




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N. PETERS. Photo-Lithographer, Washington, D. C.

# UNITED STATES PATENT OFFICE.

DWIGHT WHEELER, OF BRIDGEPORT, CONN., ASSIGNOR OF TWO-THIRDS TO JOHN A. CROFUT AND DAVID C. WHEELER, BOTH OF SAME PLACE.

## SCISSORS AND SHEARS.

SPECIFICATION forming part of Letters Patent No. 318,530, dated May 26, 1885.

Application filed July 15, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, DWIGHT WHEELER, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Scissors and Shears; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to scissors and shears, and has for its object to simplify and cheapen their construction. It is of course well understood that the custom is, in all except the cheapest grades of goods, to plate both the blades and bows with either nickel or silver. In order to do this successfully and have the finished goods present a smooth and polished appearance, it is necessary to grind or polish the entire surface of the shears upon emery-wheels or in any suitable manner before plating, and to polish them after plating. This adds largely to the cost of production. The cost of grinding or polishing the outside of the bows alone, simply to prepare them for plating, amounting to between four and nine dollars per gross, depending upon the size and shape of the shears, in addition to which the entire polished surface requires to be buffed or finished after plating.

I have experimented for considerable time for the purpose of discovering a style of finishing scissors and shears which would reduce the cost of production and at the same time would produce an attractive article of commerce new to the trade. The result of my experiments has been the production of the novel and inexpensive shears which I will now proceed to describe, referring by letters to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective illustrating the preferred form in which I carry out my invention as applied to ordinary work-table shears. Fig. 2 represents a single shear-blade, illustrating the application of my invention in a slightly-modified form.

A in both figures represents portions of the surface which have been ground, then plated, and then buffed in the ordinary manner.

B represents portions of the surface finished in my improved style, which is to cast certain parts roughly, preferably the exterior of the bows alone, plate those parts as they come from the molds (the ordinary processes of cleaning the castings excepted)—that is, without grinding or polishing—after which they require no buffing or polishing whatever, but present a beautiful frosted appearance, which is much less expensive to produce than polished work, and which readily commands a higher price in the market.

In Fig. 1 the inside of the bows is shown as ground before plating, and polished afterward, while the outside is shown as cast rough and plated without grinding.

In Fig. 2 both the inside and outside of the bows is shown as cast rough and plated without polishing.

I do not of course limit myself to any special style or design in the rough casting, as I may use lines, broken lines, hatching, fret-work, or stipple-work, as indicated in the drawings. Neither do I, on the other hand, make claim to the broad idea of electroplating upon a roughened surface, as I am well aware that this has been done prior to my invention; but,

Having fully described my invention, I claim—

As a new manufacture, plated scissors or shears having portions of their surface ground smoothly before plating and polished after plating, and other portions cast with a roughened surface and left unpolished, whereby said portions are given a frosted appearance.

In testimony whereof I affix my signature in presence of two witnesses.

DWIGHT WHEELER.

Witnesses:

A. M. WOOSTER,

A. B. FAIRCHILD.