

A.D. 1858, 29th NOVEMBER. N° 2707.

Manufacture of Scissors.

LETTERS PATENT to George Oates, of Gatefield Works, Sheffield, in the County of York, Scissors Manufacturer, for the Invention of "IMPROVEMENTS IN THE MANUFACTURE OF SCISSORS." – A communication.

Sealed the 27th May 1859, and dated the 29th November 1858.

PROVISIONAL SPECIFICATION left by the said George Oates at the Office of the Commissioners of Patents, with his Petition, on the 29th November 1858.

I, GEORGE OATES, of Gatefield Works, Sheffield, in the County of York, Scissors Manufacturer, do hereby declare the nature of the said Invention for 'IMPROVEMENTS IN THE MANUFACTURE OF SCISSORS,' (a communication from a foreigner residing abroad,) to be as follows: –

This Invention relates to the introduction of dies in the process of forging scissors, by means of which a uniform configuration of the sides or bows may be obtained, and elaborate ornamentation impressed upon them at a relatively small cost. At present the ornamental parts of scissors are reduced to figure at a vast expenditure of labor by filing. I propose to have dies cut of such conformation as may be needed for various designs, and with a weight or stamp to force each half of a pair of scissors into its respective die until reduced to proper form, thus materially reducing the amount of labor involved in finishing the scissors.

SPECIFICATION in pursuance of the conditions of the Letters Patent, filed by the said George Oates in the Great Seal Patent Office on the 28th May 1859.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, GEORGE OATES, of Gatefield Works, Sheffield, in the County of York, Scissors Manufacturer, send greeting.

WHEREAS Her most Excellent Majesty Queen Victoria, by Her Letters Patent, bearing date the Twenty-ninth day of November, in the year of our Lord One thousand eight hundred and fifty-eight, in the twenty-second year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said George Oates, Her special licence that I, the said George Oates, my executors, administrators, and assigns, should at any time agree with, and no others, from time to time and at all times thereafter during the term therein expressed, should and lawfully might make, use, exercise, and vend, within the United Kingdom of Great Britain and Ireland, the Channel Islands, and Isle of Man, and Invention for "**IMPROVEMENTS IN THE**

MANUFACTURE OF SCISSORS,” (a communication from a foreigner residing abroad,) upon the condition (amongst others) that I, the said George Oates, my executors or administrators, by an instrument in writing under my, or their, or one of their hands and seals, should particularly describe and ascertain the nature of the said Invention, and in what manner the same was to be performed, and cause the same to be filed in the Great Seal Patent Office within six calendar months next and immediately after the date of the said Letters Patent.

NOW KNOW YE, that I, the said George Oates, do hereby declare the nature of the said Invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement: –

This Invention relates to the introduction of dies in the process of forging scissors, by means of which a uniform configuration of the sides or bows may be obtained, and elaborate ornamentation impressed upon them at a relatively small cost. At present the ornamental parts of scissors are reduced to figure at a vast expenditure of labor by filing. I propose to have dies cut of such conformation as may be needed for various designs, and with a weight or stamp to force each half of a pair of scissors into its respective die until reduced to proper form, thus materially reducing the amount of labor involved in finishing the scissors.

In order that my Invention may be more clearly understood and readily carried into effect, I will now proceed to describe the same, reference being had to the annexed Sheet of Drawings, and to the letters and figures marked thereon.

Fig. 1 represents the required outline form of one limb of the scissors as generally produced by the ordinary method of manufacture; according to which the ornamental portions are shaped and worked out exclusively by the operation of filing. Figs. 2 & 3 are top views, and Figs. 6 & 8 sections, of a pair of dies, in each of which the corresponding ornamental portion or pattern has been sunk or engraved, and between these dies each half or limb of the scissors, or a portion thereof, is successively placed and stamped or compressed. After having undergone this process, the scissors are readily finished by the ordinary method, and put together or mounted, as shown in Fig. 7.

Another application of my Invention consists in similarly impressing the ornamental design upon one side of each limb of the scissors only, leaving the other side plain, as shown in Figs. 9 & 10. This is effected by dies such as that represented in top view in Fig. 4, and in section in Fig. 11, the bow being subsequently shaped by forging, as shown in Fig. 5, and thereupon subjected to the treatment described with reference to Figs. 2 & 3, 6 & 8.

Having now described the nature of my Invention, and the manner in which the same is or may be carried into effect, I wish it to be understood that what I claim as the Invention intended to be secured to me by the herein-before in part recited Letters Patent is, the application and use of dies and stamping apparatus for producing the ornamental portions of scissors in the process of manufacture, as described.

In witness whereof, I, the said George Oates, have hereunto set my hand and seal, this
Twenty-seventh day of May, in the year of our Lord One thousand eight hundred and fifty-nine.

GEORGE OATES. (L.S.)

LONDON:

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1859.

Section C. D.

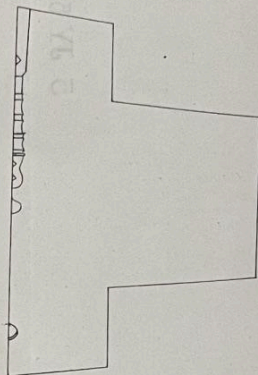


FIG. 6.

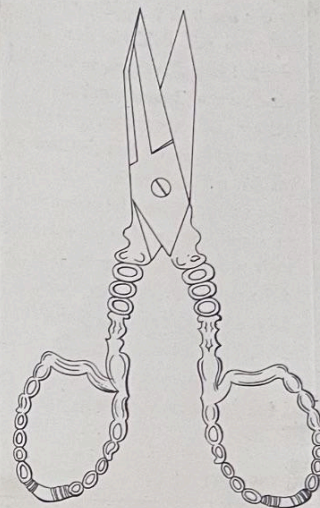


FIG. 7.

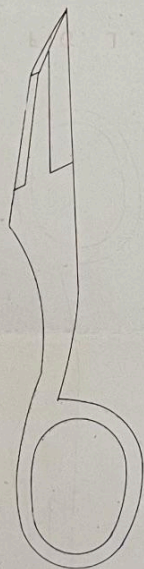


FIG. 1.

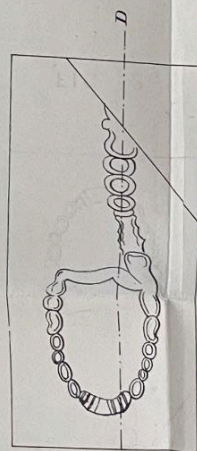


FIG. 2.

Section C. D.

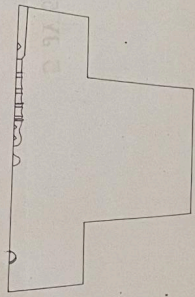


FIG. 6.

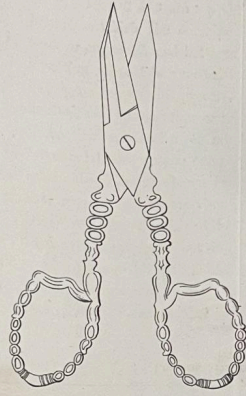


FIG. 7.

Section A. B.

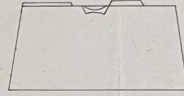


FIG. 8.

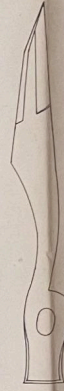


FIG. 9.

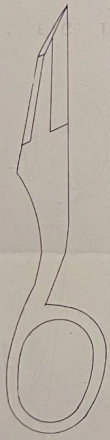


FIG. 1.

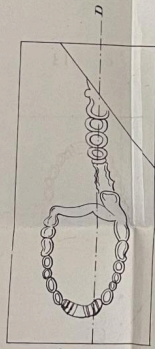


FIG. 2.

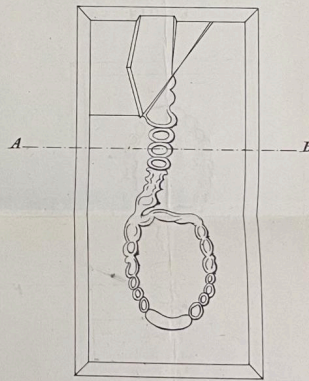


FIG. 3.

not colored.

Section A. B.

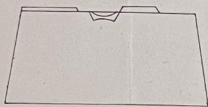


FIG. 8.

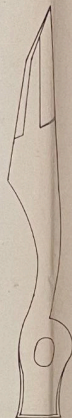


FIG. 9.



FIG. 10.

Section E. F.

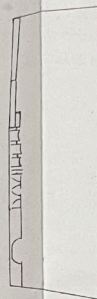


FIG. 11.

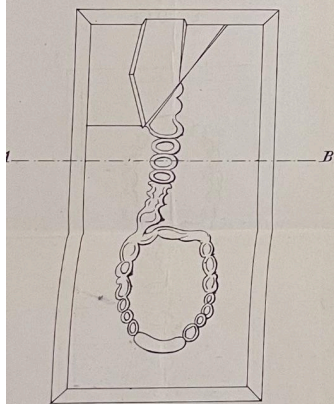


FIG. 3.

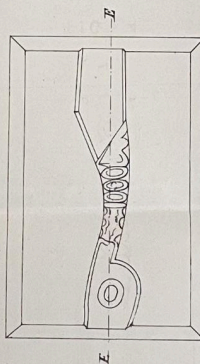


FIG. 4.

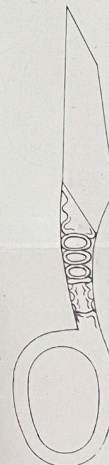


FIG. 5.