

No. 822,456.

PATENTED JUNE 5, 1906.

W. E. JONES.

SCISSORS.

APPLICATION FILED JULY 3, 1905.

FIG. 1.

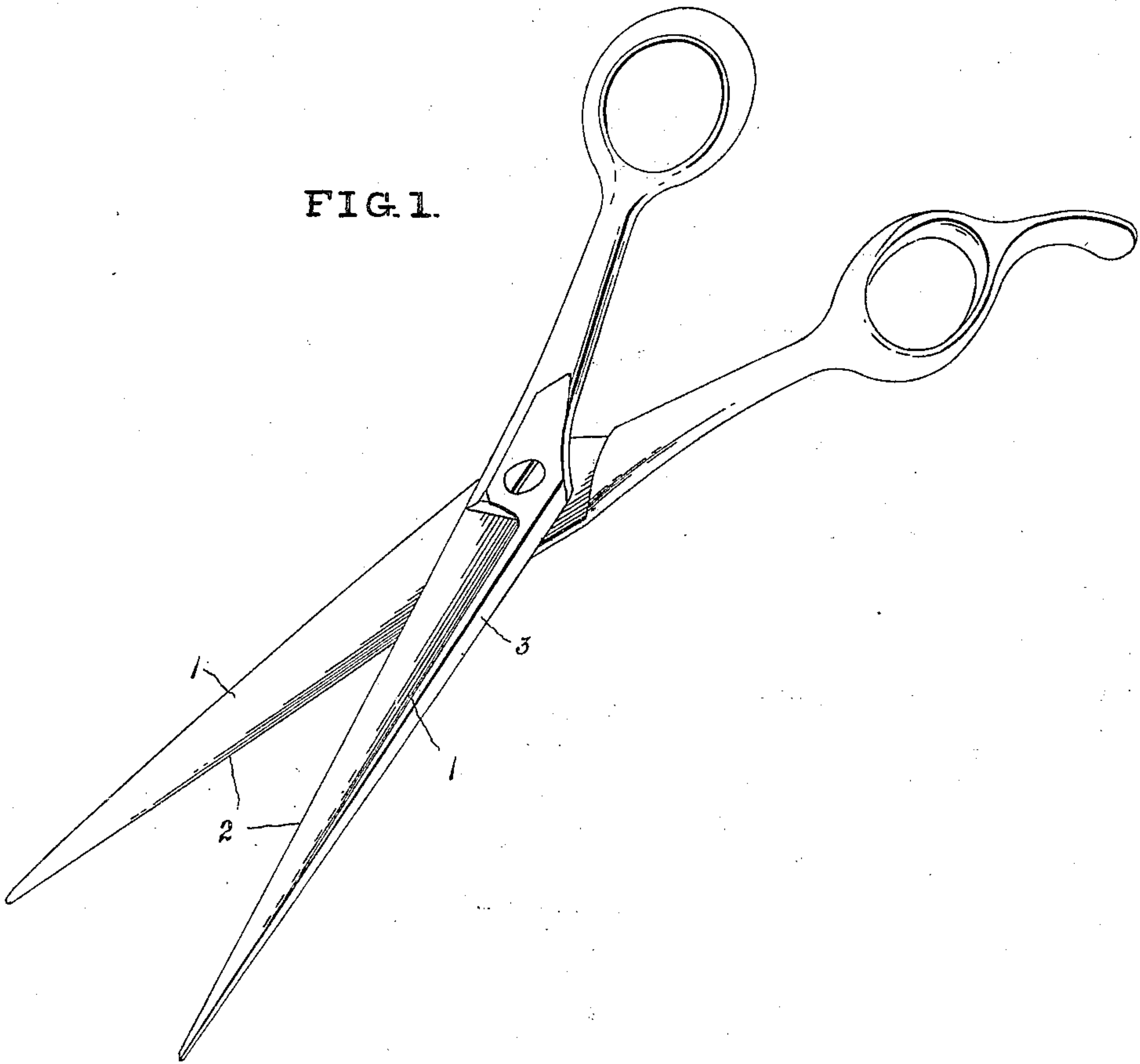
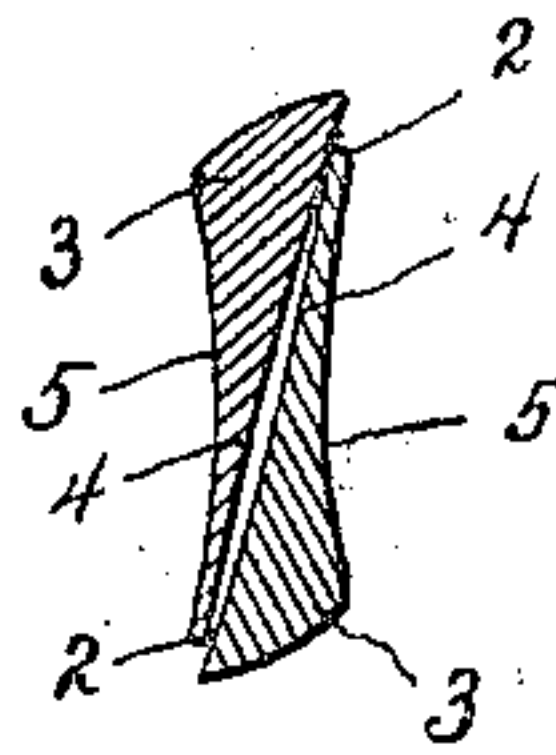


FIG. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM E. JONES, OF MACON, MISSOURI.

SCISSORS.

No. 822,456.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM E. JONES, a citizen of the United States, residing at Macon, in the county of Macon and State of Missouri, have invented certain new and useful Improvements in Cutting-Blade Constructions, of which the following is a specification.

This invention relates to the construction of cutting-blades, and particularly to that class of blades used in scissors, shears, and the like.

It is the object of this invention to provide a rigid blade having a rigid back portion and an elastic cutting edge, which blade will not materially thicken as the edge is sharpened away.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a perspective view of a pair of scissors embodying my invention. Fig. 2 is a cross-section of the blades.

Referring to the drawings, in which like numerals of reference indicate corresponding parts throughout both views, 1 represents the blades of a pair of scissors embodying my invention, provided with cutting edges 2 and backs 3. The adjacent surfaces of blades 1 are slightly concave in cross-section, as shown at 3. The outer surfaces 4 of the blades are also concave, said concave extending from a

point near the cutting edge to the heavy portion or back 3 of the blade.

This construction provides a cutting-blade with an elastic cutting edge of approximately equal thickness throughout the greater part of its width, thereby presenting a cutting edge of uniform thickness during the life of the blade. The heavy back portion 3 gives rigidity to the blade as a whole.

The blades are slightly bowed longitudinally to insure the maintenance of proper shearing contact of the cutting edges throughout the range of movement of the blades and until all parts of the said blades except the rigid back portion thereof are sharpened away.

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

1. Shears or scissors comprising blades having heavy back portions and elastic cutting edges.

2. Shears or scissors comprising cutting-blades each having concaved inner surfaces adapted to form an elastic cutting edge, said blades having heavy back portions adapted to give rigidity to the blade.

3. Shears or scissors comprising cutting-blades having concaved inner and outer surfaces, substantially as described.

4. Shears or scissors comprising cutting-blades having elastic cutting edges and rigid back portions.

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

WILLIAM E. JONES.

Witnesses:

BEN FRANKLIN,
GEO. E. SIMMONS.