

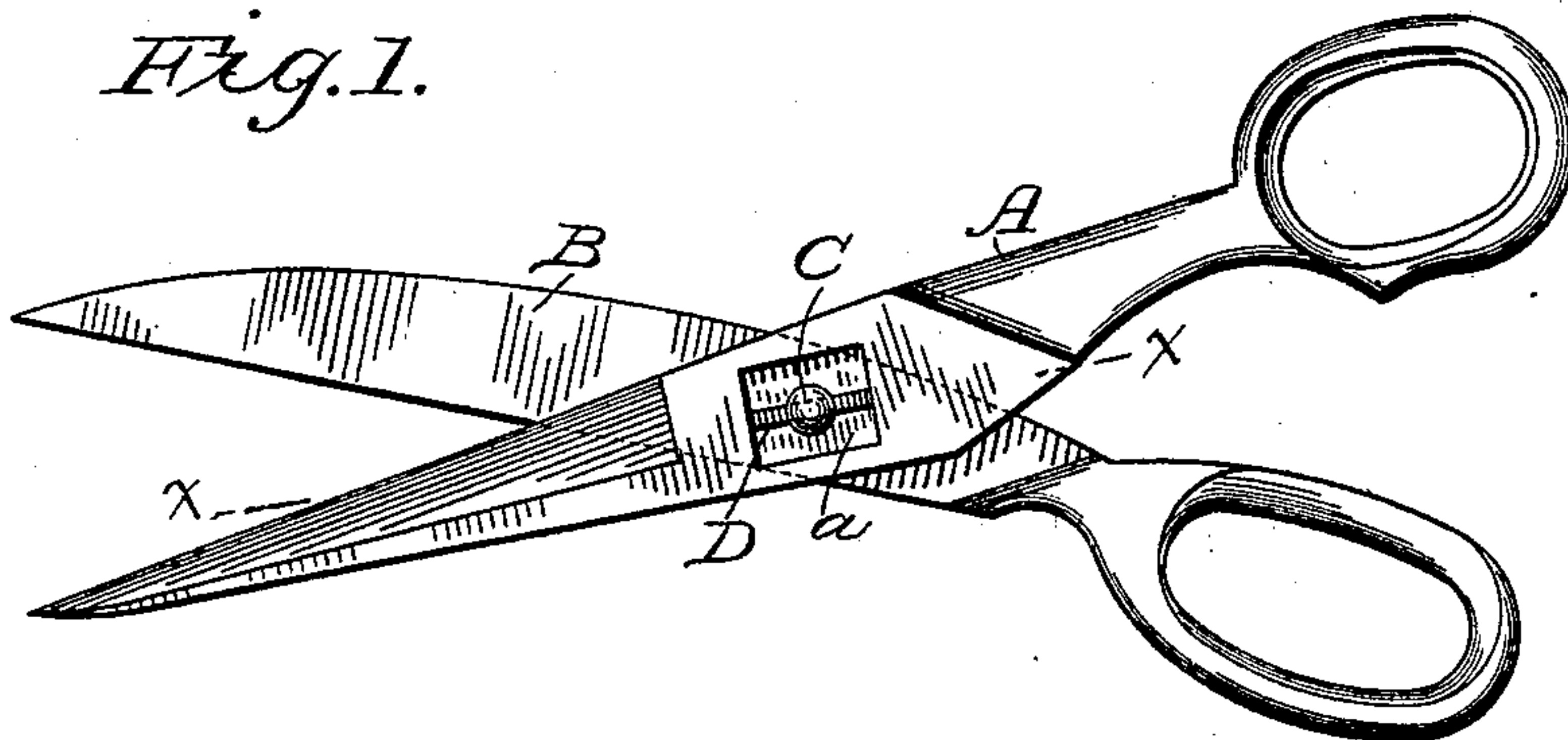
(No Model.)

J. D. PARKINSON.  
SHEARS.

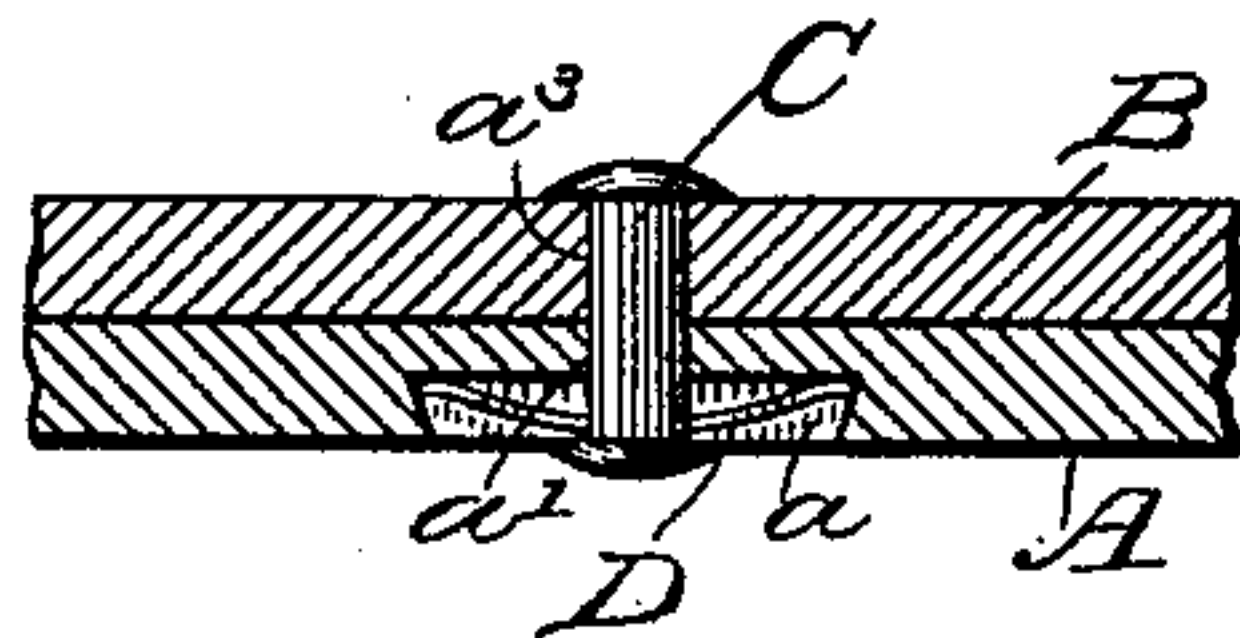
No. 437,660.

Patented Sept. 30, 1890.

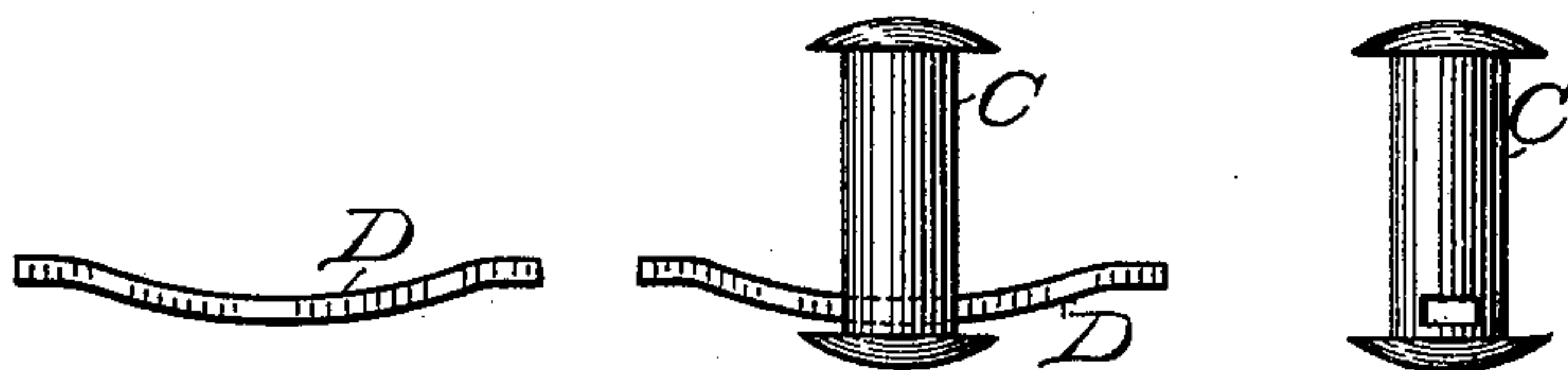
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES

*Wm. Mussel.*  
*B. W. Summers.*

INVENTOR

*James Deas Parkinson*  
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Attorney

# UNITED STATES PATENT OFFICE.

JAMES DEAS PARKINSON, OF RICHMOND, VIRGINIA, ASSIGNOR OF ONE-HALF  
TO HENRY DOUGLAS WINN, OF SAME PLACE.

## SHEARS.

SPECIFICATION forming part of Letters Patent No. 437,660, dated September 30, 1890.

Application filed August 6, 1890. Serial No. 361,166. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES DEAS PARKINSON, a subject of the Queen of Great Britain, residing at Richmond, in the county of Henrico and State of Virginia, have invented certain new and useful Improvements in Scissors, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to an improvement in scissors.

It is well known that the pivot which holds the scissors-blades together soon becomes worn in use, thus loosening the connection of the blades and seriously interfering with their efficiency. To insure a good shearing action the blades should rest as closely together as possible, due regard being paid to the ease and freedom of operation of the scissors.

The primary object of my invention is to provide a scissors in which the connection or relative position of the two blades will be maintained, and a further object of the invention is to secure the rivet or screw in place by means additional to those now in common use.

My improvement consists in the combination, with the blades of a scissors, of a spring connected to and secured by the screw or pivot in the manner hereinafter fully described.

The invention further consists in the features of construction hereinafter fully described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a plan view of a pair of scissors constructed in accordance with my invention. Fig. 2 is a section on the line  $xx$  of Fig. 1. Fig. 3 shows parts in detail.

A and B represent the blades of the scissors, each provided with the usual handles or finger-pieces. The blade A is formed with a countersink  $a$ , surrounding the pivot-opening  $a'$  of the blade. The blade B is formed with the usual pivot-opening  $a^3$ .

C represents the pivot, which may be of any preferred form. It is formed with a transverse slot to receive a flat spring or spring-pin D, the ends of which bear against the opposite walls of the countersink  $a$ . If desired, these walls may be slightly undercut or inclined to aid in retaining the spring in place.

It will be observed that the tension of the spring upon the head of the pivot will serve to draw the blades together and insure a good shearing action between their edges.

A further advantage of my construction is found in the fact that the spring D passes through the pivot and serves to secure the latter in its position.

A further important feature of the improvement is that the ends of the spring are securely held by the walls of the countersink, and inasmuch as the spring-pin D rests within the countersink said pin is below the surface of the blade A, and will therefore not in any wise interfere with the convenient use of the scissors, as might be the case if the spring were arranged upon the blade or projected above it.

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

The combination, with the blade A, formed with a countersink having undercut walls, of the blade B, a pivot formed with a transverse slot, and a spring D, extending through said slot and held at its ends by the walls of the countersink, substantially as set forth.

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

JAMES DEAS PARKINSON.

Witnesses:

W. D. POLLARD,  
F. O. MCCLEARY.