

(No Model.)

D. H. HOLLINGSWORTH.
SHEARS.

No. 578,453.

Patented Mar. 9, 1897.

Fig. 1

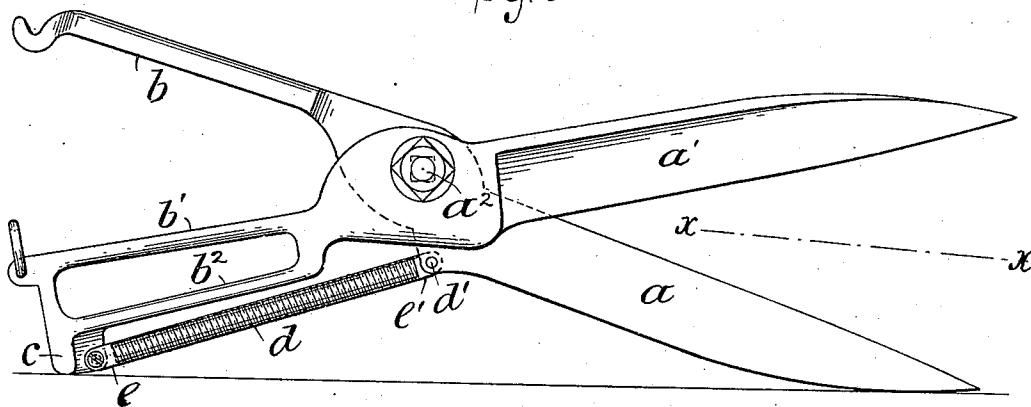


Fig. 2

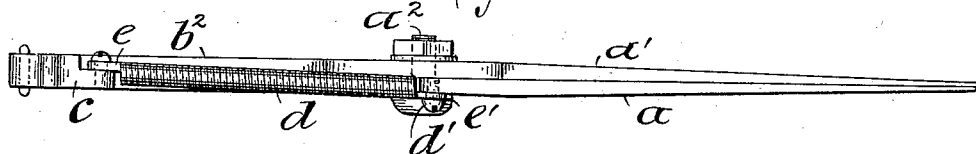
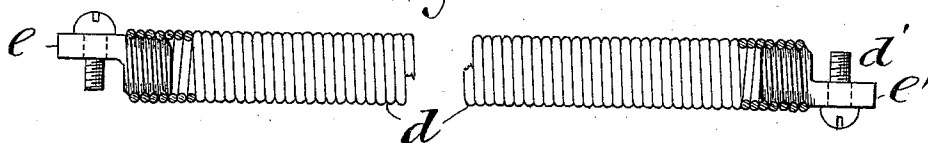


Fig. 3



Witnesses:
Geo. Wadman.
John M. Daily.

Inventor
Daniel H. Hollingsworth,
By his attorney,
Philip J. O'Reilly.

UNITED STATES PATENT OFFICE.

DANIEL H. HOLLINGSWORTH, OF BROOKLYN, NEW YORK.

SHEARS.

SPECIFICATION forming part of Letters Patent No. 578,453, dated March 9, 1897.

Application filed September 8, 1896. Serial No. 605,096. (No model.)

To all whom it may concern:

Be it known that I, DANIEL H. HOLLINGSWORTH, of the city of Brooklyn, county of Kings, and State of New York, have invented
5 a new and useful Improvement in Shears, of which the following is a specification.

In the drawings, Figure 1 is an outside view of a pair of shears constructed according to my invention. Fig. 2 is a side view thereof, and
10 Fig. 3 shows certain details.

a a' designate two ordinary cutting-blades pivotally connected together at a point *a*², arranged at one side of their line of opening, which opening is indicated by a dotted line
15 *x x*, Fig. 1.

b b' designate the shears-handles. These handles are preferably semicircular in cross-section. The handle *b'* is provided with a guard *b*³, having an intervening space sufficient to freely admit the hand of the operator.
20 *c* is a projection adapted to rest and slide upon a work-table when the shears are in use.

d is a coil-spring having one end secured to the projection *c* and its other end to a suitable pin *d'* and tends to hold the shears in an open position.
25 *e e'* are eyebolts having a screw-thread corresponding in pitch to that of the coils composing the spring. These eyebolts are tightly screwed into the ends of the coil-spring, and their eye portions are attached to said fastenings *c* and *d'*. By this construction the tendency of the ends of the springs to break off when attached directly to fastenings in the
35 usual manner is obviated.

The flat portion of each eyebolt is offset from its threaded portion in order that the coil-spring may extend along beneath the guard without projecting sidewise thereof.

I claim—

1. A pair of shears comprising blades, a pivot connecting the blades, the handle *b'* provided with an inclosing guard extending the full length of the handhold, a spring connected to the heel of one blade and to the under side of the aforesaid guard, a table rest or guide projecting from the under side of the guard and protecting the outer end of the spring, said spring adapted for retaining the blades in open position, and means for locking the blades in closed position. 40 45 50

2. A pair of shears comprising blades, a pivot connecting the blades, the handle *b'* provided with an inclosing guard extending the full length of the handhold, a spring connected to the heel of one blade and to the under side of the aforesaid guard, a table rest or guide projecting from the under side of the guard and protecting the outer end of the spring, said spring adapted for retaining the blades in open position, and at all times in the open and closed position of the blades being parallel with the hand-guard, and means for locking the blades in closed position, comprising a ring loosely secured to one handle and a spur integral with the other handle. 55 60 65

DANIEL H. HOLLINGSWORTH.

Witnesses:

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