

E. J. Marster,

Pruning Shears.

No. 106,705.

Patented Aug. 23. 1870.

Fig. 1.

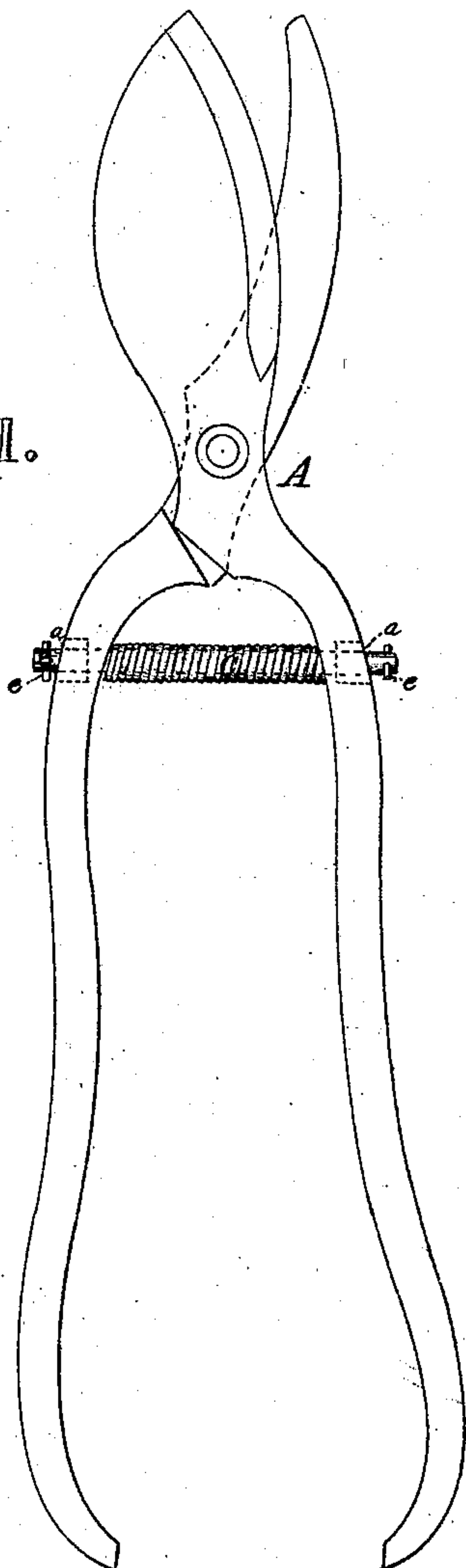
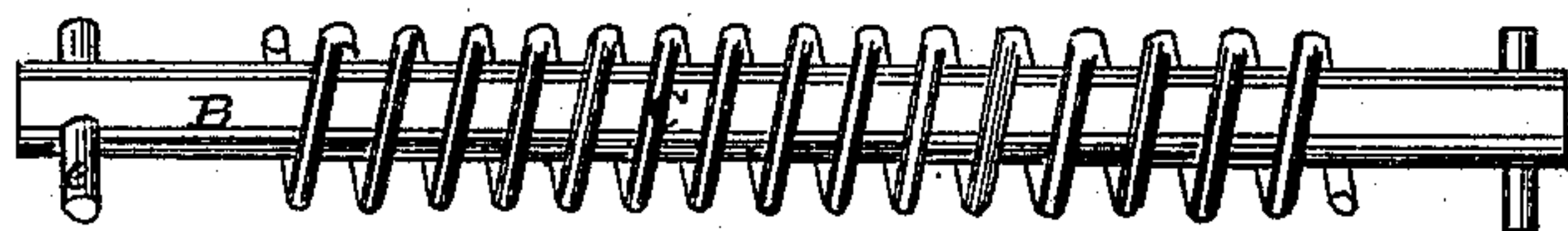


Fig. 2.



Witnesses,

Ville Anderson

Chas Kenyon

Inventor,

E. J. Marsters
Chipman Fosmire & Co
Attorneys,

United States Patent Office.

ENOCH J. MARSTERS, OF SHAW'S FLAT, CALIFORNIA.

Letters Patent No. 106,705, dated August 23, 1870.

IMPROVEMENT IN PRUNING-SHEARS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, ENOCH J. MARSTERS, of Shaw's Flat, in the county of Tuolumne and State of California, have invented a new and valuable Improvement in Pruning-Shears; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a plan view of my pruning-shears.

Figure 2 is a view of the stop-bar and coil-spring, detached.

My invention relates to pruning-shears, and consists in the adaptation of the coiled spring thereto, in combination with a stop, whereby their manufacture is cheapened, and they are rendered easy of repair.

The play of the jaws is also regulated, so that they will not expand beyond the grasp.

The letter A of the drawing designates the shears, whereof the handles are perforated at *a*, to admit the bar B.

C represents the coiled spring, encircling the bar B between the handles of the shears, and serving to expand them.

The projecting ends of the rod or bar B are pro-

vided with pins *e e*, for preventing the expansion of the handles beyond these points.

The coiled spring is inexpensive, and easily applied in the manner shown. Without the rod B, this form of spring could not be used between the handles, as it would not retain its position.

An important object is designed to be effected by the stops on the end of the rod. The handles of the shears are prevented from flying beyond the grasp, and there is, consequently, no extra effort necessary to regain them in the compressing act.

I do not claim, broadly, the operation of pruning-shears by means of a spring, or any stop, to regulate the expansion thereof; but

What I claim as my invention, and desire to secure by Letters Patent, is—

In a pair of pruning-shears, the arrangement of the bar B, capable of moving endwise in either direction, the coiled spring *c*, removable pins or stops *e*, and recesses *a*, substantially as shown and described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ENOCH J. MARSTERS.

Witnesses:

J. M. LORING,

A. BULLERDIECK.