

J. J. CONWAY.  
TENSION DEVICE FOR SHEARS.  
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907,464.

Patented Dec. 22, 1908.

Fig. 1.

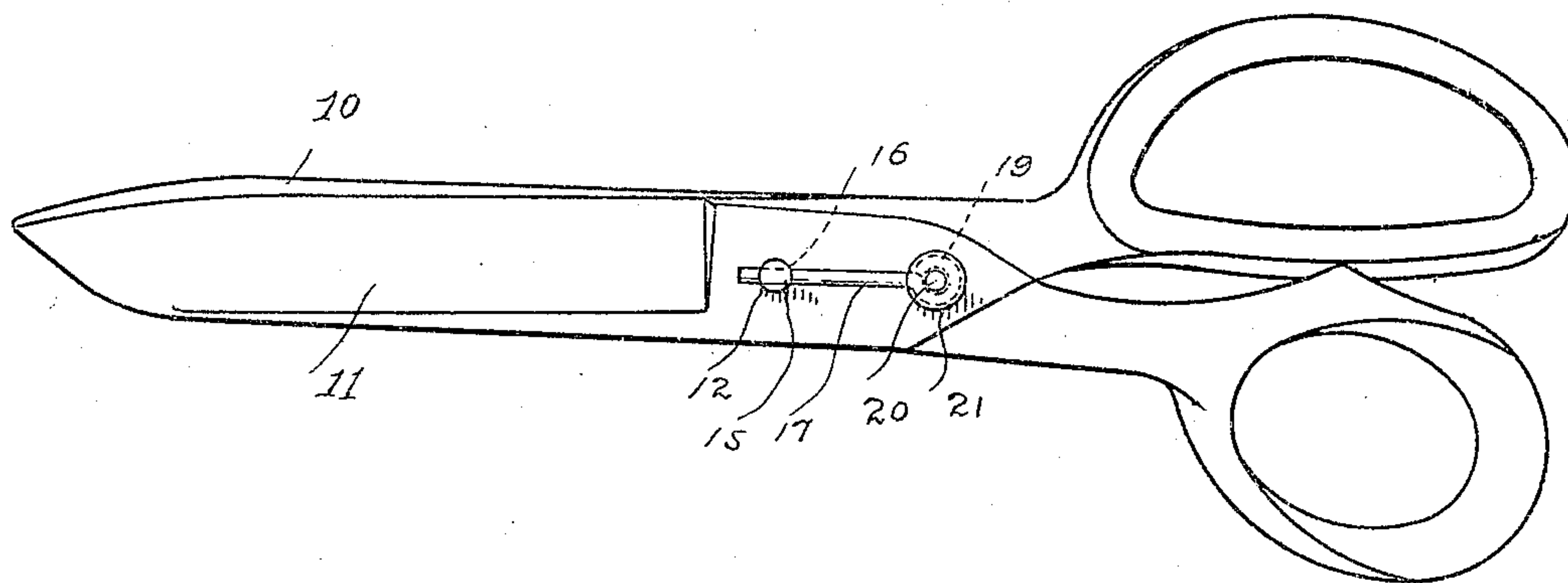
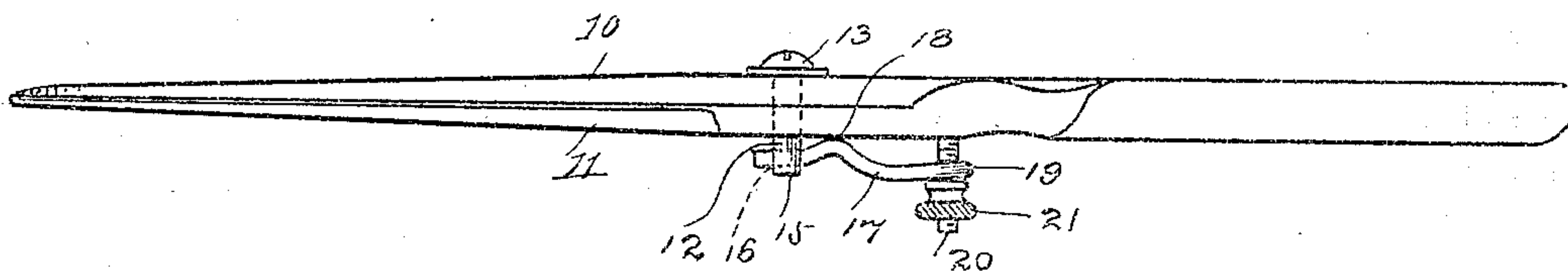


Fig. 2.



Witnesses:  
H. F. Lamb.  
S. W. Atherton.

Inventor  
John J. Conway  
By Attorney  
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# UNITED STATES PATENT OFFICE.

JOHN J. CONWAY, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE ACME SHEAR COMPANY,  
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## TENSION DEVICE FOR SHEARS.

No. 907,464.

Specification of Letters Patent.

Patented Dec. 22, 1908.

Application filed August 17, 1908. Serial No. 448,845.

*To all whom it may concern:*

Be it known that I, JOHN J. CONWAY, a citizen of the United States, residing at Bridgeport, county of Fairfield, State of Connecticut, have invented a new and useful Tension Device for Shears, of which the following is a specification.

This invention has for its object to provide a simple and inexpensive adjustable tension device for shears that will enable the operator to provide at will any required amount of tension upon the blades that may be required to adapt them for various uses and to compensate for the wear of use.

With these and other objects in view I have devised the novel tension device of which the following description in connection with the accompanying drawing is a specification, reference characters being used to indicate the several parts.

Figure 1 is a plan view of a pair of shears provided with my novel tension device; and Fig. 2 is an edge view corresponding therewith.

10 and 11 denote the blades of a pair of shears, and 12 the pivot which passes freely through both blades and is provided upon one end with a head 13. The pivot is made longer than the combined thickness of the blades and instead of being headed down in the usual manner projects outward from the outer face of the blade forming a hub which is specifically indicated by 15. This hub is provided with a transverse hole 16 which receives the end of the spring, indicated by 17. The spring is curved to form a bearing 18

which rests upon the outer face of one of the blades and is provided at its other end with an eye 19 through which a threaded rod 20 passes. The inner end of this rod is firmly set in one of the blades. A set nut 21 engaging this rod bears upon the outer face of the eye. By turning the set nut inward or outward on the rod, the operator is enabled to apply any required amount of tension to the blades, it being obvious that tightening the set nut will cause the blades to be clamped more or less tightly between the bearing portion of the spring and the head of the pivot, which as already stated passes freely through both blades.

Having thus described my invention, I claim:

The combination with the blades of shears, of a stud passing freely through both blades and having at one end a head, the other end extending beyond the outer face of one of the blades and provided with a transverse hole, a spring one end of which passes through the hole in the hub the other end being provided with an eye and said spring being provided intermediate its ends with a bearing portion engaging the blade, a threaded rod fixedly set in the blade and passing through the eye, and a set nut engaging said rod and bearing on the outer face of the eye.

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

JOHN J. CONWAY.

Witnesses:

A. M. WOOSTER,  
S. W. ATHERTON.