

No. 791,141.

PATENTED MAY 30, 1905.

O. H. ERIKSEN.  
LATHING PLIERS.

APPLICATION FILED OCT. 31, 1904.

Fig. 1.

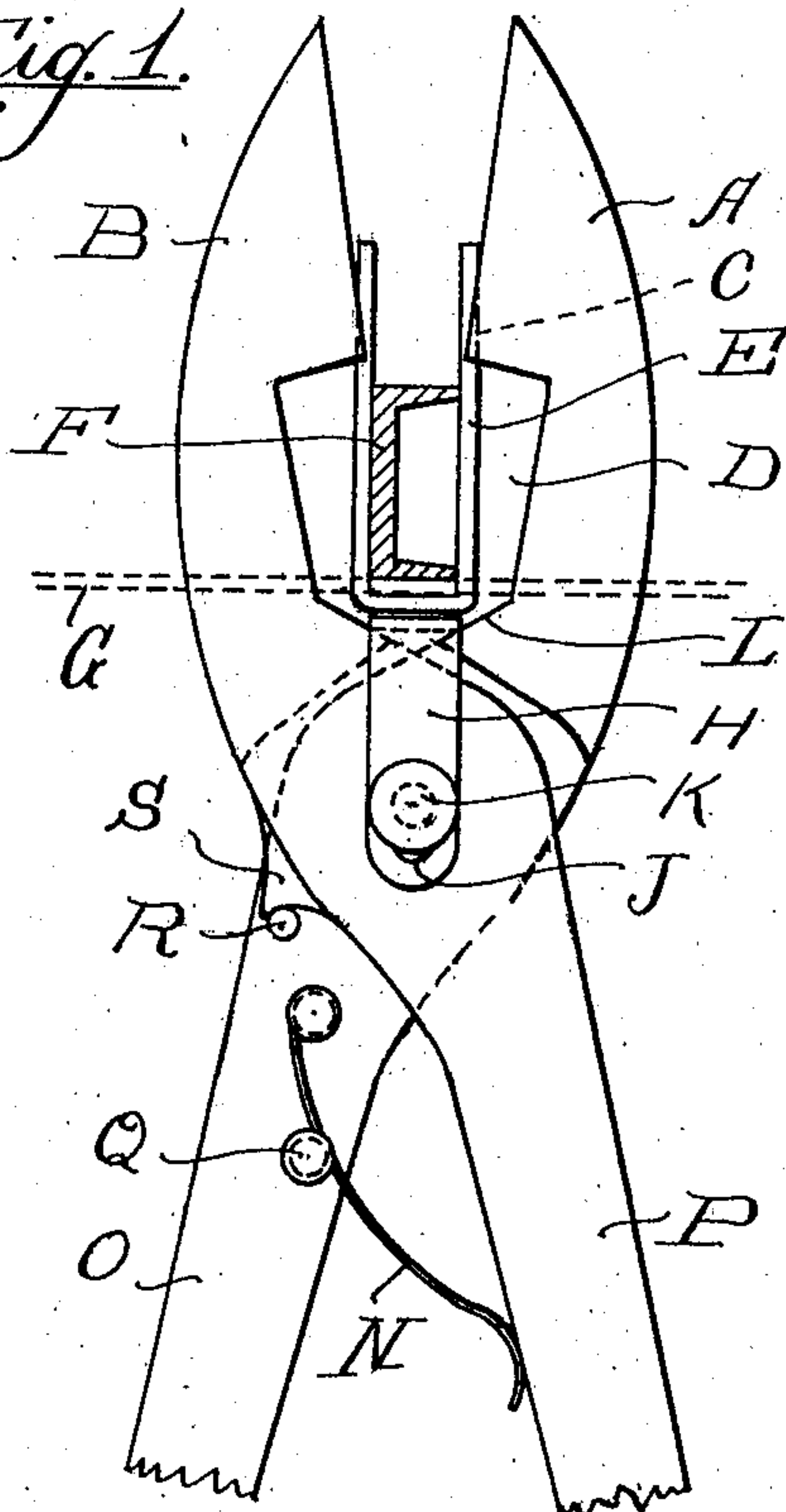


Fig. 2.

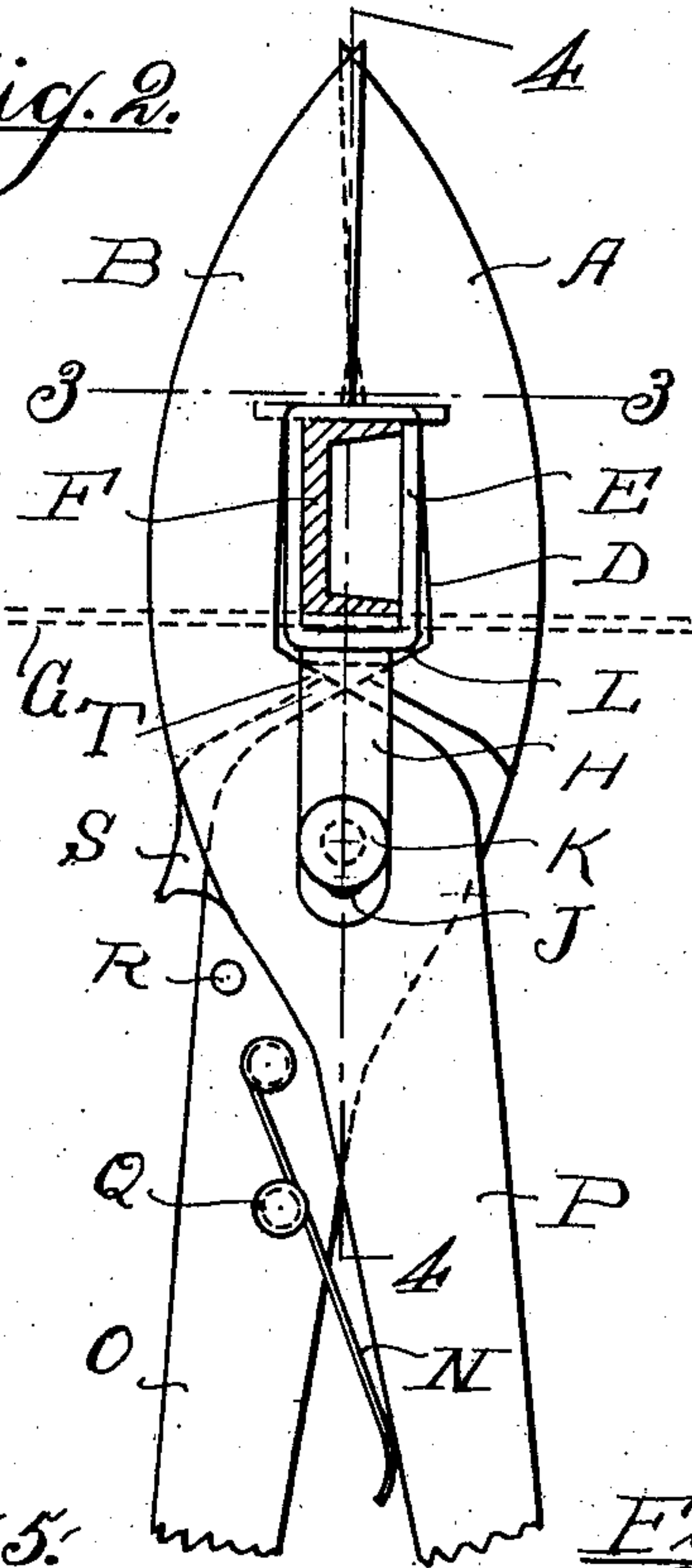


Fig. 3.

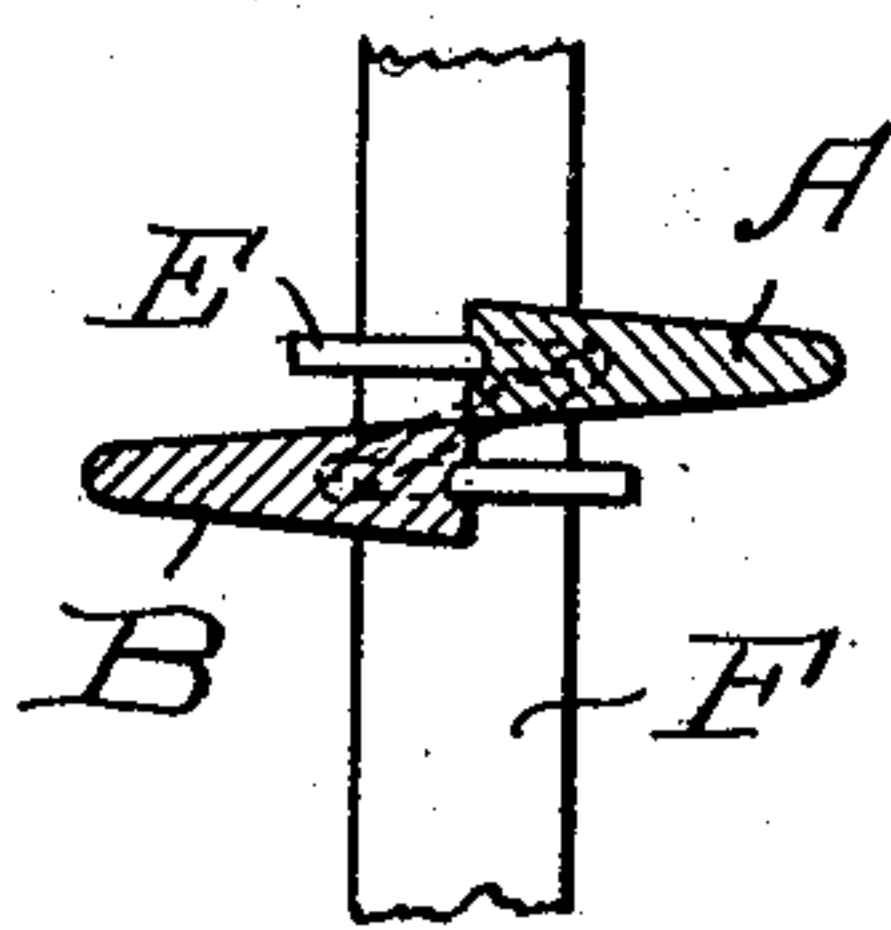


Fig. 5.

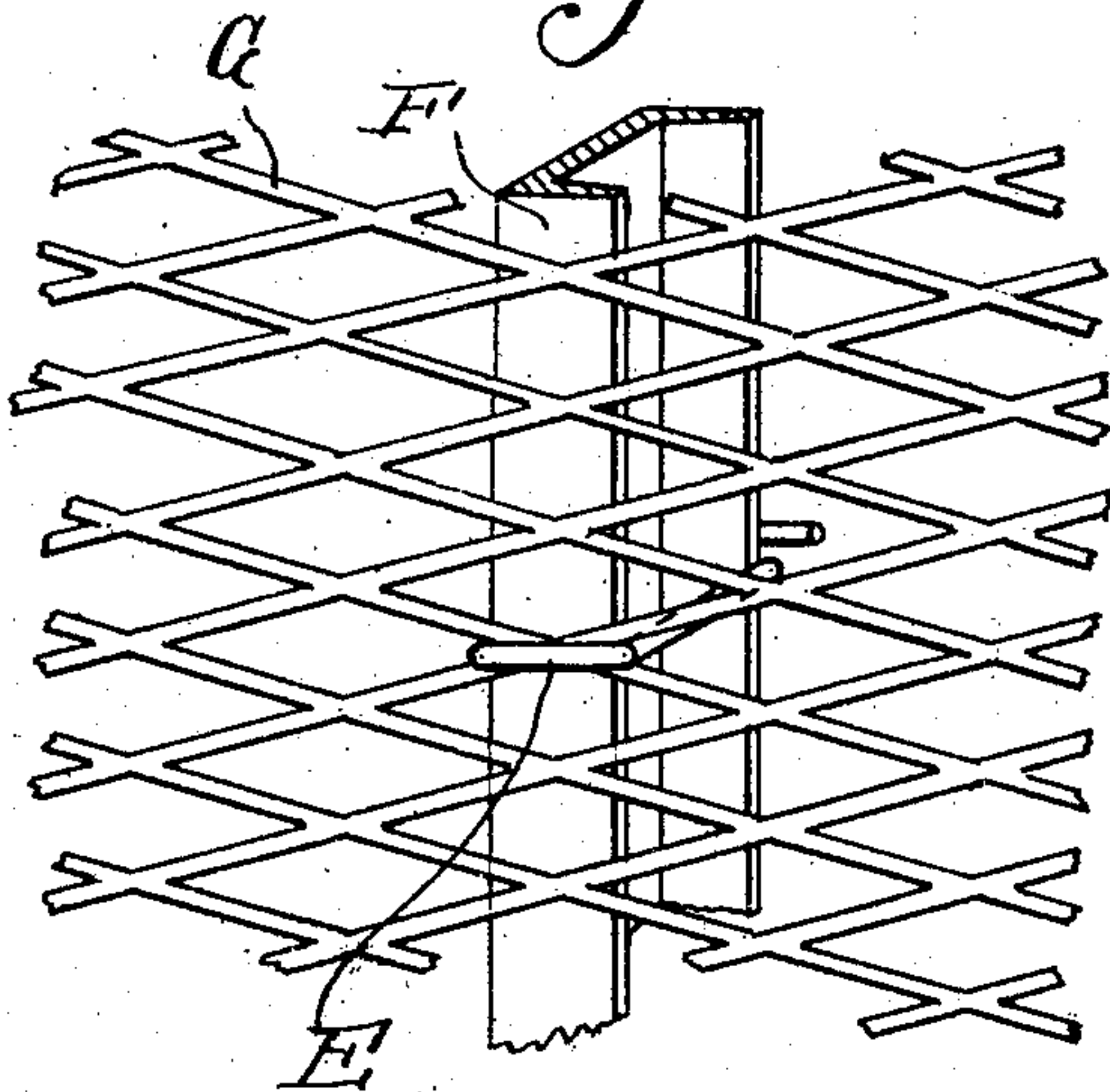
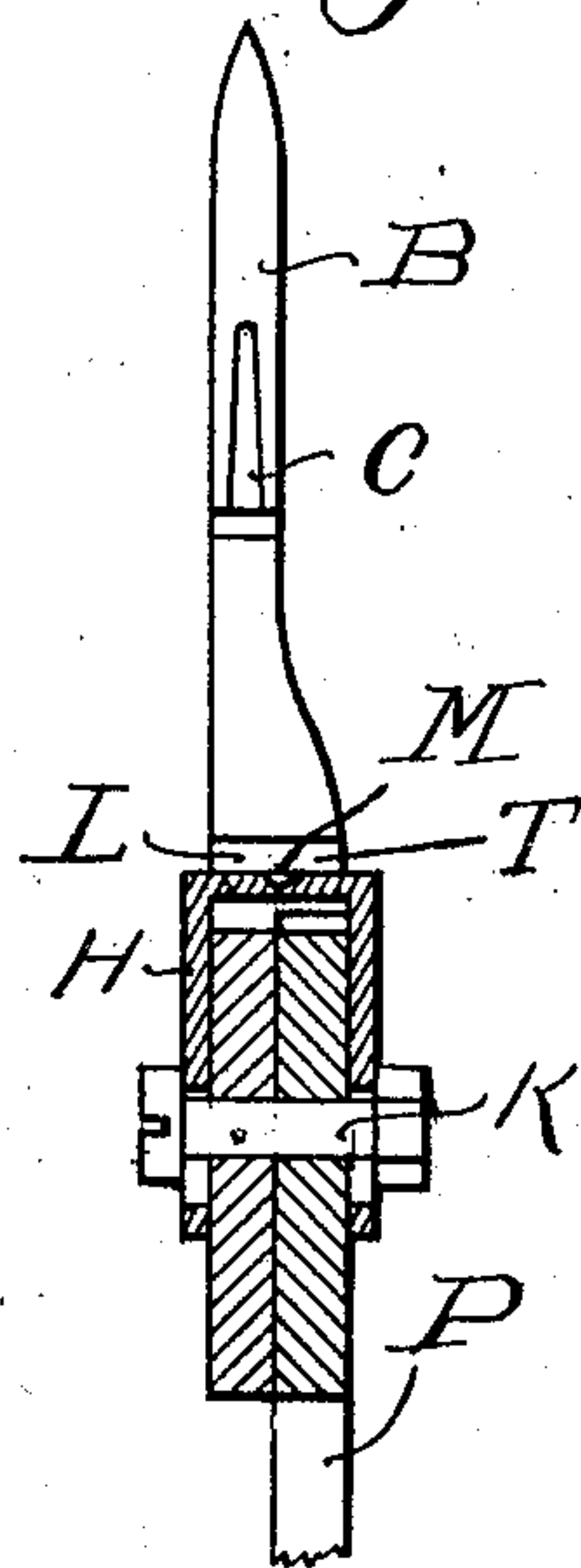


Fig. 4.



Witnesses:

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J. Schlotfeld

Inventor:

O. H. Eriksen  
By *Rudolph [Signature]*  
Attorney



# UNITED STATES PATENT OFFICE.

OSCAR H. ERIKSEN, OF CHICAGO, ILLINOIS.

## LATHING-PLIERS.

SPECIFICATION forming part of Letters Patent No. 791,141, dated May 30, 1905.

Application filed October 31, 1904. Serial No. 230,788.

*To all whom it may concern:*

Be it known that I, OSCAR H. ERIKSEN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Lathing-Pliers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to a novel construction in pliers for securing metal lath to its supports, the object being to provide a simple and efficient device of this character; and it consists in the features of construction and combinations of parts hereinafter fully described and claimed.

In the accompanying drawings, illustrating my invention, Figure 1 is a side elevation of pliers constructed in accordance with my invention, showing same open with a staple in place ready to be bent over a support. Fig. 2 is a similar view showing the pliers closed and the staple bent over. Fig. 3 is a section on the line 3 3 of Fig. 2. Fig. 4 is a section on the line 4 4 of Fig. 2. Fig. 5 is a perspective view showing a fragment of metal lath secured to a support by means of a staple.

The support for metal lath, which generally consists either of wire-cloth or expanded metal, generally consists of a small channel-iron which is mounted free of the wall, so as to enable the lath to be secured thereto by means of a short piece of wire. The latter must be applied by hand and is generally inserted by means of the fingers and the free ends bent over. This method is very slow and tedious, and hence very expensive. To overcome this objection and provide means for rapidly and efficiently securing metal lath to its supports, I have provided pliers consisting of two jaws A and B, which are preferably secured together and are provided in their nose portions with longitudinally-disposed grooves C, the said nose portions being so disposed as to overlap each other when the pliers are closed in the manner of a pair of shears. Inwardly of said nose portions the inner edges of said jaws are provided with recesses D, in which the loop end of a staple E is adapted to be re-

ceived, the free ends of said staple being held in said grooves C in the nose portions of said pliers. The supporting member F of the wire G is also adapted to be received in said recess and within said staple E, the free end portions of the latter being adapted to be inserted through openings in said metal lath and over said supporting member F. The said staple E is supported at its lower end upon an inverted-U-shaped member H, the free ends of the arms of which are provided with longitudinal slots J, through which the pivot-pin K of the pliers is adapted to pass, said member H being longitudinally movable relatively to said pivot K and to the jaws of the pliers and being actuated by the inclined inner walls L of the recesses D when said jaws are contracted to bend the free end portions of said staple E over said supporting member F and serving to draw the nose portions of said pliers downwardly during the closing movement of the pliers to compress said free end portions of said staple against the inner wall of said supporting member F, thereby producing a sharp bend in each of the arms of said staples E and serving to give the latter a firmer hold upon said supporting member, thereby firmly securing the metal lath to said support. The said supporting member H is provided with a groove M to receive the loop end of the staple and aid in holding same firmly in proper relative position.

In order to hold said pliers normally open in position to receive a staple E and be inserted through the openings in the metal lath and over the said supporting member F, I provide a flat spring N, secured at one end to the handle portion O of one of said jaws and bearing at its other end against the handle portion of the other of said jaws and between its ends against a stop Q on said handle O. On the latter is also mounted a stop R, against which a projection S on the handle P abuts to limit the opening movement of said pliers.

In order to prevent the member H from being twisted during the closing movement of the pliers when the greatest strain is applied, I preferably enlarge the inner end portions of the jaws, as at T, to provide projections overhanging the inner end portions of



the other, and thus provide inclined surfaces of equal width with the loop portion of said member H and engaging the edges of the latter, thus equalizing the strain on both sides 5 of the latter.

My said device is exceedingly simple and efficient and enables the metal lath to be very readily and firmly secured with great rapidity, thus saving a great deal of labor and doing 10 the work more thoroughly and neatly than it can readily be done by hand.

I desire to be understood that I do not wish to limit myself to the exact shape of the jaws illustrated, inasmuch as the latter may be 15 changed and varied to suit different shapes of supports and various kinds of metal lath.

I claim as my invention—

A pliers comprising two relatively pivoted jaws the nose portions of which overlap when 20 said pliers are closed, said jaws being provided with recesses inwardly of the nose por-

tions thereof and said recesses having inclined inner walls adapted together to form a V, an inverted-U-shaped member having its loop portion resting in said V and movable longitudinally relatively to said jaws, the arms of 25 said U-shaped member being slotted, a bolt passing through the slots in said arms, and serving as the pivot for said jaws, said loop portion of said U-shaped member and the 30 nose portions of said jaws being provided with recesses adapted to receive and hold a staple in place in said pliers, said U-shaped member being actuated in a direction to partially eject said staple when said pliers are 35 closed.

In testimony whereof I have signed my name in presence of two subscribing witnesses.

OSCAR H. ERIKSEN.

Witnesses:

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