

(No Model.)

J. H. WEIR.  
PLUMB SUPPORT.

No. 572,390.

Patented Dec. 1, 1896.

Fig. 1.

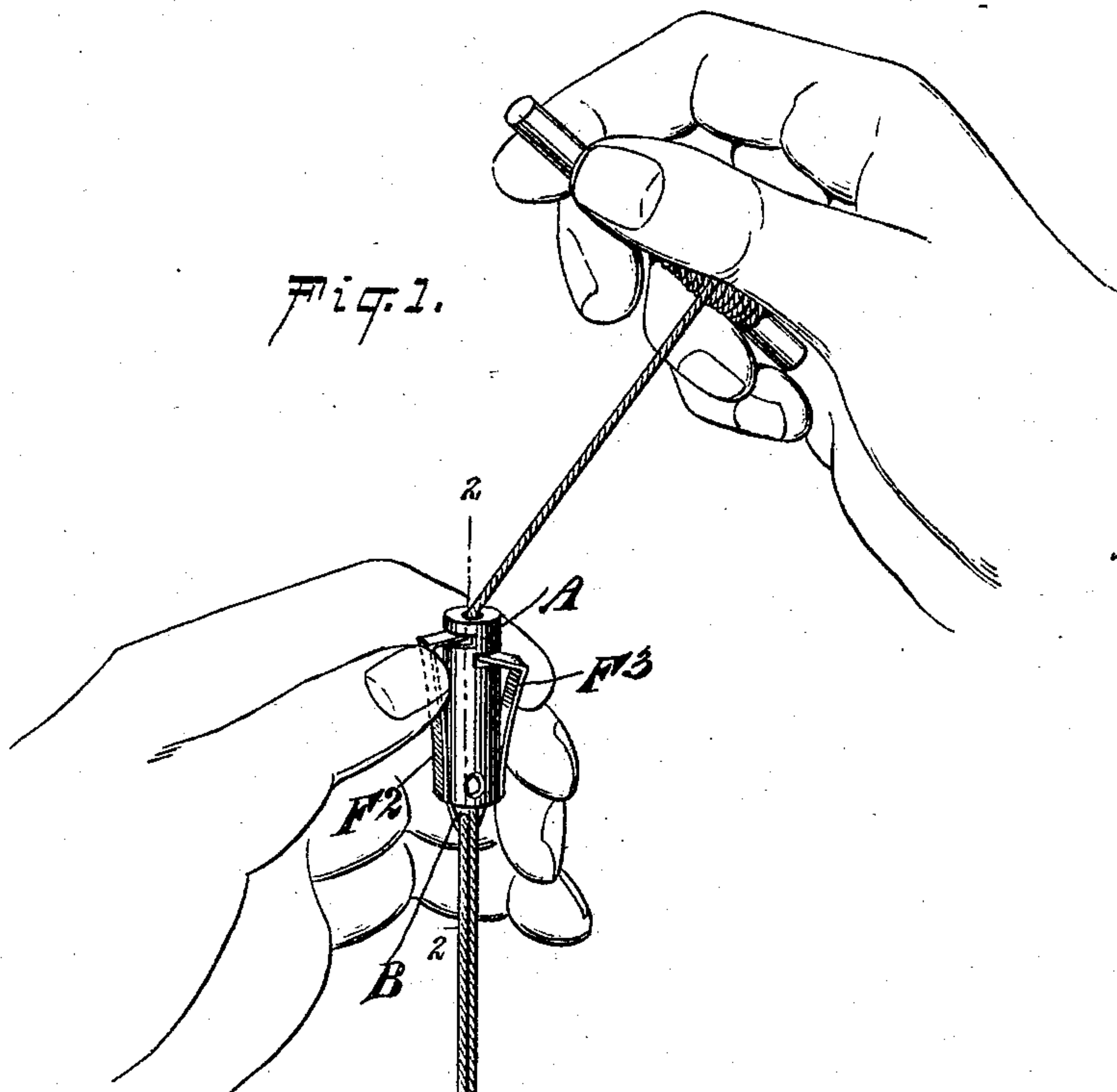


Fig. 2.

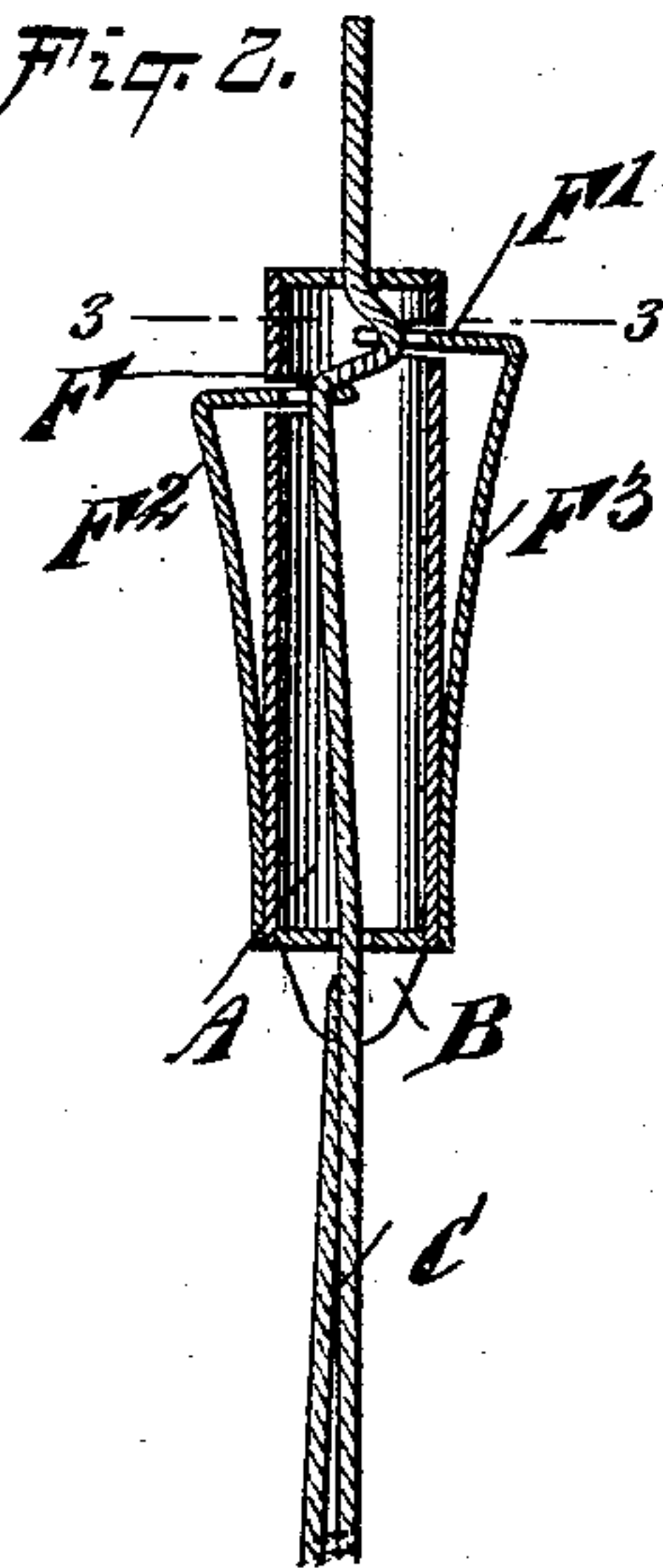
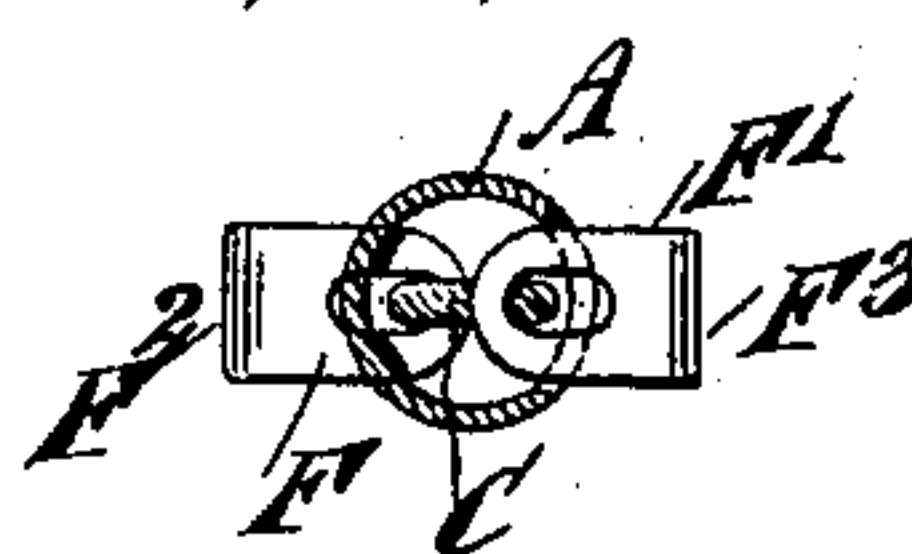


Fig. 3.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JOHN HENRY WEIR, OF NEW YORK, N. Y.

## PLUMB-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 572,390, dated December 1, 1896.

Application filed January 18, 1896. Serial No. 575,957. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN HENRY WEIR, of New York city, in the county and State of New York, have invented a new and Improved Plumb, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved plumb designed for the use of masons, carpenters, and other mechanics and arranged to permit the operator to conveniently and quickly lower the bob to the desired position and to prevent an undesirable swinging motion of the bob.

The invention consists principally of a casing adapted to be held by the operator and provided with a clamping device for the cord, which latter is fastened at one end to the said casing and passes loosely through an eye in the bob to then pass with the return run through the casing to be engaged by the clamping device.

The invention also consists of certain parts and details and combinations of the same, as will be fully described hereinafter and then pointed out in the claim.

The arms  $F F'$  extend loosely through openings in the sides of the casing, and their inner ends are located one above the other and normally in such a position that the run of the cord  $C$  passes in a zigzag line through the casing, whereby this run is securely held in place as long as the arms  $F F'$  are in their normal position.

Now when it is desired to lower the plumb  $E$  the operator, having hold of the casing  $A$ , presses the arms  $F^2 F^3$  inward to bring the apertures in the clamping-arms  $F F'$  one above the other, so that the return run of the cord  $C$  extends in a straight line through the casing, and consequently runs downward

owing to the weight of the bob  $E$ , hung on said cord. Now it will be seen that by the arrangement described the bob  $E$  is hung loosely on the doubled-up cord, one end of which is fastened to the casing, and the other end is adapted to be fastened by the clamping-arms  $F F'$  in place, so as to support the bob  $E$  in the desired position.

It will be seen that by hanging the bob  $E$  on a doubled-up cord the bob is not liable to swing sidewise when raised or lowered, so that a correct position is readily obtained at any time without requiring the operator to wait until the bob comes to a resting position. It is understood that as soon as the operator releases the pressure on the arms  $F^2 F^3$  the run of the cord is locked, and consequently the bob is held in place, and by the operator repeatedly pressing and releasing the arms  $F^2 F^3$  he can readily and gradually lower the bob  $E$  until the desired position is reached.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

A plumb consisting of a casing having two openings therein, two outwardly-springing arms secured to the outer side of the casing and having bent perforated portions respectively movable through the openings, the casing also having a lug, a cord having one end fixedly connected to said lug, and a bob having sliding connection with the cord, the cord being passed from the bob upwardly past the lug of the casing and longitudinally through the casing and through the openings in the spring-arms, substantially as described.

JOHN HENRY WEIR.

Witnesses:

THEO. G. HOSTER,  
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