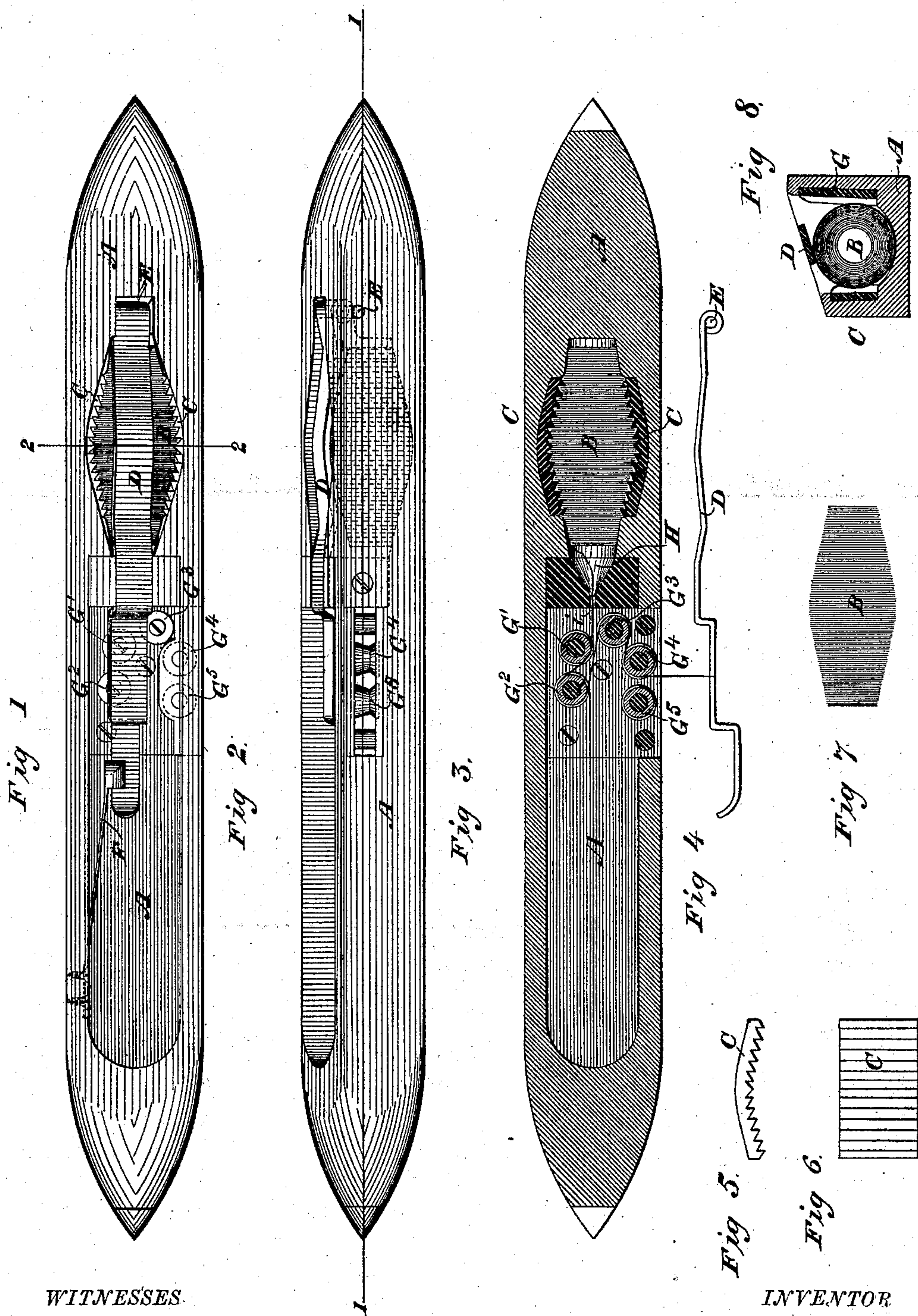


G. F. WRIGHT.
Art of Weaving Wire Cloth.

No. 239,012.

Patented March 15, 1881.



WITNESSES

Wm A Skinkle
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By his Attorneys.

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UNITED STATES PATENT OFFICE.

GEORGE F. WRIGHT, OF CLINTON, MASSACHUSETTS.

ART OF WEAVING WIRE-CLOTH.

SPECIFICATION forming part of Letters Patent No. 239,012, dated March 15, 1881.

Application filed April 28, 1877.

To all whom it may concern:

Be it known that I, GEORGE F. WRIGHT, of Clinton, in the county of Worcester and State of Massachusetts, have invented a new and useful Improvement in the Art of Weaving Wire-Cloth, of which the following is a description.

In weaving wire-cloth by means of a shuttle carrying a cop of wire, the coils of which lie substantially at right angles to the axial line of the shuttle, each turn or coil of the wire necessarily acquires or takes into itself, in being paid out from the cop, a turn of twist, by reason of which the wire constantly tends to resume the spiral form in which it exists on the cop, instead of remaining in the straight line in which it should properly pass from the shuttle and lie in the shed.

My invention consists in effectually and substantially swaging this twist into the body of the wire by straining it around rollers, and thus insuring its delivery to the loom in a perfect condition.

The accompanying drawings show a shuttle adapted to carry out my invention in the best way now known to me; but as this shuttle forms the subject-matter of an application for Letters Patent of the United States filed by me May 13, 1874, of which application this is a division, it is not claimed herein.

Figure 1 is a plan or top view of the shuttle;

Fig. 2, a side elevation thereof; Fig. 3, a horizontal longitudinal section therethrough on the line 1 1 of Fig. 2. Fig. 4 is an edge view of the cover of the cop-case. Fig. 5 is a face view, and Fig. 6 an edge view, of one of the jaws of the case. Fig. 7 is a side view of the cop, and Fig. 8 is a vertical transverse section through the shuttle on the line 2 2 of Fig. 1.

A represents the body of the shuttle; B, the cop; C, the jaws of the cop-case, and D its cover, hinged on a pivot, E, and held down by a spring-latch, F. H is a funnel, through which the wire passes from the cop to the swaging-rolls $G^1 G^2 G^3$, around which it passes to the usual delivery-rolls, $G^4 G^5$, the turns or kinks in the wire being swaged into its body by its passage around the rolls under the strain of weaving.

I claim as my invention—

The hereinbefore-described improvement in the art of weaving wire-cloth, which consists in swaging the coils of filling-wire into the body of the wire during the process of weaving, substantially in the manner specified.

In testimony whereof I have hereunto subscribed my name.

GEO. F. WRIGHT.

Witnesses:

WM. B. ORCUTT,
W. R. NUTTING.