

GEORGE P. OVERIN.

Manufacture of Whips.

No. 126,411.

Patented May 7, 1872.

Fig. 1.

Fig. 2.

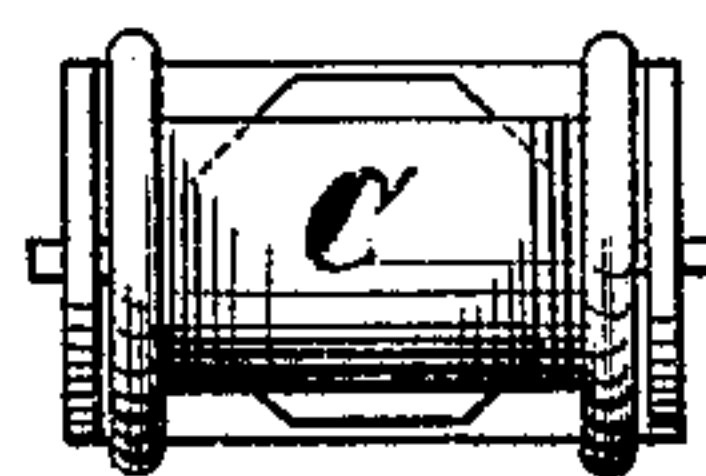
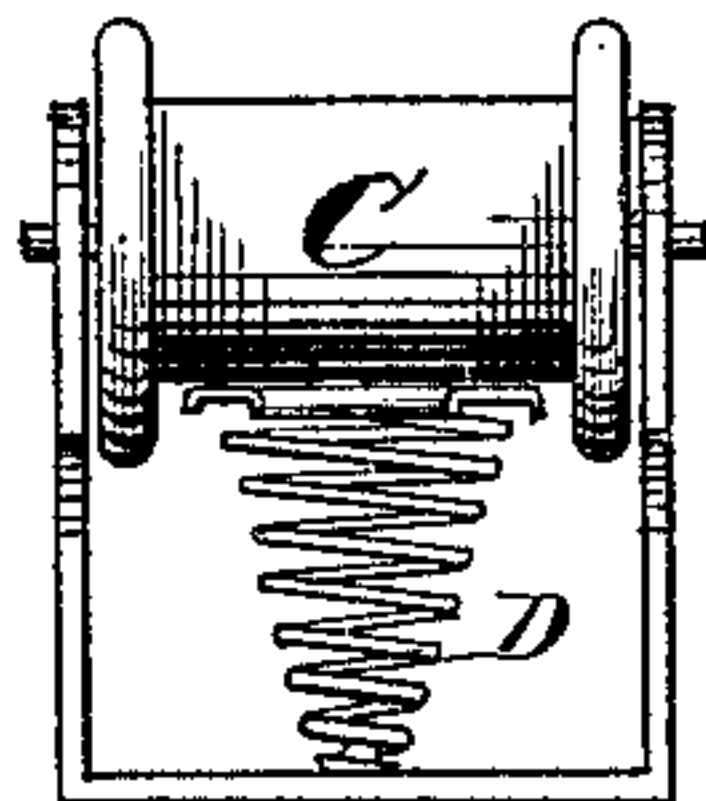
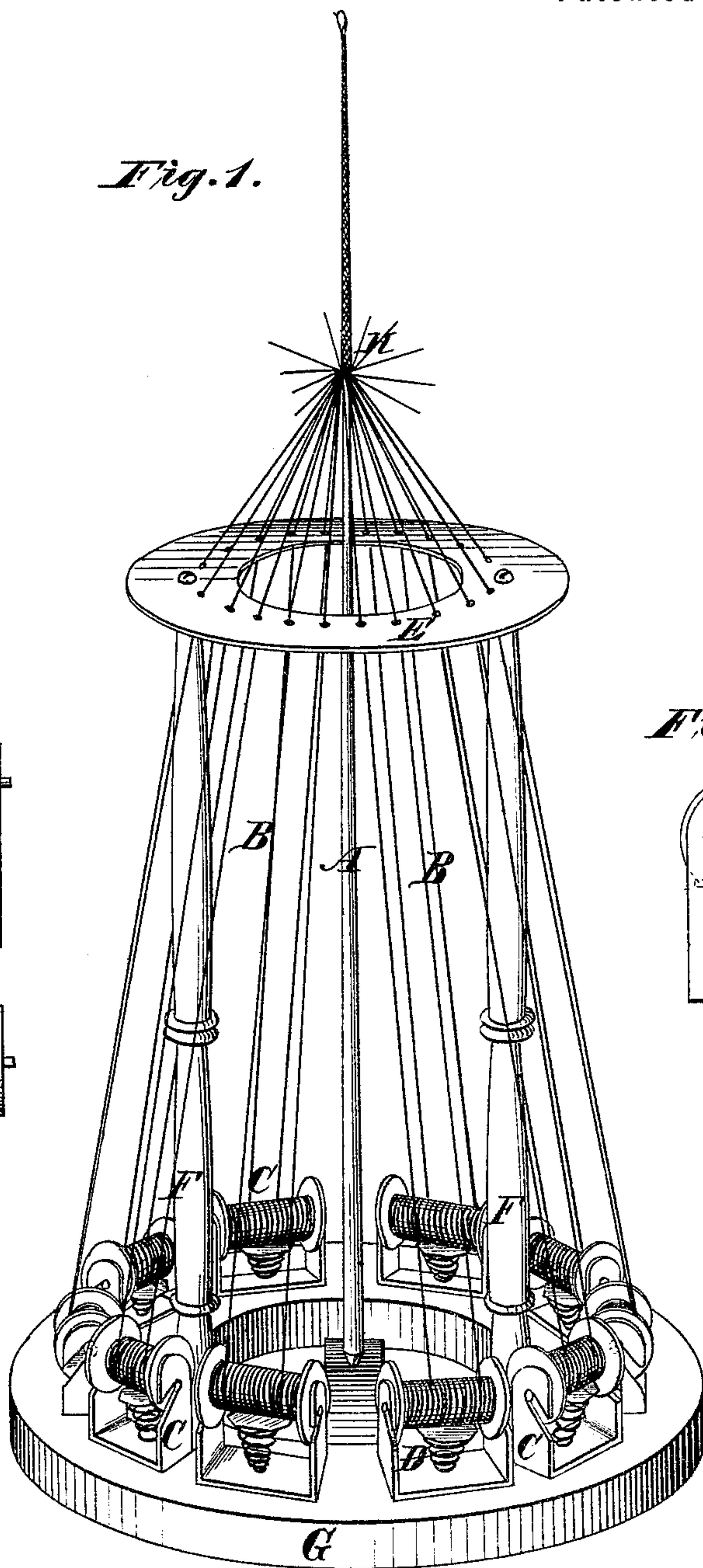
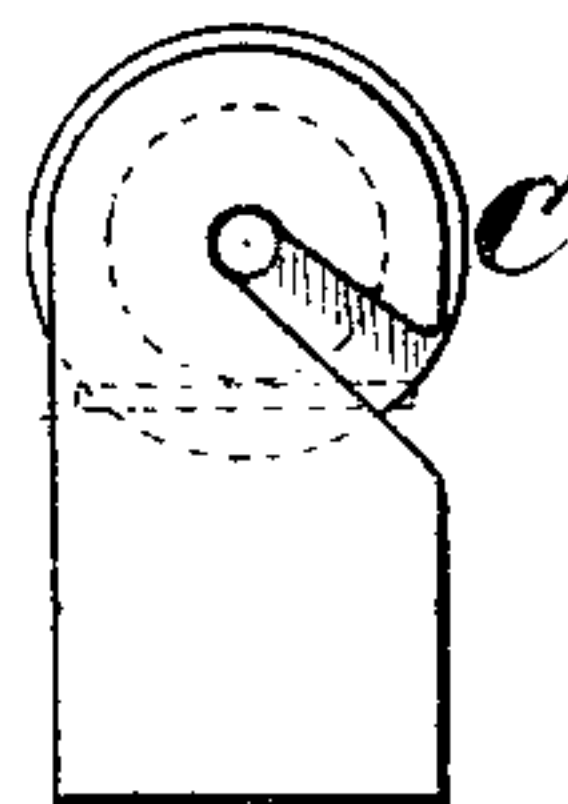


Fig. 4.

Fig. 3.



Witnesses.

Arthur Nell.
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UNITED STATES PATENT OFFICE.

GEORGE P. OVERIN, OF NEW YORK, N. Y.

IMPROVEMENT IN THE MANUFACTURE OF WHIPS.

Specification forming part of Letters Patent No. 126,411, dated May 7, 1872.

Specification describing certain Improvements in the Manufacture of Whips, invented by GEORGE P. OVERIN, of the city, county, and State of New York.

The object of my invention is to prevent the snapping and breaking of a whip, when subject to a heavy strain, by lining the body of the whip with inelastic material.

As a manufacturer I have found from experience that lining whips with cloth, India rubber, leather, paper, and like material, (which was generally done by hand,) while it gave bulk and form to the whip, did not strengthen the whip because of its elastic property, but yielded with it when under strain, and permitted the whip to snap, break, and become worse than useless.

This defect in the manufacture of whips I have remedied by my invention, the nature of which consists in lining or covering the body of the whip with a series of inelastic cords, which are drawn taut from reels, and, lying close on the body of the whip, are woven over in the ordinary manner, thereby rendering the whip strong against undue strain, yet sufficiently elastic to perform its duty, and durable, as I will further explain by reference to the accompanying drawing, in which—

Figure 1 is a perspective elevation of my invention, showing the body of the whip being covered by the inelastic cords. Figs. 2, 3, and 4 are views of one of the reels with its tension-spring, from which the inelastic-cord covering is drawn off from the whip-body in its ascent.

In the said drawing, A is the body of the whip, made of whalebone or other suitable material. B B are the inelastic cords, which are drawn off the reels C C, said reels being provided with tension-springs D to enable the cords to be drawn taut by the whip-body in its ascent. E is a guide-plate, through which the inelastic cords pass, said guide-plate being supported on posts F F, which extend upward from a circular base-plate, G; and H represents the shell or outer woven surface of the whip.

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

1. A whip constructed with the straight inelastic cords B B between the body and braided covering, substantially as and for the purpose herein specified.

2. In braiding-machines for covering whips constructed as above, the reels or spools C C with tension-springs D D, and the perforated guide-plate E, in combination, for holding the straight cords in place while braiding over them, arranged substantially as herein specified.

In testimony whereof I have hereunto set my signature this 20th day of March, 1872.

GEORGE P. OVERIN.

Witnesses:

ARTHUR NEILL,
JULLIN E. DASHER.