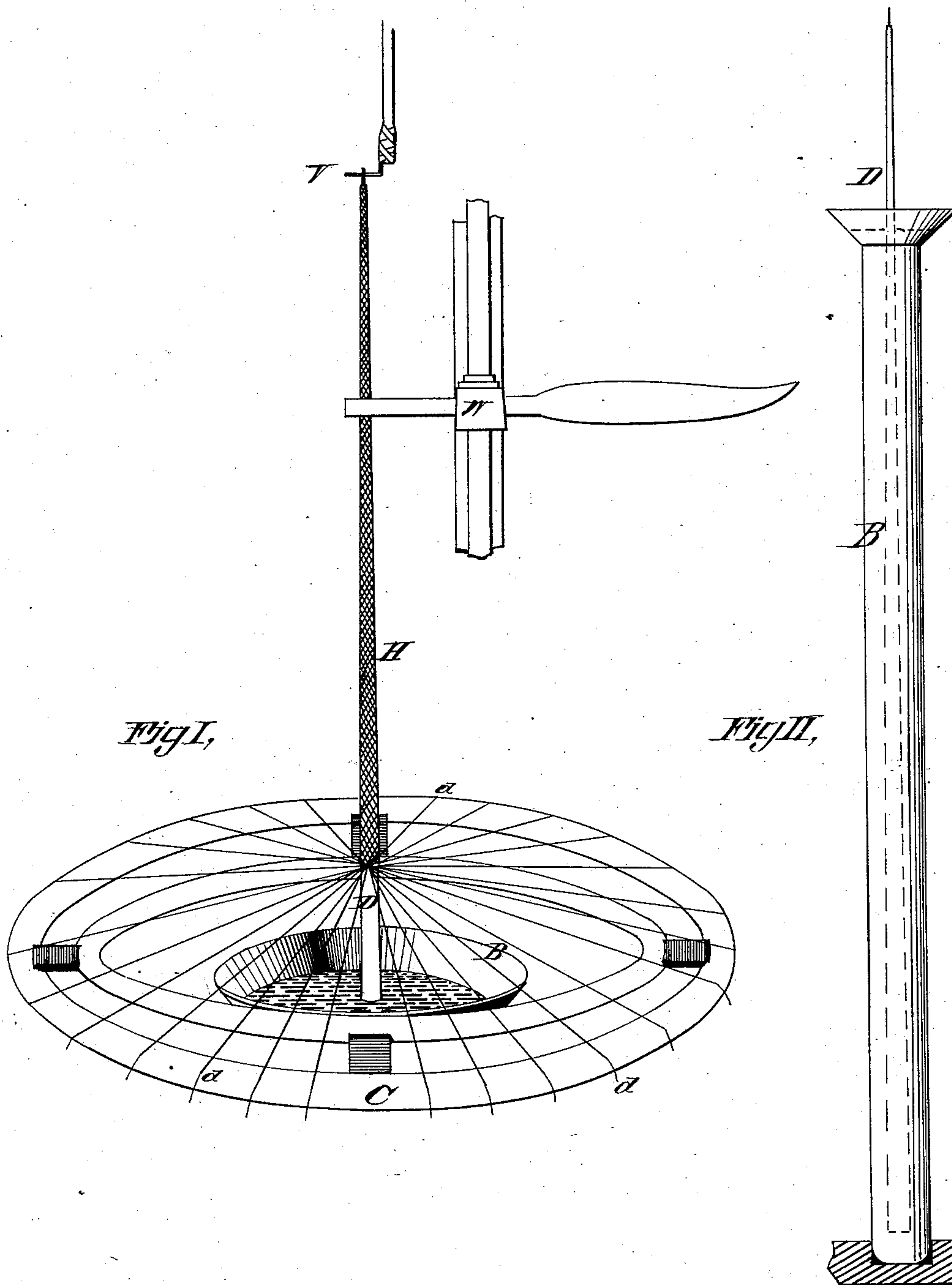


(No Model.)

J. C. SCHMIDT.
MANUFACTURE OF WHIPS.

No. 281,305.

Patented July 17, 1883.



Witnesses,
Wm. A. Chapin
V. E. Hyde

Inventor,
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Att'y;

UNITED STATES PATENT OFFICE.

JOHN C. SCHMIDT, OF WESTFIELD, MASSACHUSETTS.

MANUFACTURE OF WHIPS.

SPECIFICATION forming part of Letters Patent No. 281,305, dated July 17, 1883.

Application filed December 22, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. SCHMIDT, a citizen of the United States, residing at Westfield, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in the Manufacture of Whips, of which the following is a specification.

This invention relates to an improved process for the construction of whips; and it consists in applying the plaiting to the stock as it emerges from a reservoir of paint, varnish, enamel, or similar liquid, into which the stock is submerged, and from which it passes at a short interval to the plaiting-threads, the reservoir for that purpose being arranged within the plaiting-machine. This process is illustrated in the accompanying drawings, in which—

Figure I shows the top of the reservoir within and below the top ring of a plaiting-machine, with the incomplete whip in position therein; and Fig. II is an elevation of the reservoir, with the position of the whip-stock indicated in dotted lines.

B is the reservoir, formed of metal or other convenient substance, and of length sufficient to receive the entire stock to be plaited. The reservoir is arranged, as shown in Fig. I, to have its mouth near the point upon the stock D to which the threads *d* converge from the ring C. The reservoir is properly supported to be retained steady, and I prefer to form it with a funnel-mouth to facilitate its being filled.

H is the portion of the whip plaited.

V is the hook upon one end of a cord, having a weight upon the other and intermediate

pulley, (not shown,) and W is the clamp in common use, with the hook V and its attachments.

By carrying the stock directly from the reservoir to the plaiting-threads the coating adhering to the stock is in its most liquid state and of uniform consistency, so that a portion of the coating is forced through all of the interstices of the plaiting, and the plaiting conforms to the configuration first given the stock. An enameling or other liquid may be plaited over, which from drying too quickly in small mass could not be used in any other way now common. The interstices, being filled from the inner side of the plaiting, are perfectly filled, all air being forced out.

A material may be used of such consistency as a coating to the stock as to present a solid mass where squeezed out by the plaiting, to be afterward finished to give a uniform smooth surface to the whip when finished; and by this process the coating and plaiting of the stock is done at one time.

Now, having described my invention, what I claim is—

The improved process in the manufacture of whips within described, and consisting in submerging the stock to a point near the plaiting in a reservoir of adhesive material arranged within a whip-plaiting machine, and raising the stock from said reservoir to plait thereupon as it emerges, substantially as set forth.

JOHN C. SCHMIDT.

Witnesses:

R. F. HYDE,
WM. H. CHAPIN.