

No. 698,060.

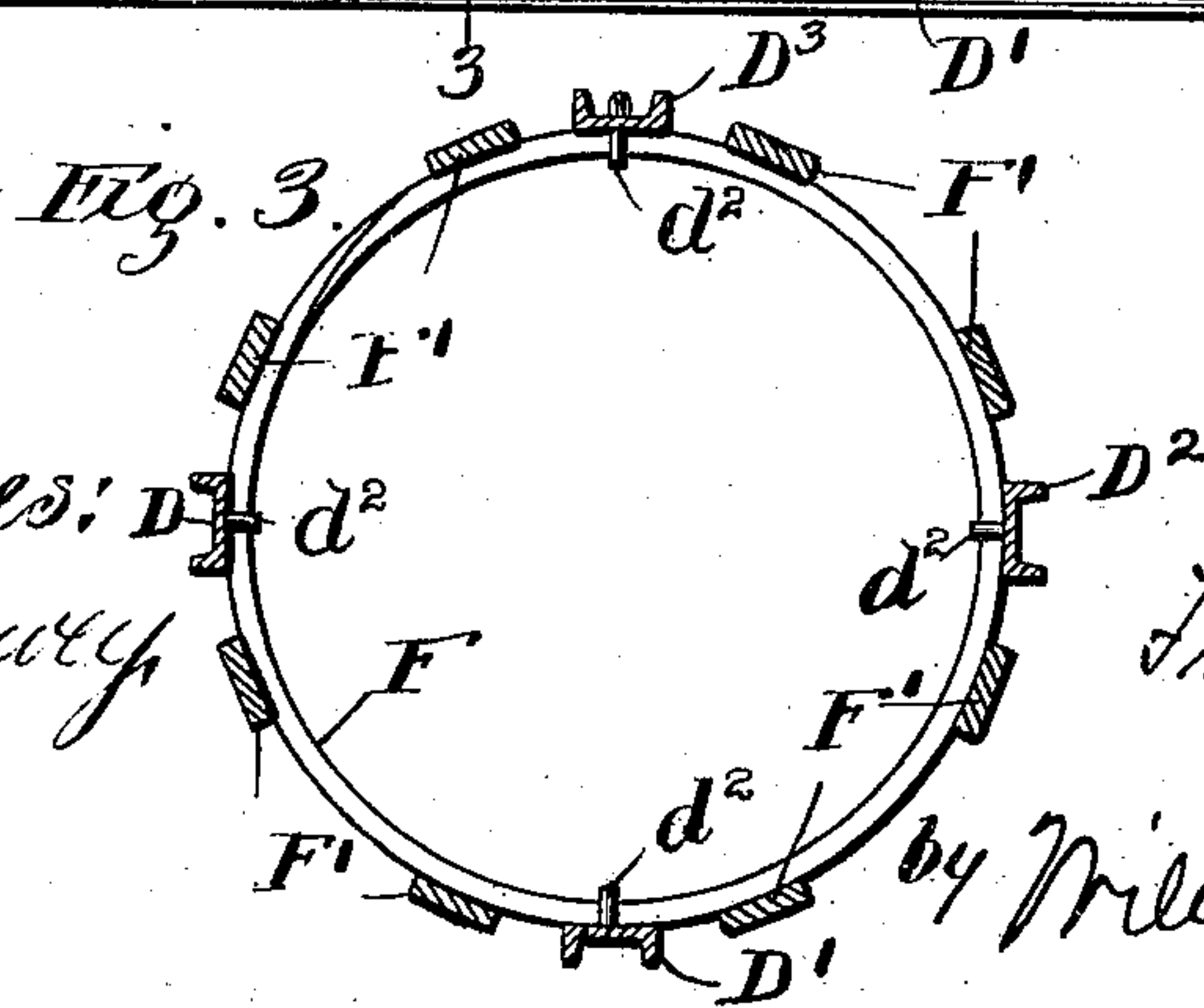
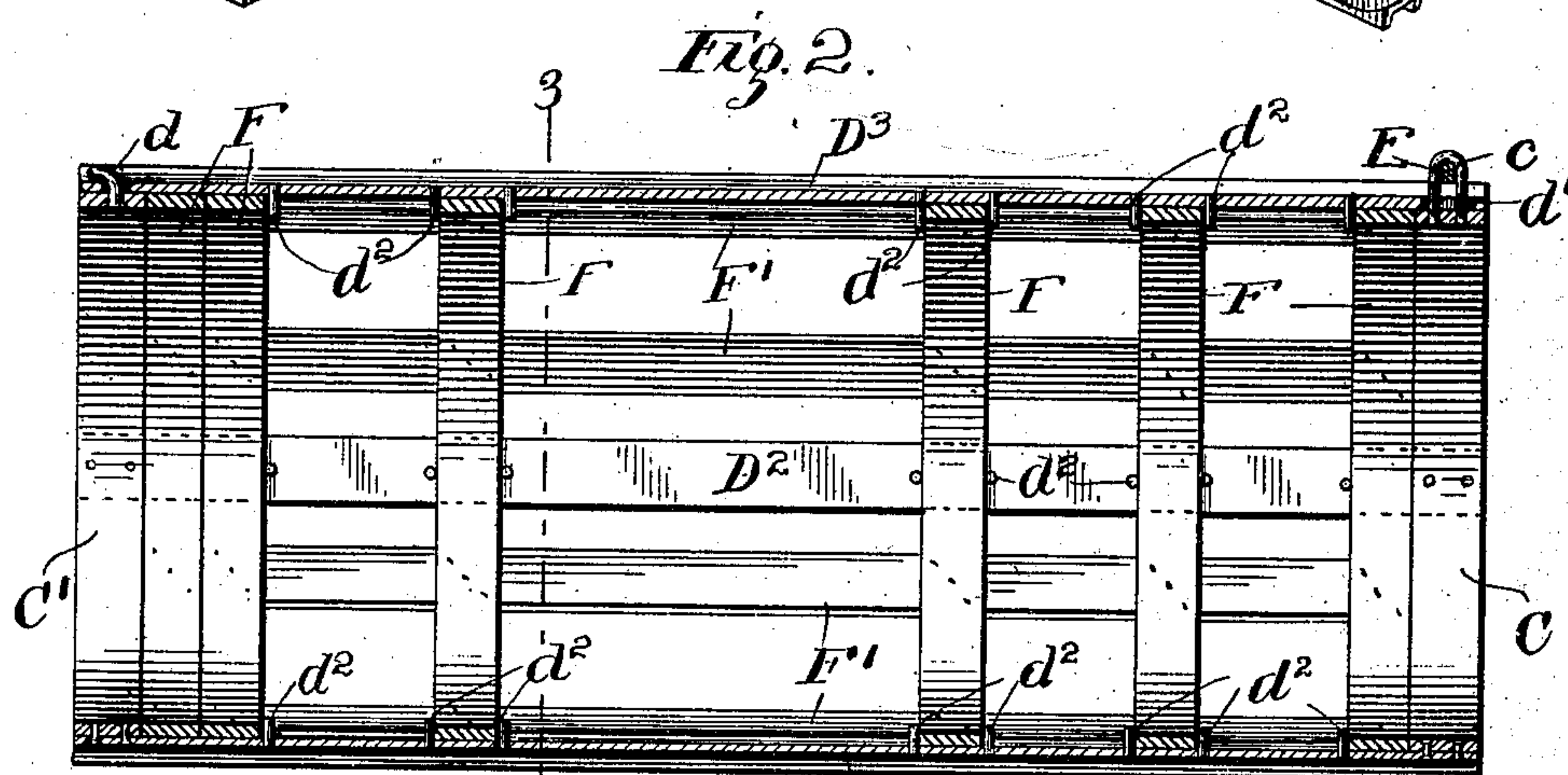
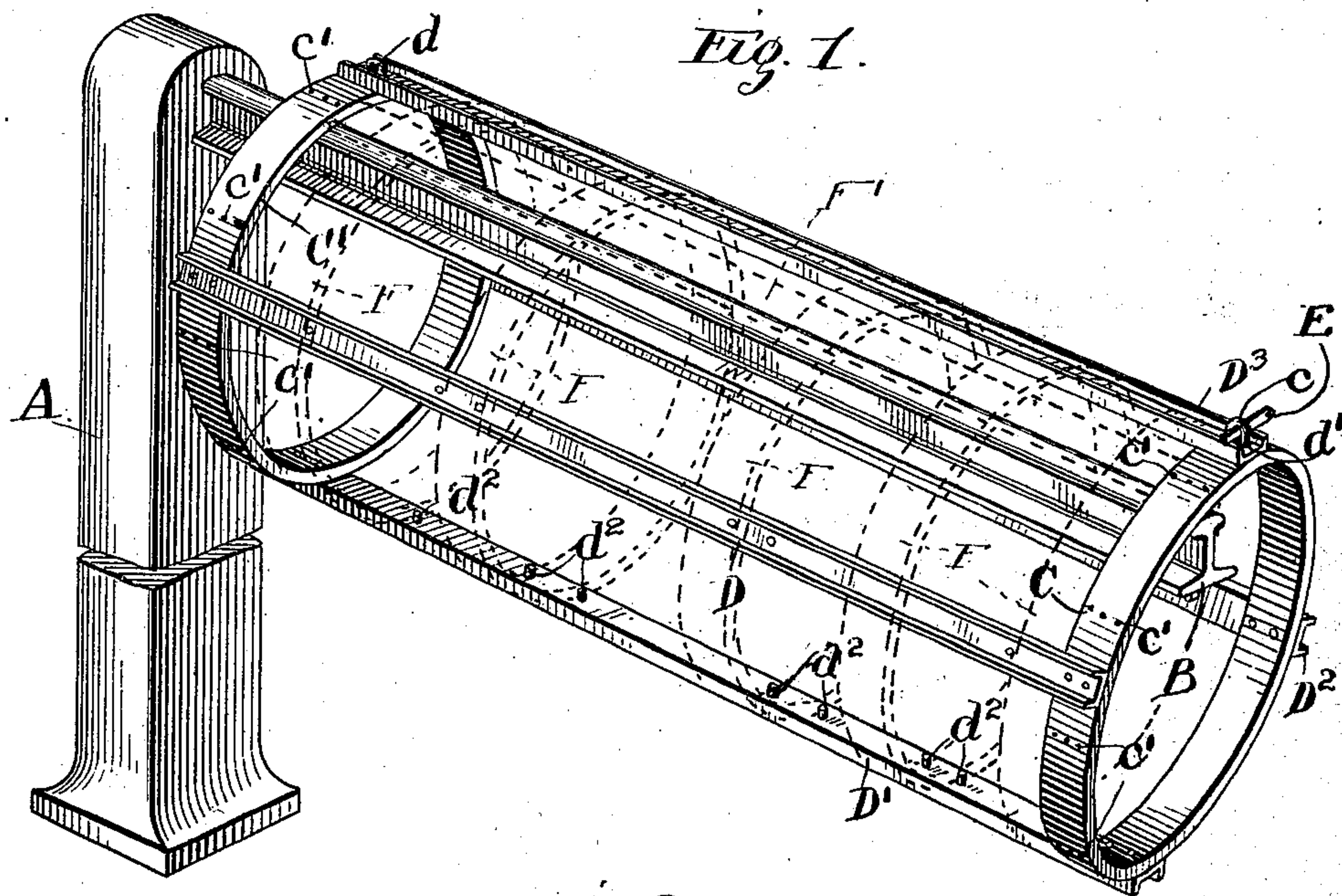
Patented Apr. 22, 1902.

F. SCHMITZ.

SUPPORTING FRAME FOR THE CONSTRUCTION OF OPEN CYLINDRICAL CRATES.

(Application filed Sept. 6, 1900.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

FRANK SCHMITZ, OF CHICAGO, ILLINOIS.

SUPPORTING-FRAME FOR THE CONSTRUCTION OF OPEN CYLINDRICAL CRATES.

SPECIFICATION forming part of Letters Patent No. 698,060, dated April 22, 1902.

Application filed September 6, 1900. Serial No. 29,167. (No model.)

To all whom it may concern:

Be it known that I, FRANK SCHMITZ, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Supporting-Frames for the Construction of Open Cylindrical Crates, of which the following is a specification.

My invention relates to a supporting-frame for the construction of open cylindrical crates, consisting of a series of substantially parallel circular hoops connected by substantially parallel longitudinal slats secured thereto outside of the same.

The object of the invention is to provide means whereby the circular hoops and the longitudinal slats may be supported in proper relative positions while they are being secured together; and to such end the invention consists in certain novel appliances which will be fully described in connection with their preferred manner of use and the essential features of which will be pointed out below.

In the drawings, Figure 1 is a perspective of the complete apparatus; Fig. 2, a longitudinal diametrical section of the supporting-frame, and Fig. 3 a cross-section in line 3 3 of Fig. 2.

Referring to the drawings, A is a supporting-standard intended to be secured rigidly to the floor or other substantial means of support and has extending horizontally from it a piece of ordinary T-rail B to serve as a support for the frame and as a device for clenching the nails used in putting the crate together. The frame itself is made up of end hoops or rings C C', connected by longitudinal parallel bars D D' D² D³, all of which are preferably made fast to the end rings C C', the bar D³, however, being pivoted at *d* at one end and secured to the ring C at the other by means of a staple *c*, passing through a slot *d'* in the bar, and a pin E thrust into the staple outside of the bar. The pivoted bar is swung away from the frame, and a series of parallel hoops F (shown in Fig. 2) are

placed in the frame in proper position, which is determined by pins *d*², extending inward from each of the longitudinal bars. The pivoted bar D³ is then secured in place, the frame, together with the inclosed hoops, placed upon the rail, and the longitudinal slats (shown at F') placed one at a time in proper position upon the hoops F, said position being indicated by appropriate devices—as, for instance, marks *c'* *c'* upon the end rings—and the slats then nailed securely to the hoops by means of nails which will bend easily when they strike the T-rail to clench them upon the inside of the hoops. When the crate is complete, the pivoted bar D³ is opened and the crate easily removed.

The exact construction described is not necessarily followed, inasmuch as the general features thereof are independent of the specific construction.

I claim as new and desire to secure by Letters Patent—

1. A device for the construction of open cylindrical crates comprising substantially end rings, longitudinal bars connecting the same and inwardly-extending pins upon said longitudinal members adapted to position and secure the hoops of the crates in proper position relative to the longitudinal members thereof; substantially as described.

2. An apparatus for the construction of open cylindrical crates comprising substantially a frame of end rings connected by longitudinal bars, one of which may open for the removal of the crate and a bar adapted to extend longitudinally through the rings and to support said frame during the construction of the crate; substantially as described.

In witness whereof I have hereunto set my hand, at Chicago, in the county of Cook and State of Illinois, this 1st day of September, A. D. 1900.

FRANK SCHMITZ.

Witnesses:

CHAS. O. SHERVEY,
S. BLISS.