

A. C. BUSCHNER.
 APPARATUS FOR MAKING COVERED CORD.

APPLICATION FILED JAN. 3, 1903.

NO MODEL.

FIG. 1.

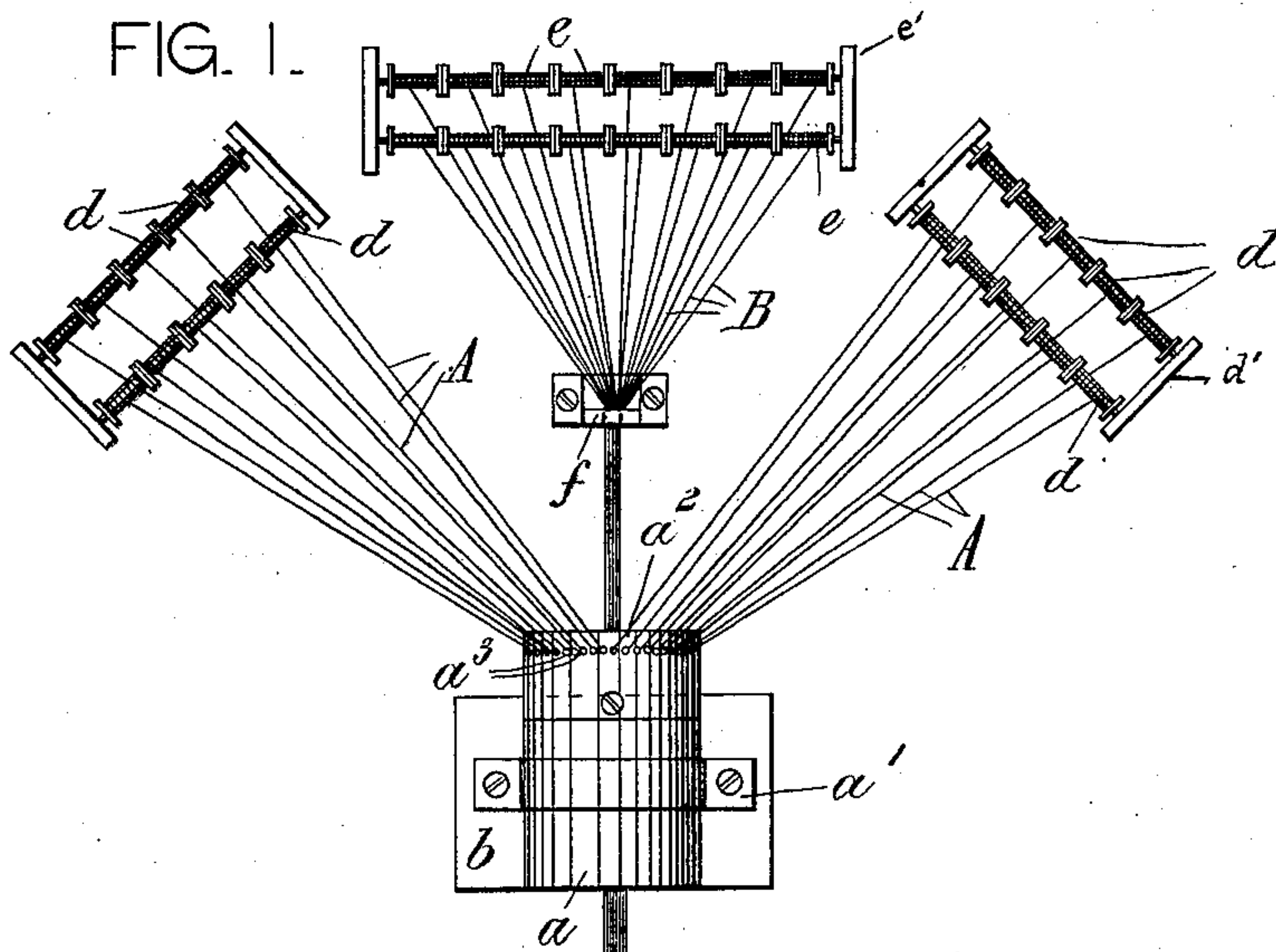


FIG. 2.

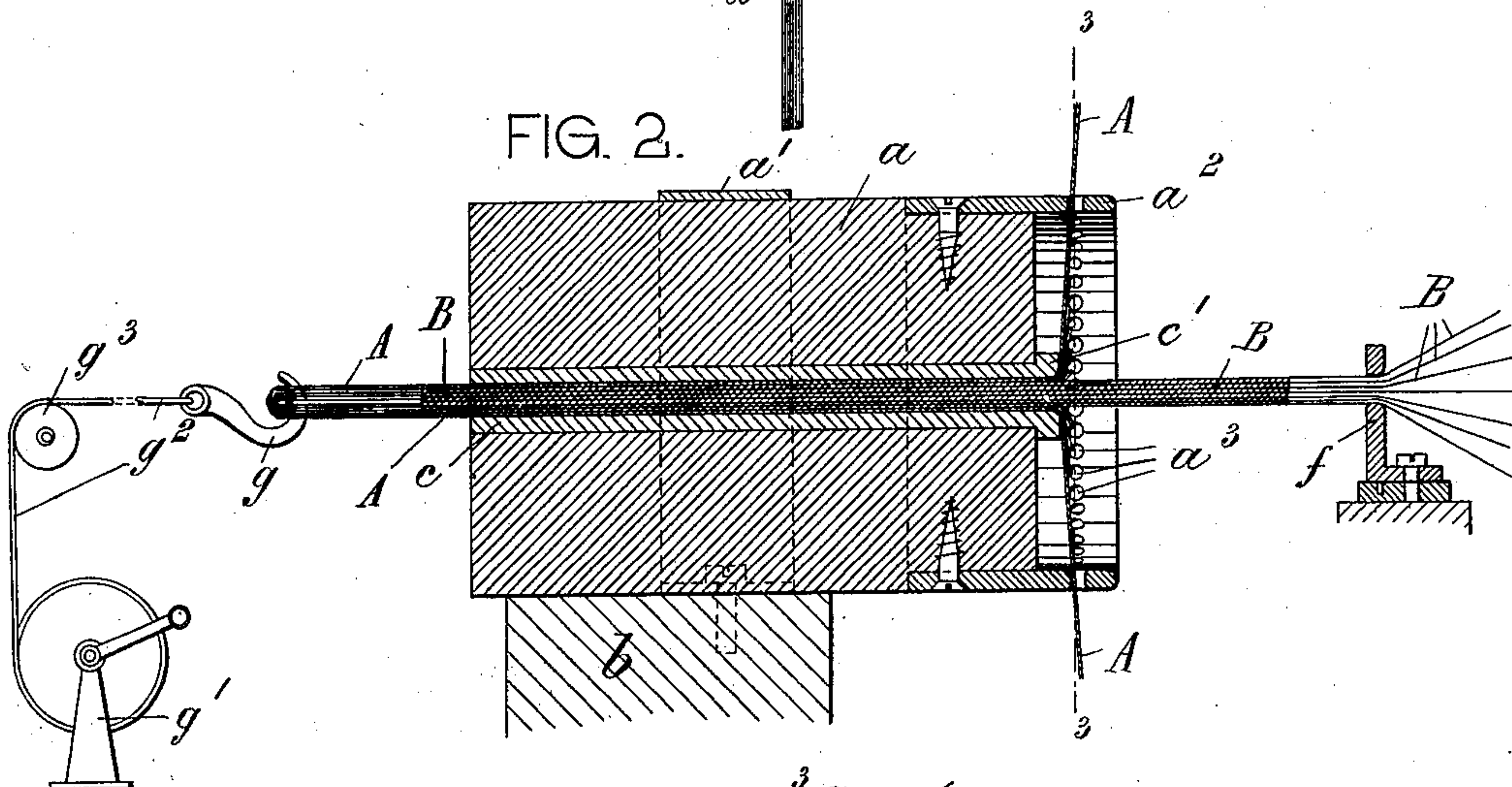
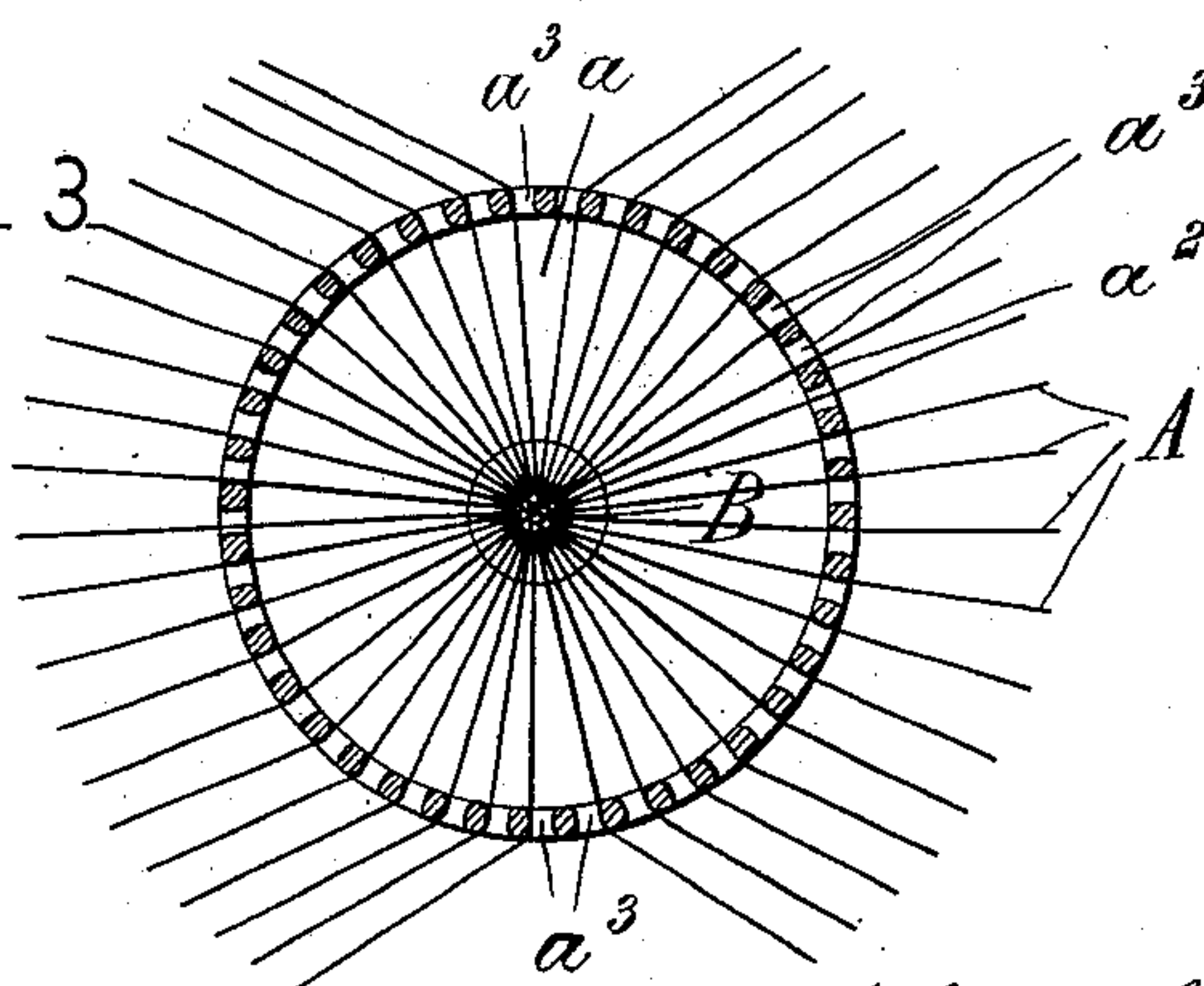


FIG. 3.



Witnesses:

Arthur J. J. J.
 William Schuck.

Inventor:

Albert Carl Buschner
 by his attorney
 Frank B. B.

UNITED STATES PATENT OFFICE.

ALBERT CARL BUSCHNER, OF BROOKLYN, NEW YORK.

APPARATUS FOR MAKING COVERED CORD.

SPECIFICATION forming part of Letters Patent No. 734,508, dated July 28, 1903.

Application filed January 3, 1903. Serial No. 137,653. (No model.)

To all whom it may concern:

Be it known that I, ALBERT CARL BUSCHNER, a citizen of the United States, residing at Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in Apparatus for Making Covered Cord, of which the following is a specification.

This invention relates to an improved apparatus for making covered cords composed of a core and of a silk or other covering, such cords being used for upholstering and other purposes.

In the accompanying drawings, Figure 1 is a plan of my improved apparatus with the hook omitted; Fig. 2, a longitudinal section of the draw-head; and Fig. 3 a section on line 3 3, Fig. 2.

The letter *a* represents a cylindrical stationary draw-head adapted to be secured to a support *b* by a strap *a'*. At one end a circumferential flange *a²* projects beyond the head, such flange being provided with a number of uniformly-spaced perforations *a³*. The head is made with an axial bore for the reception of a removable tube *c*, having a flanged mouthpiece *c'*, which is surrounded by the flange *a²* of head *a*. By replacing the tube *c* with one having a greater or less bore the apparatus is adapted for the manufacture of thicker or thinner cords.

d represents the spools for carrying the covering-threads *A*, and *e* the spools for carrying the core-threads *B*, the latter being placed between the former and all the spools facing the flanged end *a²* of the head *a*. The spools *d* are rotatable in a pair of laterally-arranged inclined fixed frames *d'*, and the spools *e* are rotatable in a third fixed frame *e'*, arranged centrally between the two flank-

ing frames *d'*. The cotton or other core threads *B* are conducted from spools *e* through a thread-gatherer *f*, arranged centrally between the frames *d'*, into the flanged end *c'* of a tube *c*. The silk or other covering threads *A* are conducted from spools *d* through the holes *a³* of flange *a²*, likewise into tube *c*, so as to be laid around and form a jacket that completely covers the core-threads. The core and covering threads thus assembled within head *a* are after leaving the latter grasped by a hook *g*, which is placed at a considerable distance from the head, and are drawn through the same, so that they will become tightly packed together and form a compound cord. A number of the cords or strands thus formed are twisted together to form a rope. Motion may be imparted to hook *g* by a winch *g'* and rope *g²*, passing over pulley *g³*.

It will be seen that in my improved apparatus the core-threads and the covering-threads are so conducted to the draw-head that core and covering are properly formed and that the threads are free to converge without interfering with each other.

What I claim is—

In an apparatus for making covered cords, a perforated stationary draw-head having a cylindrical perforated flange, combined with a pair of flanking inclined spool-carrying frames, a central spool-carrying frame, and a thread-gatherer arranged intermediate the flanking frames, substantially as specified.

Signed by me at New York, N. Y., this 2d day of January, 1903.

ALBERT CARL BUSCHNER.

Witnesses:

WILLIAM SCHULZ,
F. V. BRIESEN.