

No. 704,083.

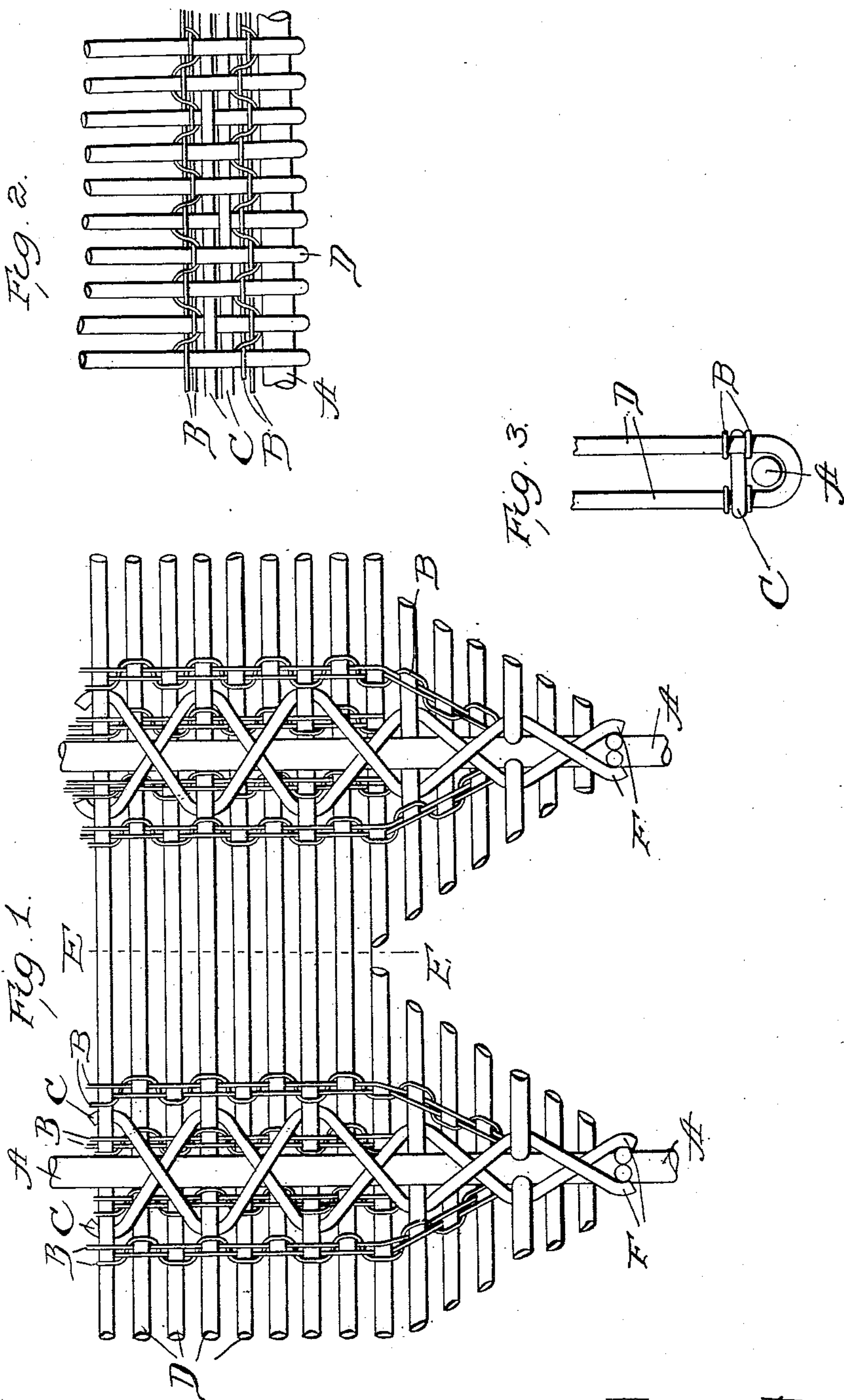
Patented July 8, 1902.

T. F. & A. NAYLOR.

WOVEN CHENILLE.

(Application filed July 12, 1901.)

(No Model.)



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UNITED STATES PATENT OFFICE.

THOMAS FOX NAYLOR AND ARTHUR NAYLOR, OF KIDDERMINSTER,
ENGLAND.

WOVEN CHENILLE.

SPECIFICATION forming part of Letters Patent No. 704,083, dated July 8, 1902.

Application filed July 12, 1901. Serial No. 68,058. (No specimens.)

To all whom it may concern:

Be it known that we, THOMAS FOX NAYLOR and ARTHUR NAYLOR, carpet-manufacturers, subjects of the King of Great Britain and Ireland, carrying on business at Green street, Kidderminster, in the county of Worcester, England, have invented certain new and useful Improvements in Woven Chenille, (for which we have obtained provisional protection in Great Britain and Ireland, No. 23,364, bearing date December 21, 1900,) of which the following is a specification.

This invention relates to improvements in the manufacture of chenille carpets, the object being to produce such carpets or fabrics without the backing heretofore used and in such a manner as to resemble oriental carpets or carpets having the tufts or pile knotted into the foundation by hand—as, for instance, by the Turkey knot, as used in Turkey carpets.

The invention consists of a chenille-weft material or tufted thread wherein the tufts are looped around a core-thread, and such tufts are then drawn and held together by means of doup-threads, the result being a chenille of great density with comparatively little yarn, and carpets made from such have a solid back with an unbroken pattern similar to the face.

Referring to the drawings, which form a part of this specification, Figure 1 is an enlarged diagrammatical drawing of the improved chenille-web. Fig. 2 is a side view of a piece of the improved chenille, showing the stronger doup-threads passing around the first and seventh tufts on one side and the third tuft on the opposite side. Fig. 3 is an end view showing the core with tuft drawn around it and constituting the chenille-pile.

A A represent the thick cord or core around which the tufts or pile is to be drawn.

B B are the four groups of fine binder-threads with their douns.

C C are the two stronger doup-threads, which work from side to side for the drawing or turning up of the ends of the pile-threads when they are cut.

D D are the colored weft-threads, which are shot across by the shuttle and which are intended to be cut at E E.

F F shows the weft cut and beginning to turn up.

The warps B B, which bind the wefts D D, are woven in parallel lines, and between each set of binding-threads B B is the thick core or center, consisting, preferably, of a cord or stout string A A. When the wefts D D are cut along the dotted lines E E, they constitute the pile or tufts D D, and these tufts are drawn around the core A, their ends being drawn toward each other by means of doup-threads C C, crossing above the core A and from one side to the other of the tufts D D. We use, preferably, two strong binding or doup threads C C, one on each side of the core A, and these may be taken behind every alternate or third, fourth, fifth, or sixth tuft, as may be desired.

The improved chenille is woven into the carpet fabric as a weft, the tufts D D standing upright and forming the front of the carpet, and the opposite or loop side forms the back on which the pattern or design is as clearly shown as it is on the front and in this respect closely resembles the hand-tied Turkey carpet.

Having now described our invention, what we claim as new, and desire to secure by Letters Patent, is—

A chenille consisting of a core, weft-threads in contact with the core, warp-threads woven with the weft-threads and a pair of doup-threads woven with the weft-threads and crossing from one side of the core to the other to hold the weft-threads up in the form of tufts, substantially as described.

In witness whereof we have hereunto set our hands in presence of two witnesses.

THOMAS FOX NAYLOR.
ARTHUR NAYLOR.

Witnesses:

HARRY COATES,
CHARLES EDWARD TOLSON.