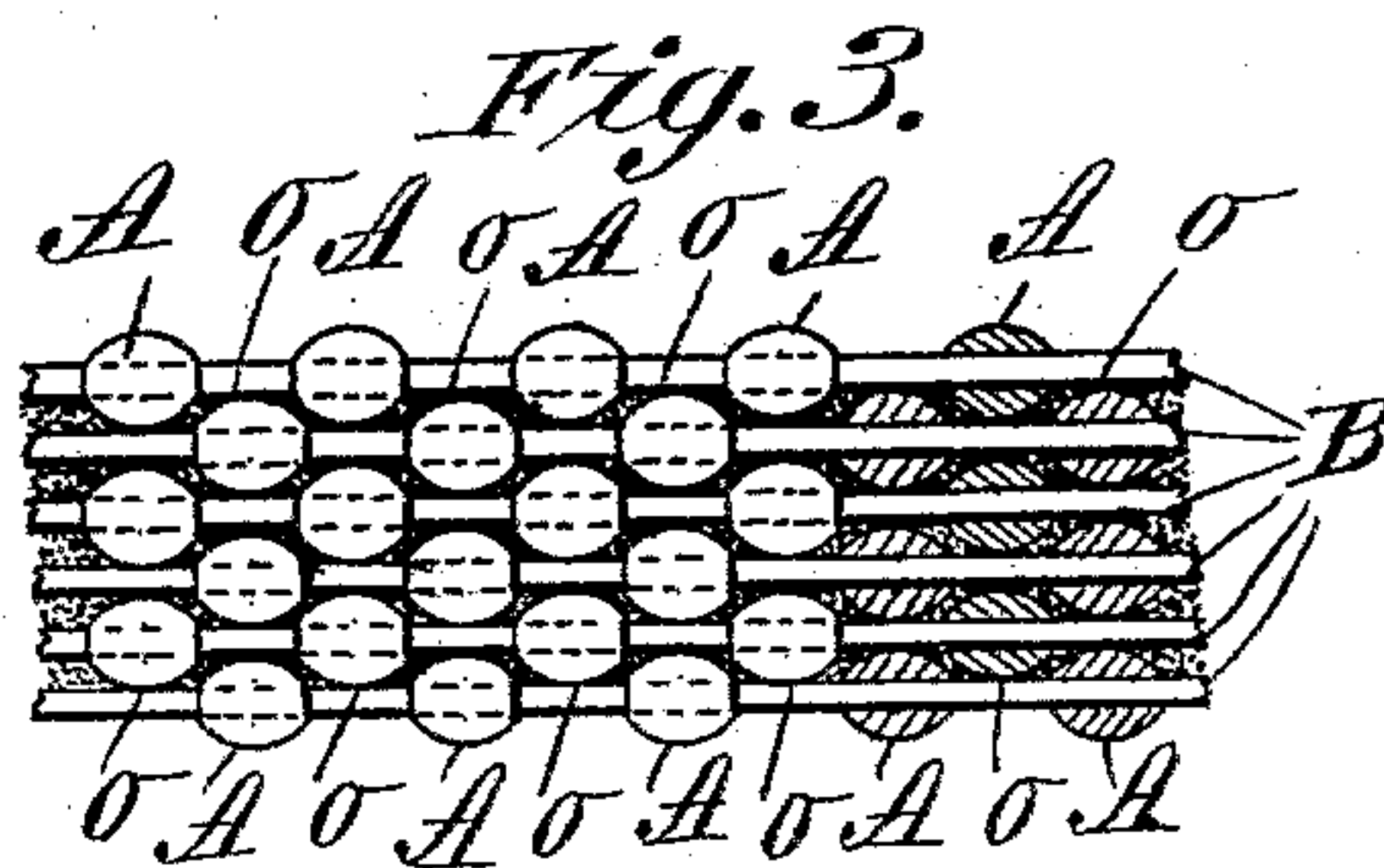
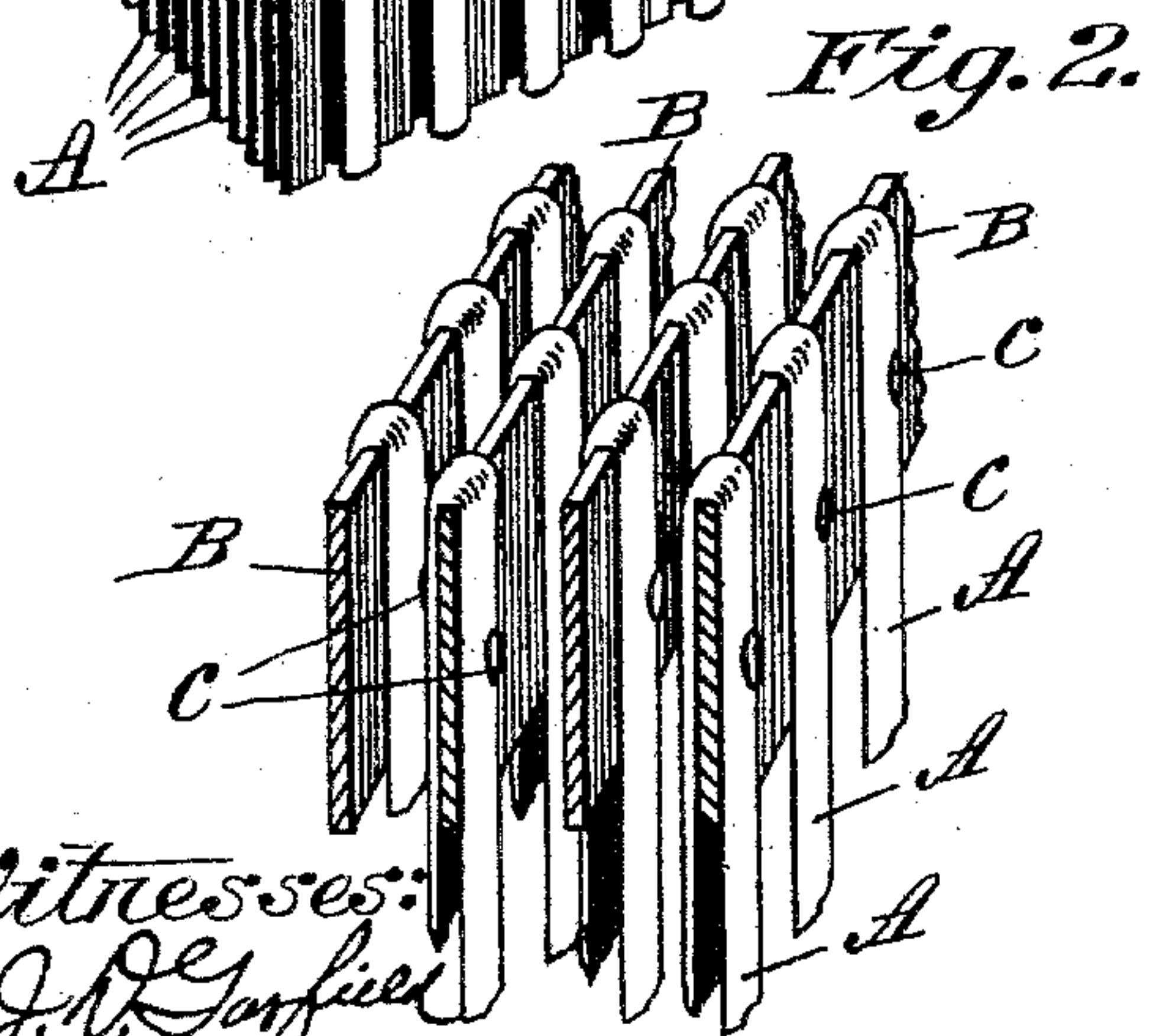
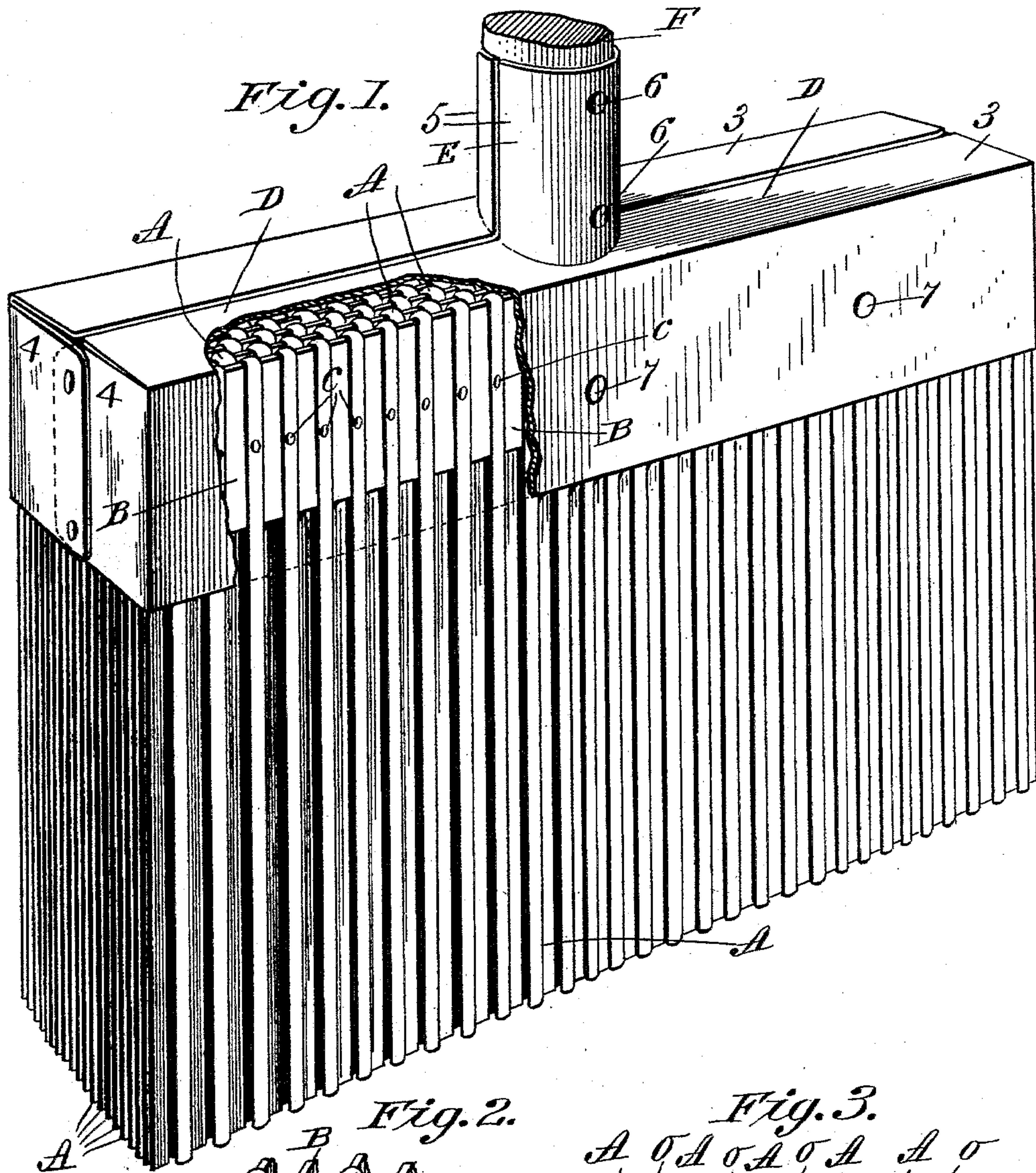


(No Model.)

J. C. SCHMIDT.
SECTIONAL BROOM OR BRUSH.

No. 596,793.

Patented Jan. 4, 1898.



Witnesses:
J. R. Goff
H. J. Clemons

Inventor
John C. Schmidt,
by *Chas. H. Smith*
Attorneys.

UNITED STATES PATENT OFFICE.

JOHN C. SCHMIDT, OF WESTFIELD, MASSACHUSETTS.

SECTIONAL BROOM OR BRUSH.

SPECIFICATION forming part of Letters Patent No. 596,793, dated January 4, 1898.

Application filed March 1, 1897. Serial No. 625,472. (No model.)

To all whom it may concern:

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

This invention relates to brooms or brushes, the object being to provide a broom of improved construction and material for certain purposes, as below set forth, and to provide for the utilization of certain material in said construction heretofore deemed valueless for useful purposes; and the invention consists in the peculiar construction and arrangement of the several parts of said broom, all as hereinafter fully described, and more particularly pointed out in the claim.

In the drawings forming part of this specification, Figure 1 is a perspective view of a broom embodying my improvements in the construction thereof, a part of the head-case being broken away to show the parts inclosed therein. Fig. 2 is a perspective view of parts of the head-strip in separated relations to illustrate the manner of applying and securing the broom-strip material thereto. Fig. 3 is a top plan view of a portion of the head of the broom, partly in section.

Referring to the drawings, A indicates strips of the surface portion of cylindrical sticks of ratan, which are cut from the latter in the manufacture of whips and similar objects wherein no portion of the ratan is employed other than the softer more flexible inner part thereof. The ratan selected for such purposes comprises pieces thereof having discolored and rough surfaces which do not provide surface strips which can be used in making chairs and similar articles where a clear light color is demanded; but said discolored and rough-surfaced strips are tough and strong, and it is found that when united and properly secured together in practicable form for a broom or brush, substantially as herein shown and described, a useful article is produced at a comparatively low cost for certain purposes where a strong stiff broom is required. To this end I provide in a broom construction a series of head-sections, each section comprising a strip of flexible material

and strips of brush material fixed on said strip and depending from one edge thereof, as below described.

B indicates strips of strong flexible material—such as a heavy paper, leather, or sheet metal—of suitable width and thickness, which, when having said strips of brush material fixed thereto, as aforesaid, and united in a broom or brush, as below described, constitute, together with the parts of said brush material lying against said strips, the head of the broom or brush. Said head-strips B have the said ratan strips preferably folded over them, as illustrated in the several figures, in separated relations, and the ratan strips are then firmly secured thereon by nails or tacks c, driven through the ratan parts and intermediate head-strip and clenched, or by other suitable means. If shorter ratan strips are used, the said folding thereof may be omitted and each single piece be properly nailed to the head-strip B in proper position thereon. Said head-strips have the ratan strips preferably hung thereto in such manner that the spaces therebetween shall be about the width of said ratan strips, to the end that when the ratan bearing-strips B are assembled side by side, as shown in Figs. 1 and 3, the outer sides of the ratan parts which lie against a strip B are brought, as there shown, against those parts o of said last-named strip which are exposed between the ratan strips thereon, thereby having a proper cementing contact therewith. This arrangement provides for applying glue or similar cementing substance to the contacting parts of said head-strip and ratan strips, whereby they are attached side by side to form the head of the broom. The said cemented parts occupy the mutually-arranged contacts, as shown at o in Fig. 3. The said parts of the broom comprising said strips B and the ratan parts lying directly thereon and connected thereto constitute the head of the broom, which head may have any suitable boxing or shell applied thereto, on which provision is made for securing a handle F thereto (a part of which is shown in Fig. 1) for the broom.

The preferable head-case D is made of two stamped or "struck-up" sections 3 3, having portions 4 4 at each end folding and secured one upon the other, as shown, and each of

said sections 3 has a semicylindrical or other formed handle-socket section 5, in which the lower end of said handle F is secured by rivets or pins 6 6, passing transversely thereof 5 through. The head-case is secured upon the head of the broom by rivets 7 7, passing entirely through said case and through the broom-head within it.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

A broom comprising a series of head-strips

of flexible material, a series of ratan strips secured against the sides of each of said head-strips and depending from one edge 15 thereof, said series of ratan bearing-strips being cemented side by side and forming, unitedly, a broom-head, and a suitable combined head-case and handle-socket secured to said head, substantially as set forth.

JOHN C. SCHMIDT.

Witnesses:

H. A. CHAPIN,
K. I. CLEMONS.