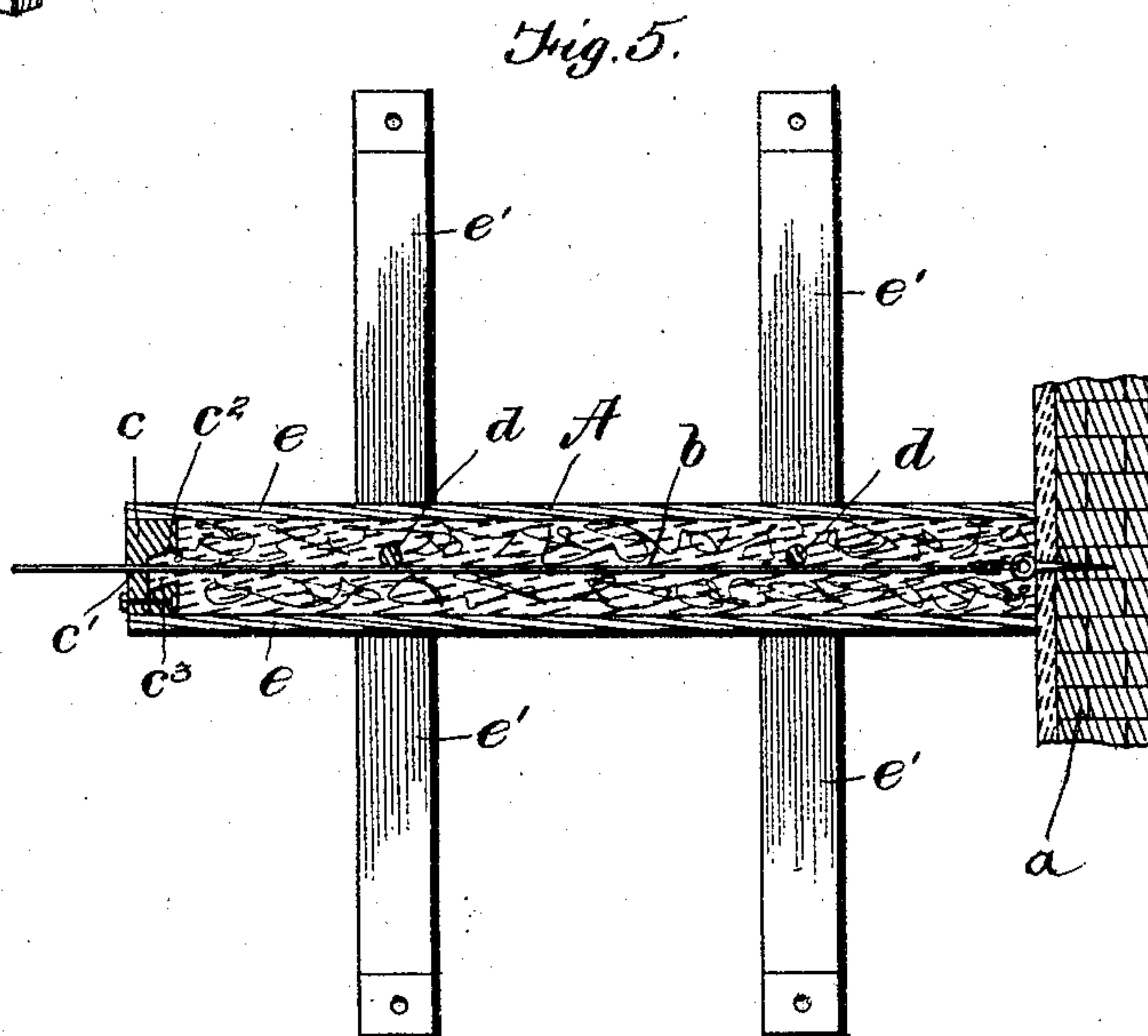
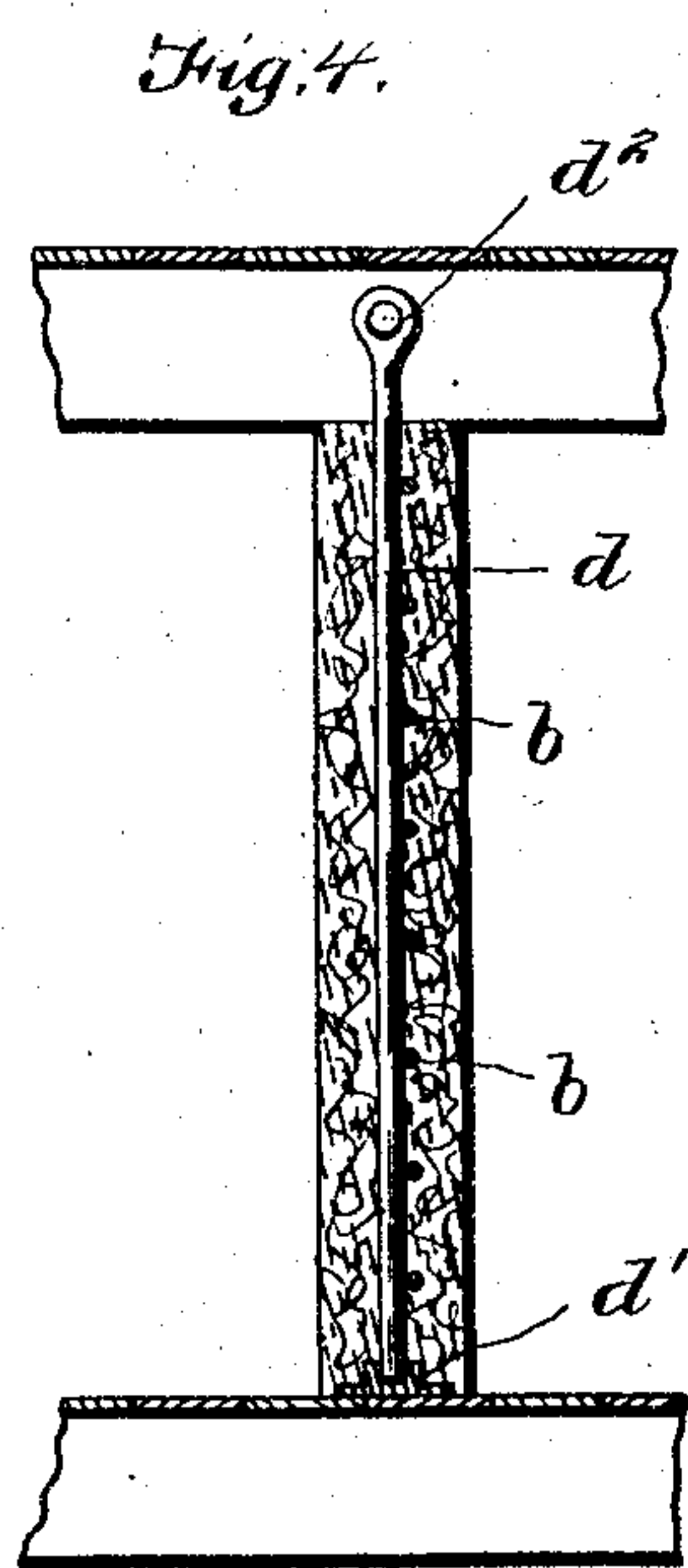
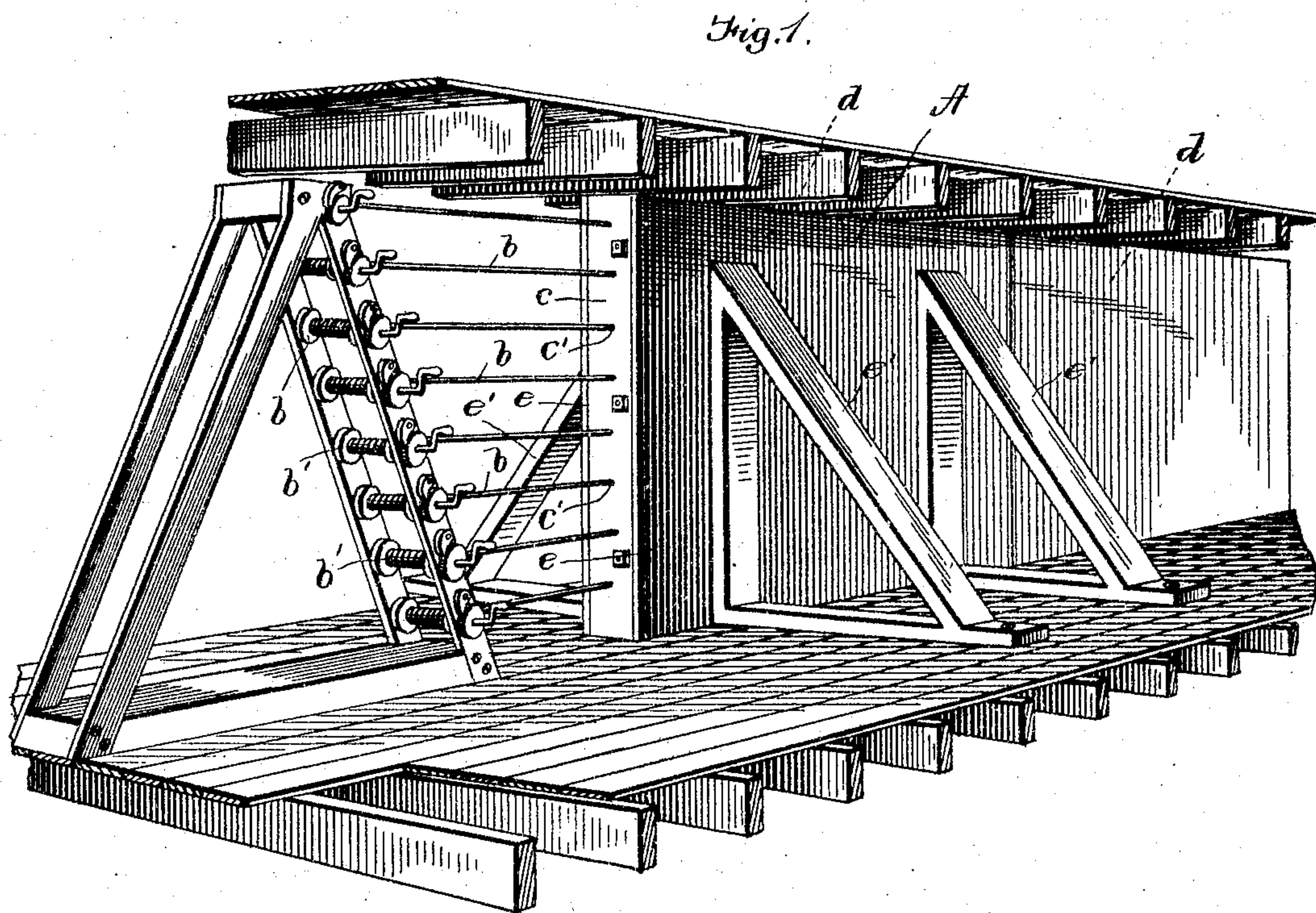


No. 780,936.

PATENTED JAN. 24, 1905.

J. A. CARTER.
SECTIONAL WALL.
APPLICATION FILED JAN. 9, 1904.

2 SHEETS—SHEET 1.



Witnesses

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By

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Inventor

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2 SHEETS—SHEET 2.

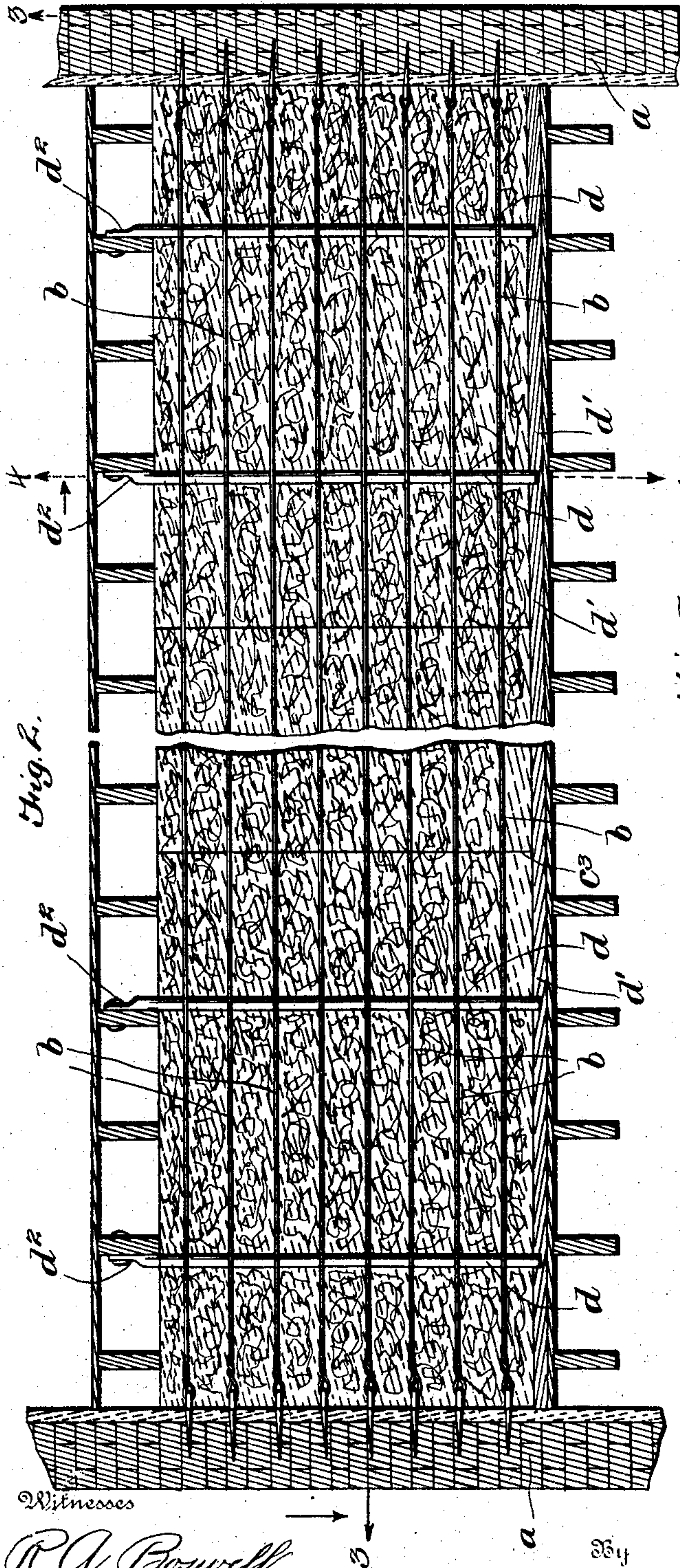
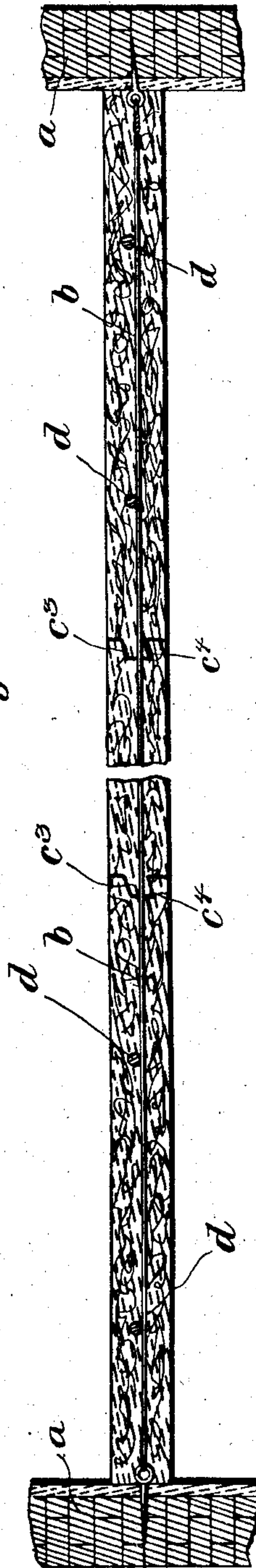


Fig. 2.



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UNITED STATES PATENT OFFICE.

JOHN A. CARTER, OF SUMMIT, NEW JERSEY.

SECTIONAL WALL.

SPECIFICATION forming part of Letters Patent No. 780,936, dated January 24, 1905.

Application filed January 9, 1904. Serial No. 188,362.

To all whom it may concern:

Be it known that I, JOHN A. CARTER, a citizen of the Dominion of Canada, and a resident of Summit, in the county of Union and State of New Jersey, have made a certain new and useful Invention in Sectional Walls; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the invention, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 is a perspective view of the invention as in process of manufacture. Fig. 2 is a longitudinal vertical section of the wall, partly broken away. Fig. 3 is a similar view in horizontal section. Fig. 4 is a vertical cross-section of the wall. Fig. 5 is a horizontal longitudinal section of the mold, &c.

This invention has relation to partition-walls, and has for its object the provision of an improved partition-wall cast with a plain or ornamental finished surface in sections and suitably braced with metal rods and wires, so as to be strong and rigid and of fireproof character throughout.

With this object in view the invention consists in the novel construction and combinations of parts, all as hereinafter described, and pointed out in the appended claim.

Referring to the accompanying drawings, the letter A designates a mold for the plaster sections of the height of the wall to be prepared and one end of which is formed by the side of one of the main walls *a* of the building. Fastened to this main wall in any suitable manner are the horizontal series of wires *b b*, extending to the height of the wall or of the ceiling and about one foot apart, these wires running through apertures *c'* of the movable end piece *c*, having a vertical groove *c²* therein, so as to cast a tongue *c³* upon the end of the plaster wall-section.

d d are intermediate iron pipes or rods, about two being placed in each wall-section, these pipes being let into a string-piece *d'*,

fastened to floor below and clamped at *d²* to the joists above.

The end piece *c* and the main wall *a* being suitably connected by the horizontal wires and the iron piping properly secured in position, the plain or ornamental sides *e e* of the mold are brought against the end piece *c*, which is of the desired thickness for the partition-wall and braced thereagainst at *e' e'* in such manner as to form a tight box for the filling composition. This filling, which is composed of plaster, sand, and asbestos, is poured into the mold through the top thereof and forms when set the first section of the wall extending from floor to ceiling and having a finished surface. In order to form the second section of the wall, the outer end of the section first built is taken as the end piece of the second mold, and the end piece *c* is moved to its proper position as end piece for the second mold, the horizontal wires *b* being reeled from their spools *b'* to extend from the end of the section already cast through the end piece *c* in its new location. The rods or pipes *d* are now secured in position as before stated, and the mold side pieces being braced in position the mold for the second section of the wall is ready for the filling composition to be poured therein. A groove *c⁴* will thus be molded around the tongue *c³* at the abutting ends of the two sections. Each succeeding section will be molded in the same manner as described for the second section. The section next to the wall opposite to that from which the sections are built up will also be formed in the same way as described for section No. 2, with the exception that the movable end piece *c* is dispensed with, the horizontal wires being secured to the opposite wall *a*, as for the first section. These wires will thus connect the outside walls of the building in an unbroken manner.

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

A sectional partition-wall composed of lon-

gitudinal integral sections having an oblique tongue-and-groove-joint connection said sections being solid from floor to ceiling and each section being molded in one piece, continuous
5 uninterrupted horizontal wire braces extending from wall to wall through the joints of said sections and secured to said walls at both end portions, and vertical rod-braces

extending through said sections, substantially as specified. 10

In testimony whereof I affix my signature in presence of two witnesses.

J. A. CARTER.

Witnesses:

GEORGE H. MOSS,
JOS. E. STECKLER.