

(No Model.)

D. J. REX.
CRATE.

No. 483,871.

Patented Oct. 4, 1892.

Fig.1.

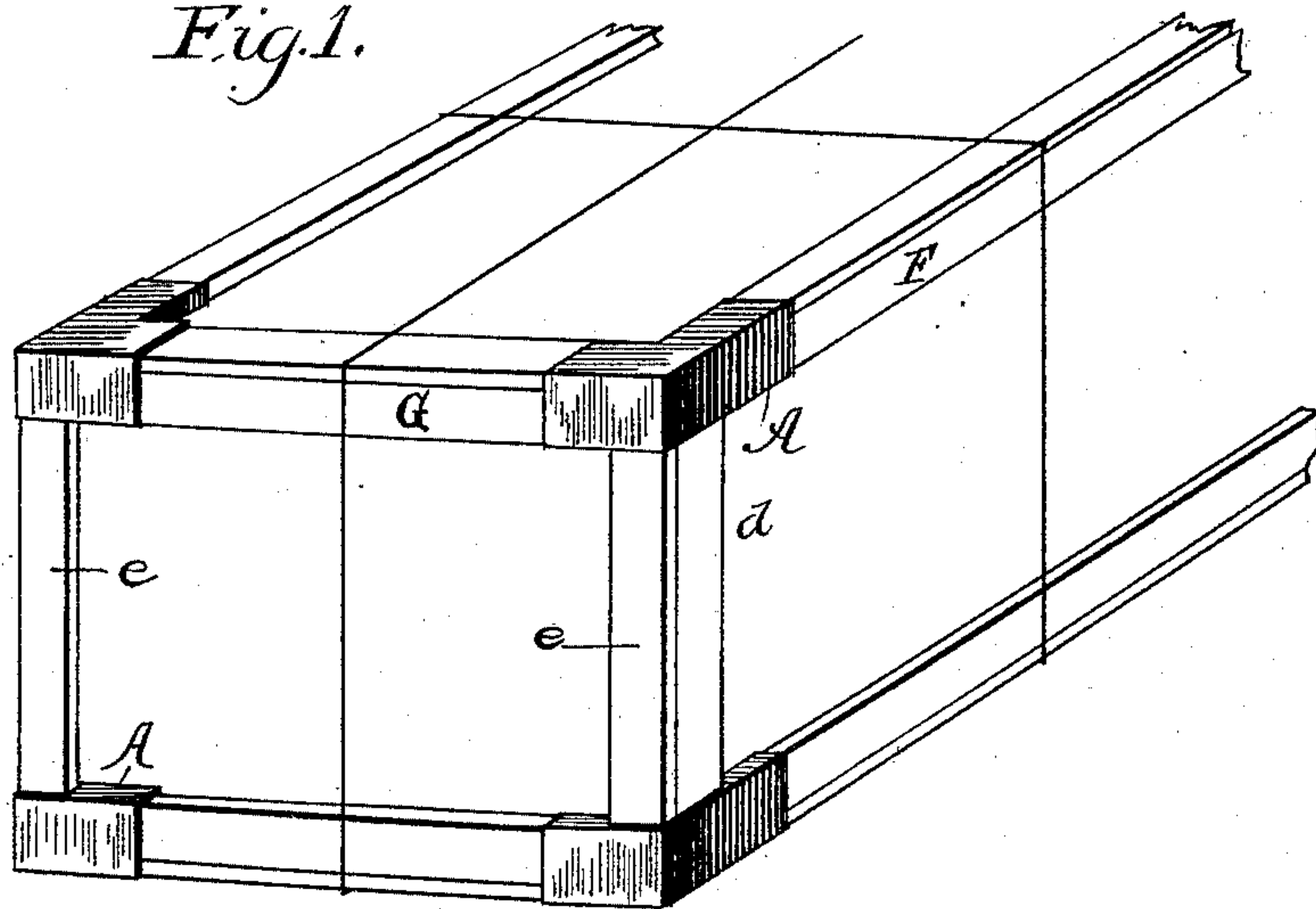


Fig.2.

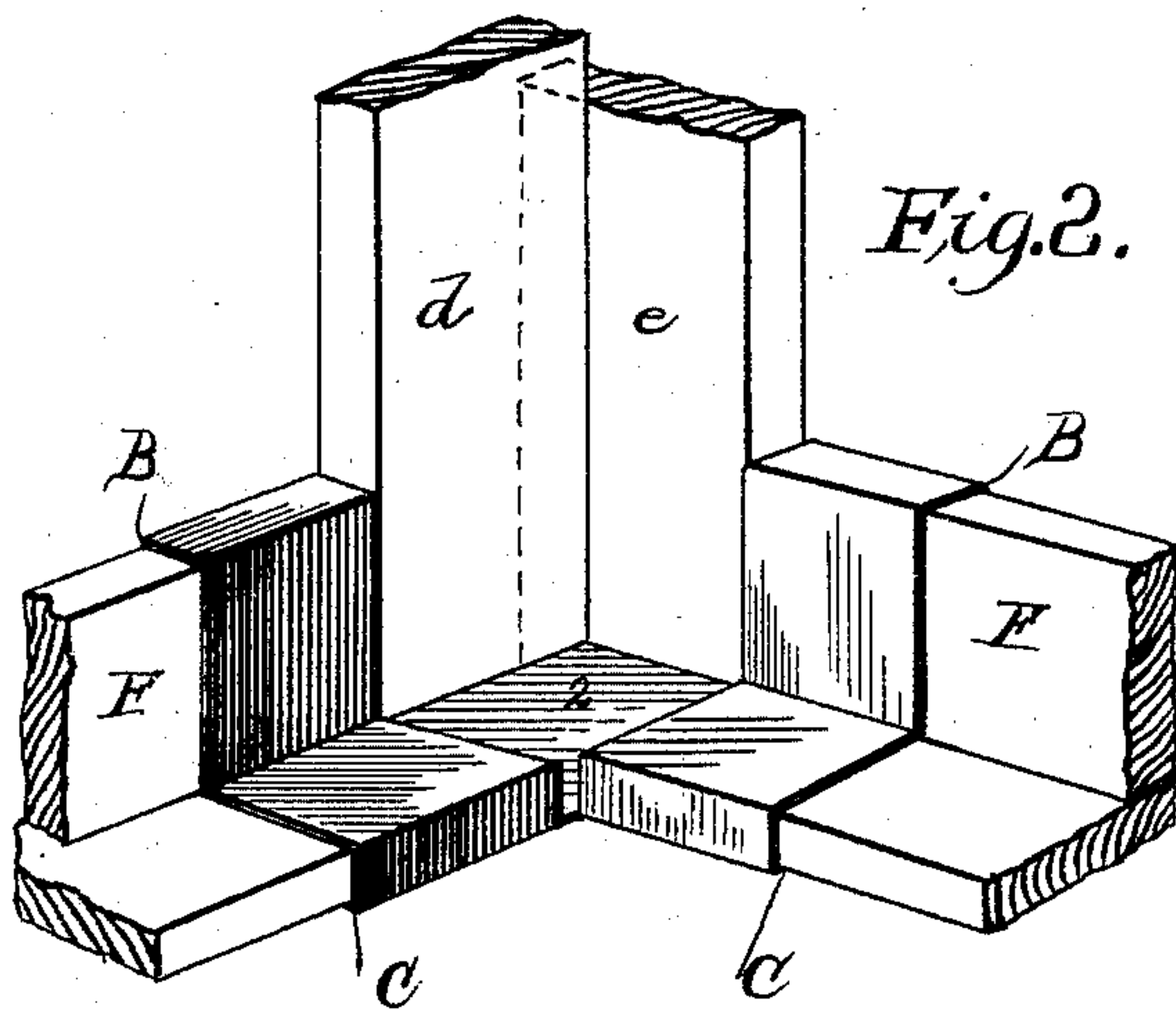
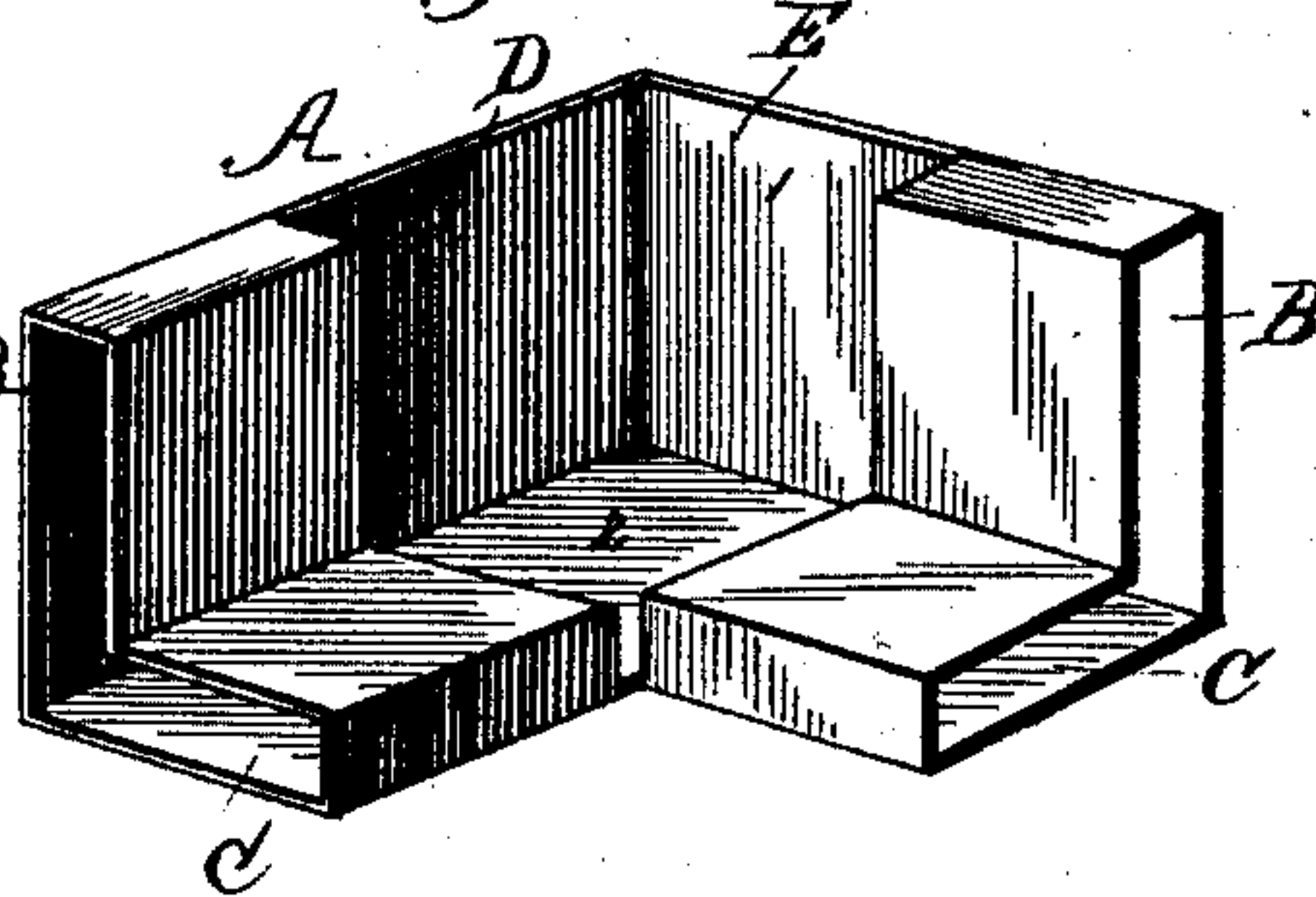


Fig.3.



WITNESSES:
Fred G. Dieterich
P. B. Turpin.

INVENTOR:
DAVID J. REX.
BY *Wm. L. G.*
ATTORNEYS

UNITED STATES PATENT OFFICE.

DAVID J. REX, OF PITTSBURG, PENNSYLVANIA.

CRATE.

SPECIFICATION forming part of Letters Patent No. 483,871, dated October 4, 1892.

Application filed April 16, 1892. Serial No. 429,394. (No model.)

To all whom it may concern:

Be it known that I, DAVID J. REX, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Crates, of which the following is a specification.

This invention is an improvement in crates for use in crating paper boxes or other goods, and seeks especially to provide a simple novel form of corner-piece; and it consists in the improved construction and novel combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the drawings, Figure 1 is a view of a part of a crate provided with my improvement. Fig. 2 is a detail view of a corner of the crate, and Fig. 3 is a detail view of one of the corner-pieces.

The corner-piece A is made right-angular, as shown, is provided in its ends with the L-shaped seats forming the sockets B C B C, and between its ends at its angle with seats forming the sockets D E for the slats *d e*, which slats may for convenience of reference be termed the "post-slats" or "posts," as distinguished from the side slats F and the end slats G. In the construction shown the corner-piece has side plates 1 and 2, the plate 1 being wider than the plate 2, so that the distance from the plate 2 to the outer end of socket B is greater than that from the plate 1 to the outer end of the socket C, so that the slats fitted in the sockets B may rest at their outer edges against the sides of the slats in sockets C, such slats in turn resting at their outer edges against the plates 1, as shown. The posts *d e* fit in the sockets D E, the posts *d* resting at their outer edges against the faces of the posts *e*, as shown.

By the described construction it will be seen that I provide a triple right-angular corner-piece formed to receive the side and end slats and the post-slats, as described. This corner-piece may be made by casting or by stamping or forging from sheet metal, and, if desired, may be provided with screw or nail holes, so that the corner-piece may be fastened to the slats; but this is not necessary, as the strings around the crate or package will hold the corner-pieces in place and by tightening

the strings on the package the corner-pieces will be drawn firmly to the package from all directions. The end sockets, it will be seen, are closed laterally and are at right angles to each other and communicate, so that they will receive the longitudinally-parallel side or end slats, as the case may be.

The construction is simple, inexpensive, and will be found of great convenience in crating paper boxes and other like articles.

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

1. A corner-piece for crates, provided at its ends with sockets forming seats for the side and end slats and provided between the said ends with seats for the uprights or posts, substantially as set forth.

2. A corner-piece for crates, provided at its ends with seats for the side and end slats, the seats at the same end of the corner-piece being arranged at right angles to each other, substantially as set forth.

3. A corner-piece for crates, made right-angular and having in its ends L-shaped seats forming communicating sockets arranged side by side, the sockets at the same end of the corner-piece being at right angles to each other, substantially as set forth.

4. A right-angular corner-piece for crates, provided at its opposite ends with seats for the end and side slats and between said ends with seats for the uprights or posts, substantially as set forth.

5. A corner-piece for crates, having L-shaped seats forming communicating sockets arranged side by side and at right angles to each other, one of such sockets being wider than the other, whereby the slat inserted therein may rest edgewise against the face of the similar slat fitted in the other socket, substantially as set forth.

6. The right-angular corner-piece for crates, having at its opposite ends communicating seats formed at right angles to each other and provided at its angle with communicating seats, all substantially as described, and for the purposes set forth.

7. A crate composed of the side and end slats, the corner-posts, the corner-pieces hav-

ing seats for the said slats and posts, and means for binding the crate together longitudinally and transversely, substantially as set forth.

- 5 8. A right-angular corner-piece for crates, provided in its opposite ends with sockets closed laterally and opening out of the ends of the corner-piece, whereby the slats may be

inserted and removed longitudinally from their sockets, but will be held from displacement laterally, substantially as and for the purpose described.

DAVID J. REX.

Witnesses:

GRAHAM SCOTT,
FRANK ZINK.