

R. A. MORSE.
Corner Iron for Wagon-Seats.

No. 223,294.

Patented Jan. 6, 1880.

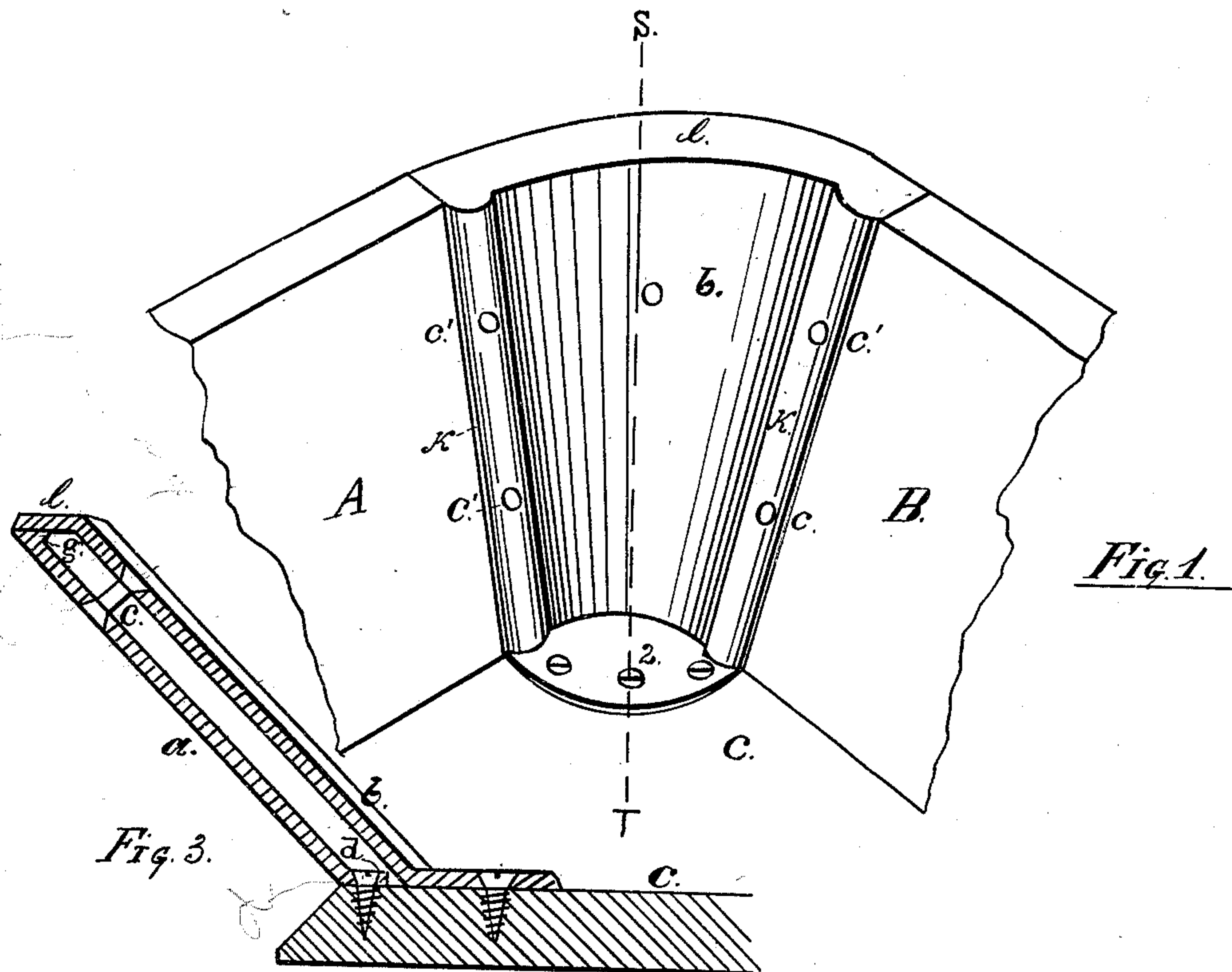


Fig. 3.

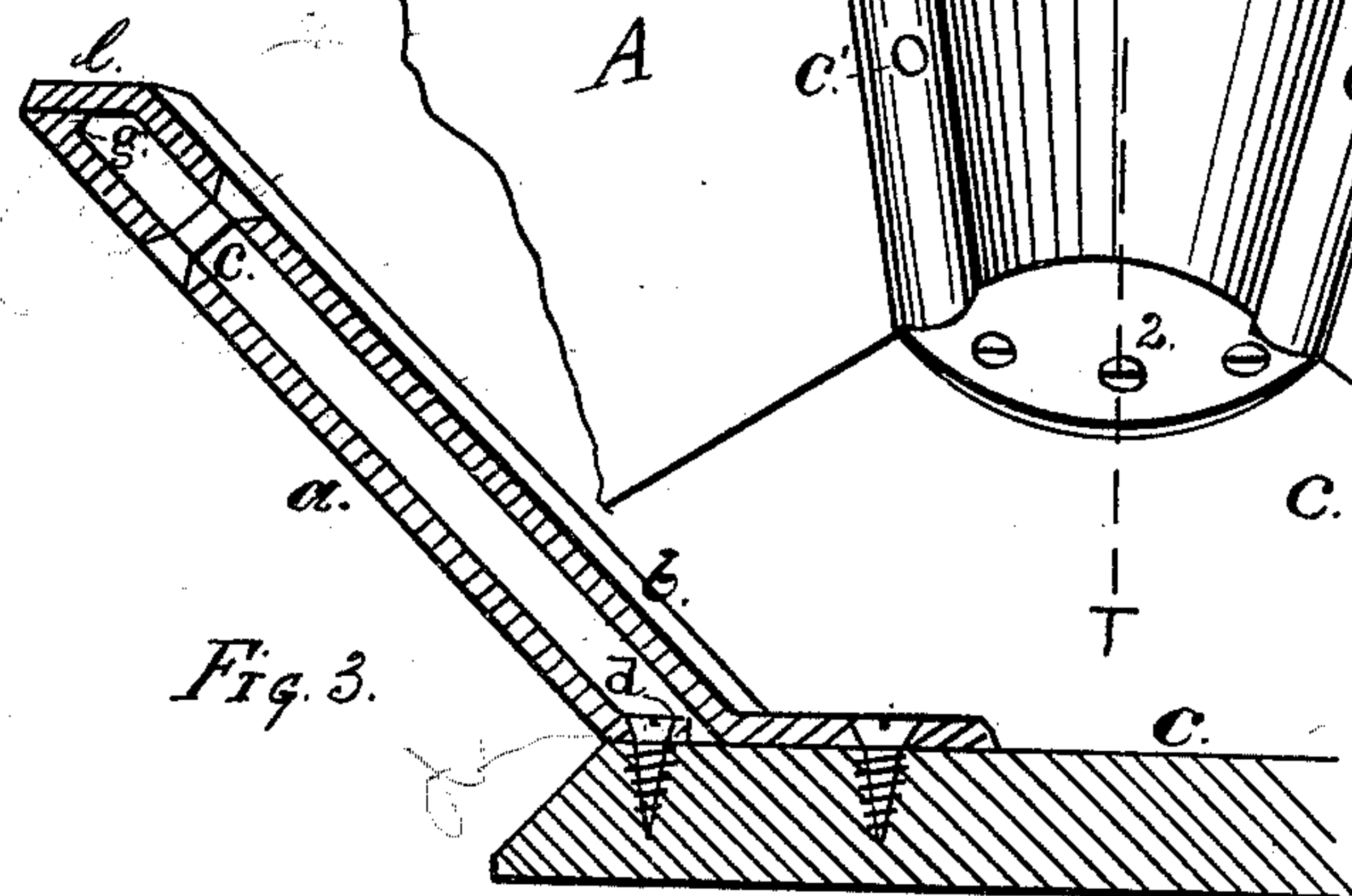
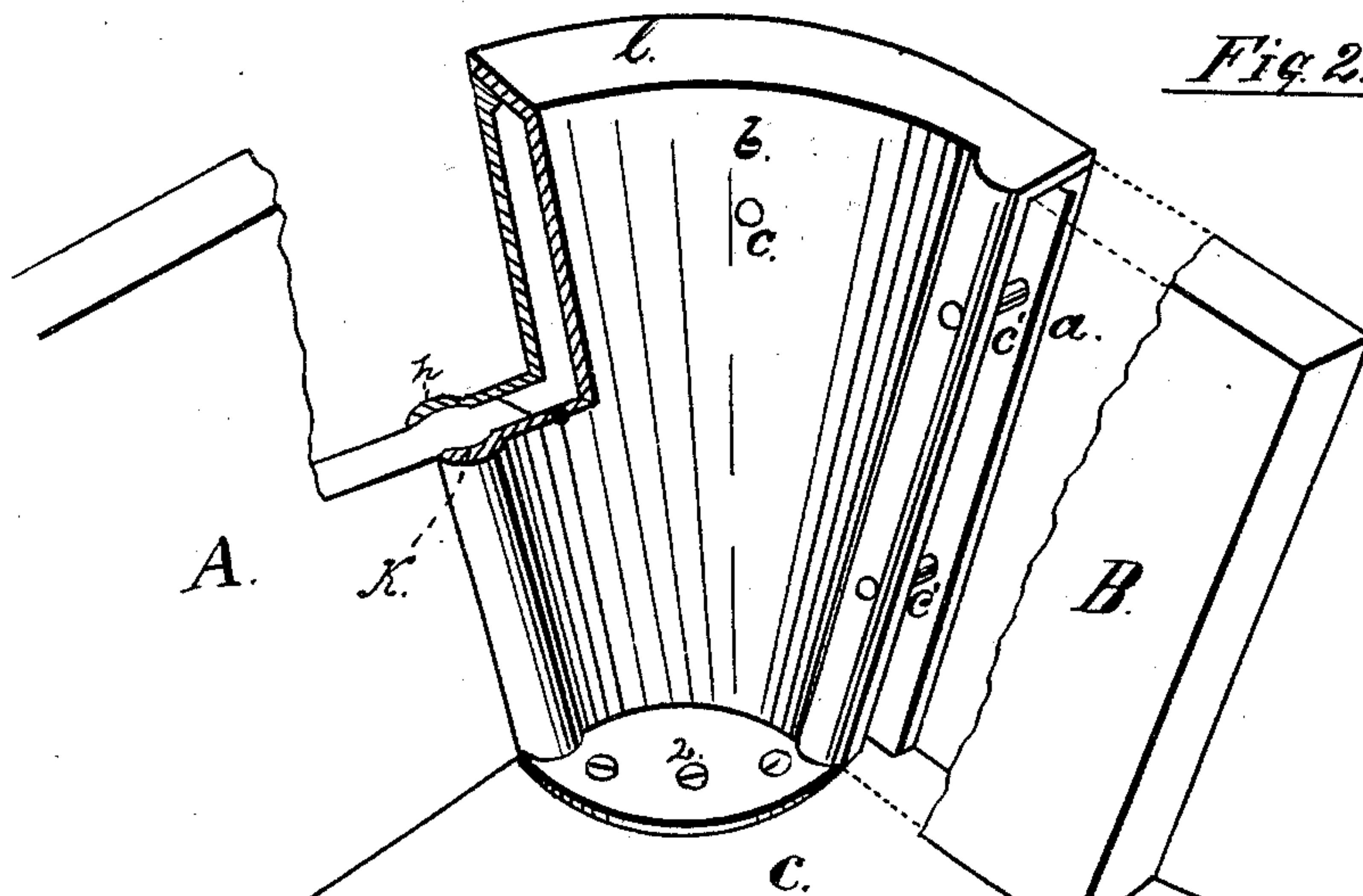


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ROBERT A. MORSE, OF MILWAUKEE, WISCONSIN, ASSIGNOR TO DAVID FORD, OF SAME PLACE.

CORNER-IRON FOR WAGON-SEATS.

SPECIFICATION forming part of Letters Patent No. 223,294, dated January 6, 1880.

Application filed May 9, 1879.

To all whom it may concern:

Be it known that I, ROBERT A. MORSE, of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Corners of Wagon Seats and Bodies; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Figure 1 represents an inside view of one of my improved corners with one side and end piece in position; Fig. 2, a similar view with a part cut away and a side piece broken off, and Fig. 3 a section on the line S T, Fig. 1.

My invention relates to the method of forming or joining the corners of wagon bodies and seats, and has for its object the connection of the side pieces of the wagon body or seat to the end pieces by a simple, strong, and durable attachment, that will be unaffected by the warping, swelling, or contracting of the wooden portions, and will not be liable to be destroyed by dampness.

In the drawings, A represents the end or back piece of a wagon body or seat, and B a side piece. These, approaching each other at right angles till they almost meet, are joined by the corner-piece, which consists of a plate, *a*, of malleable or wrought iron, or other suitable material, having a flange, *d*, by which it is attached to the bottom of the body or seat by means of screws. This plate has also a beveled shoulder, *g*, at its top. Its sides are grooved or flared, as shown at *h*, and provided with rivet-holes. This part *a* forms the outer section of my improved corner. The inner section is of similar material, has a bot-

tom flange, 2, and is grooved or flared at its sides, as shown at K. At its top it has a flange, *l*, which projects from it at a slight angle and rests upon the shoulder *g* of the part *a*.

In putting a body together the part *a* is first attached to the bottom by screws passed through the flange *d*, and the back and side A B, having previously been tongued, are placed so that they fit into the part *a*. The part B is then fitted in place, so that its edges clasp the tongues on the side and back between it and the outer plate, and its upper flange, *l*, rests on the shoulder *g*. It is then attached to the bottom C through the flange 2. A rivet, *e*, is passed through both plates near the top, and the two are bound together. Rivets are also passed through the edges of the plates and the material of the back and sides, as shown at *e'*, to hold them in place.

The edges of the plates may be straight—that is, neither flared nor grooved—if desired. A corner is thus formed which will securely hold the back and sides of a wagon or seat together and to the bottom, and which is finished in appearance as well as durable.

I claim as my invention—

1. A corner for wagon bodies and seats, consisting of an outer plate, *a*, having a shoulder and flange, as described, and an inner plate, *b*, having flanges *l* and 2, as and for the purpose set forth.

2. A corner for wagon bodies or seats, consisting of the plates *a* and *b*, grooved or flared, as shown, and connected, as set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

ROBT. A. MORSE.

Witnesses:

E. H. BOTTUM,
JOHN FORD.