

(No Model.)

C. ROTHENGATTER.

FRINGE REEL.

No. 321,454.

Patented July 7, 1885.

Fig 1.

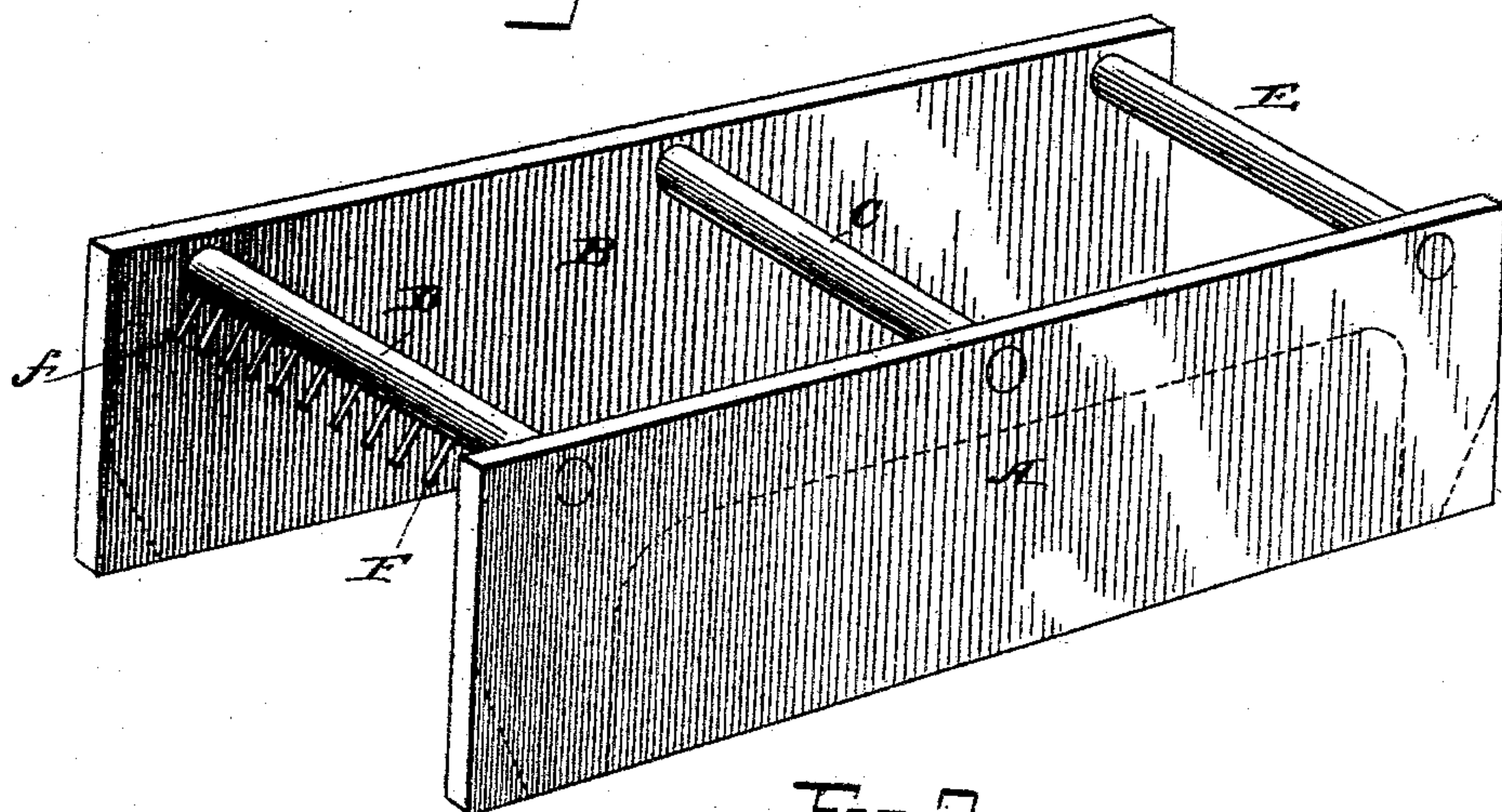


Fig 2.

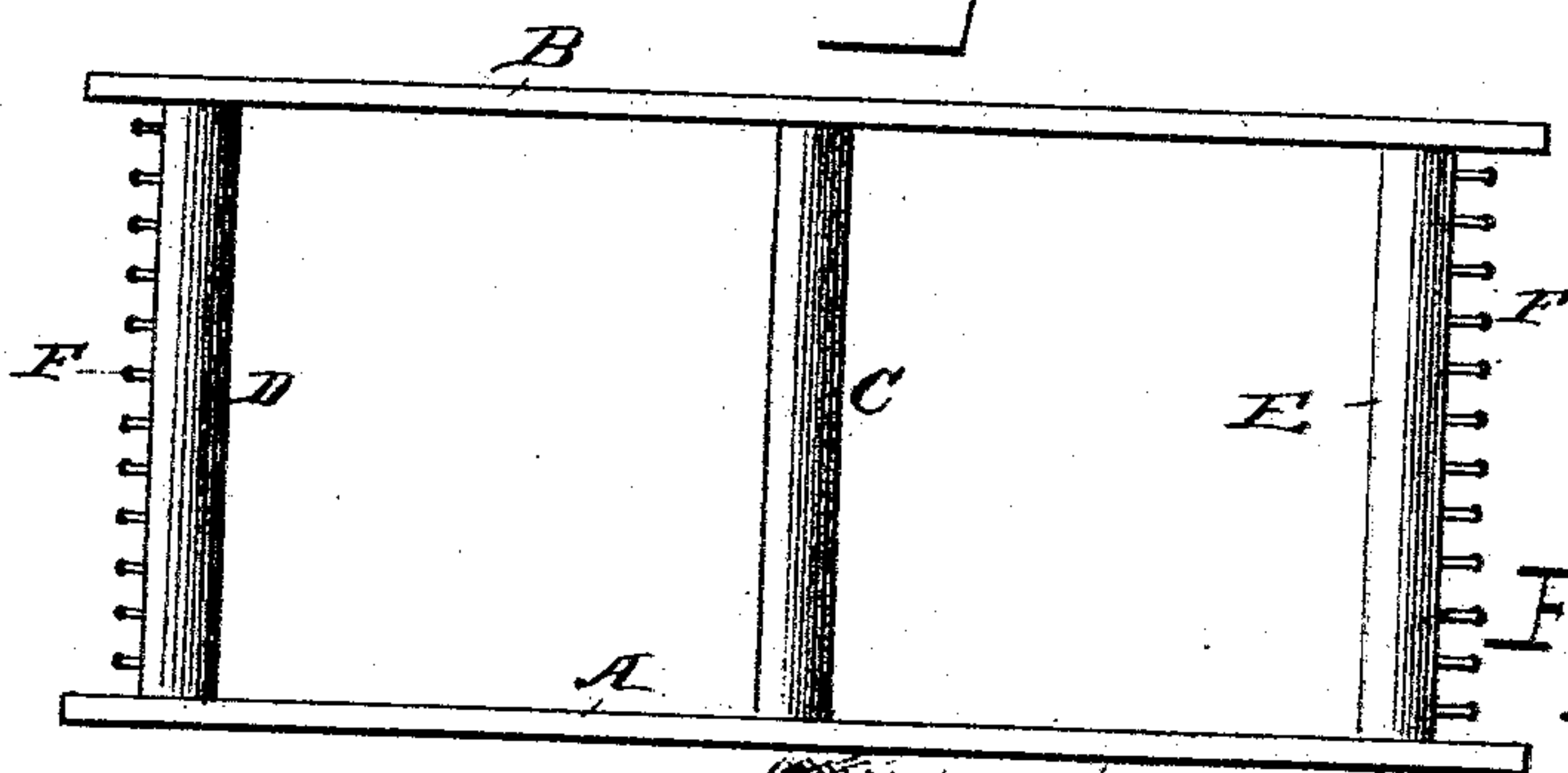


Fig 4.

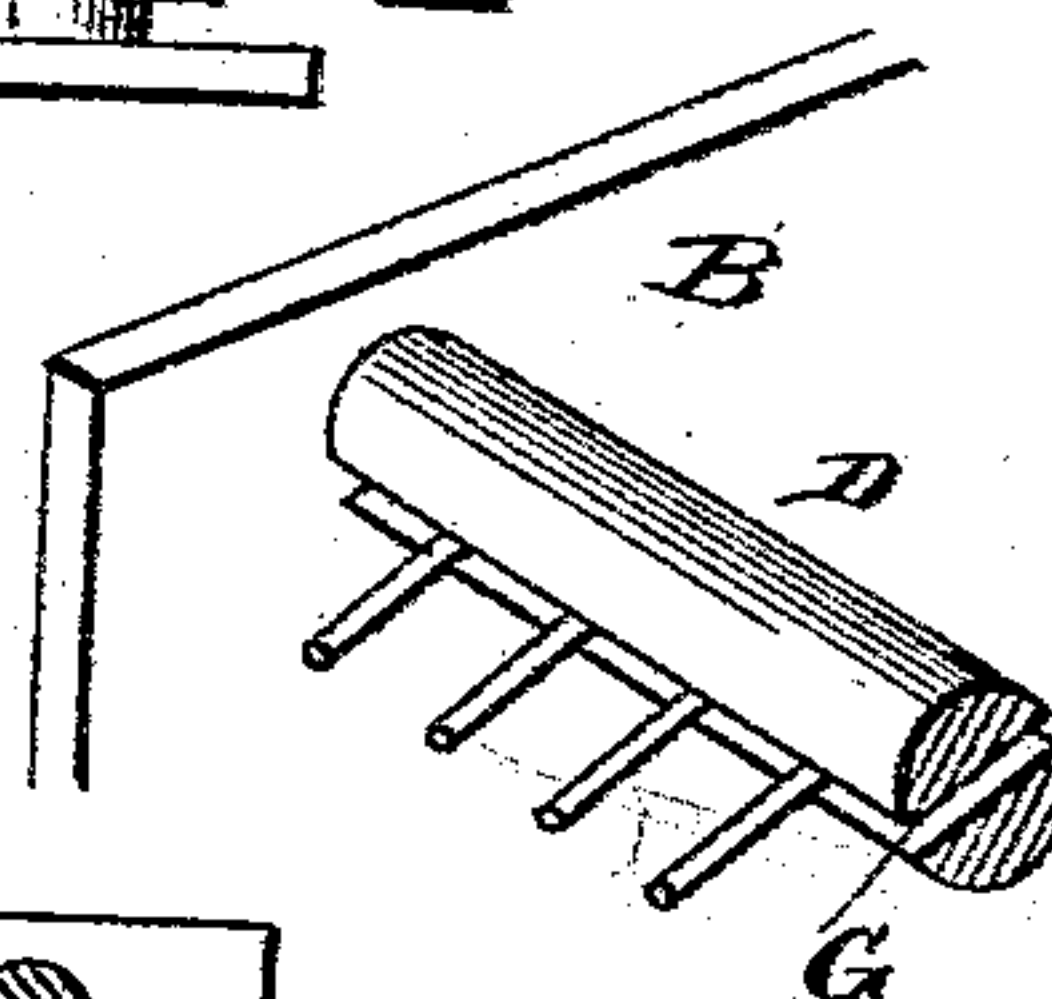


Fig 5.

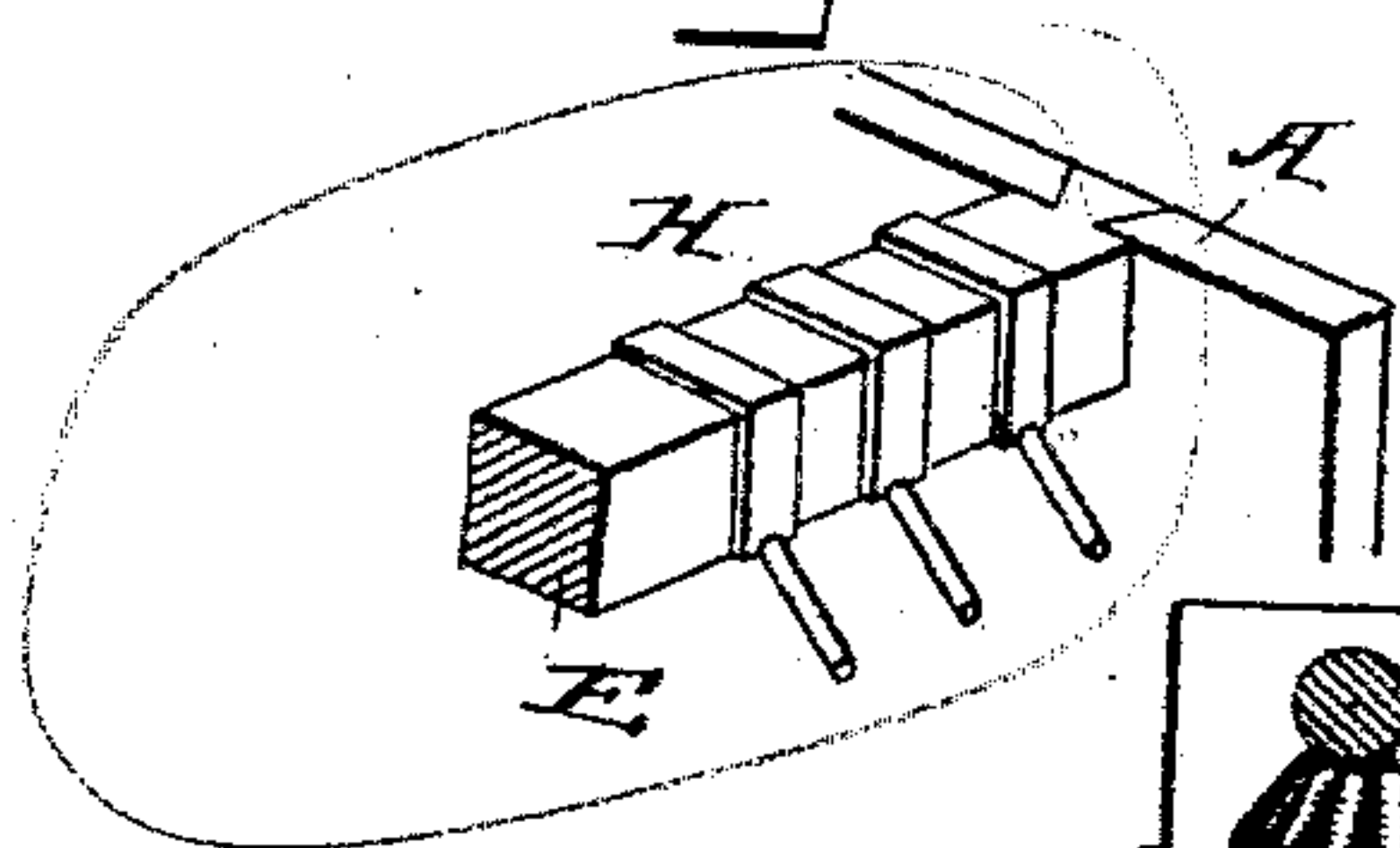
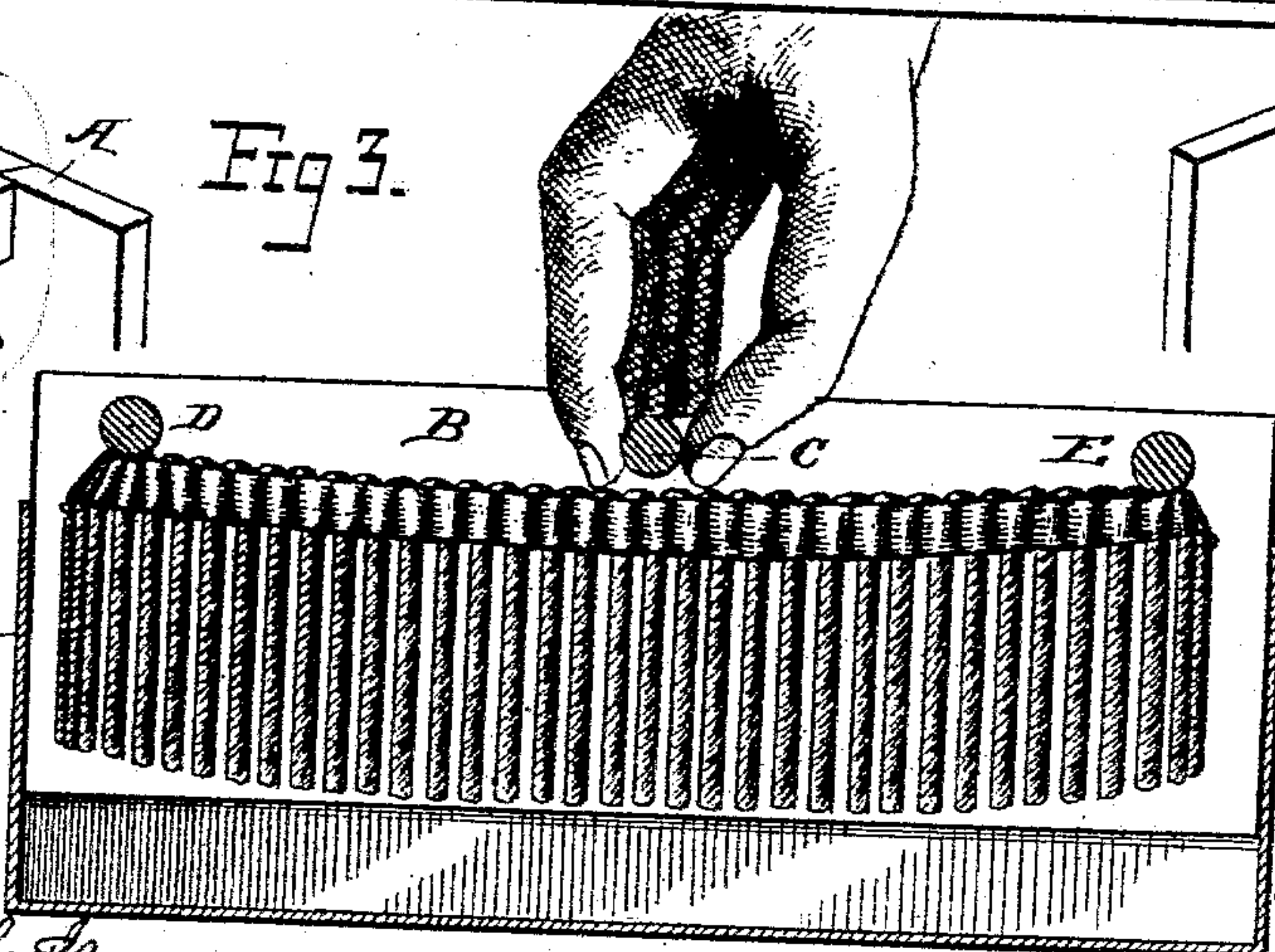


Fig 3.



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UNITED STATES PATENT OFFICE.

CHARLES ROTHENGATTER, OF PHILADELPHIA, PENNSYLVANIA.

FRINGE-REEL.

SPECIFICATION forming part of Letters Patent No. 321,454, dated July 7, 1885.

Application filed November 26, 1884. (No model.)

To all whom it may concern:

Be it known that I, CHARLES ROTHENGATTER, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Fringe-Reels, of which the following is a specification.

My invention relates to reels for supporting and holding fringes, edgings, and the like, and has for its object to improve the construction of such reels whereby they are better adapted to hold and display the articles reeled and to preserve them from damage, and at the same time to produce a simple and convenient contrivance that is inexpensive and not liable to get out of order; and to these ends my invention consists in a reel constructed as more particularly pointed out hereinafter.

Referring to the accompanying drawings, forming part of this specification, Figure 1 is a perspective view of my improved reel. Fig. 2 is a plan. Fig. 3 is a view showing the manner of manipulating the reel. Figs. 4 and 5 are detail views of modifications.

Heretofore reels have been made consisting of two side pieces or boards connected by a number of centrally or concentrically arranged cross-pieces on which the fringe or edging has been wrapped by being wound around the cross-piece in concentric layers, considerable tension being required to make the fringe adhere and stay in place, which is liable to stretch and distort the fringe, and the pressure of the outer layers upon the inner ones tends to crush and disfigure them. Such reels have generally been placed in boxes or receptacles so that the fringe or edging lies horizontally, and this has a tendency to cause further derangement of the fringe and to expose parts thereof to more or less wear and tear. It has also been proposed to arrange hooks or pins upon the under sides of cross-bars supported in a narrow frame and to fasten the fringe upon the hooks, and such frame has been supported upon posts in a box or receptacle which allowed the skirt of the fringe to hang perpendicularly or by gravity when in the box; but when removed therefrom there was no way of supporting the fringe properly. My invention is intended to overcome all these objections and to present many ad-

vantages, and these are attained by a very simple device, which I will now describe.

The sides of the reel are formed of two substantially rectangular supports or pieces, A B, of boards or similar material, and these are joined together by several cross-bars, C D E, which are fastened out of the central line of the sides or supports and between that line and the top.

Upon the outer cross-bars, D and E, are secured a series of pins or hooks, F, projecting outwardly and downwardly. These pins and hooks F may be variously constructed and secured to the cross-pieces in different ways. In Fig. 1 they are shown as pins driven through the cross-bars at an angle, and the projecting ends may be straight or turned up to form a sort of hook, as shown at *f*.

If it is intended to use the reels for various kinds and sizes of fringes or other articles, it is desirable to have the pins adjustable upon the cross-bar, so that the distance between them may be regulated, and then an inclined slot, G, Fig. 4, may be formed in the outer cross-bars, into which the pins are inserted and in which they fit snugly, so as not to be liable to fall out, but still to be easily adjusted therein. Another way is to form the cross-bars of an angular cross-section and to provide the pins with eyes H, Fig. 5, which are adapted to fit over the angular bars and to slide longitudinally thereon, but not to turn.

In any construction the article to be reeled is first fastened on one of the pins and is then carried back and forth and fastened to or passed around the successive pins until the reel is filled, forming a row of parallel layers separated from each other at proper distances. As most of the articles to be reeled are composed of a solid woven heading or binder with a loose pendent skirt, the heading may be secured to the pins or hooks by passing them through the heading or by folding the heading or binder around them without the least injury, and as the articles also vary in thickness the distance between the various layers may be properly spaced, so that the articles preserve a natural vertical position and are in good position for display or packing or storing.

The reel is easily filled, and the distance be-

tween the outer cross-bars being of a standard length, the amount of the article upon the reel is quickly determined.

5 The cross-bar C, being intermediate of the other bars of the reel, forms a convenient handle to lift the reel, and it may be easily placed in a box, I, or other receptacle, and taken therefrom, the fringe being always preserved in its pendent position and kept from contact with
10 objectionable objects, and at the same time no space is lost, as as much fringe or other articles may be supported from the hooks as can be properly packed in the designated space.

15 The reels may be made of various sizes and shapes without departing from my invention to adapt them to the various articles to be reeled, and the side pieces may be cut away, as shown in dotted lines, Fig. 1, so that the supports will be in the form of legs, and they
20 will always preserve the articles in their original condition in a compact and convenient form.

It is evident that various modifications may be made in the details of construction of the
25 reel without departing from my invention—for instance, the cross-bars may be fastened to the sides, so as to be flush with upper edges thereof, being mortised or dovetailed therein, if desired. The corners of the sides may be
30 chamfered or cut away, as shown at dotted lines, Fig. 1, so that the reel may be more readily placed in the box. The sides may be made of binders' board, two pieces of thin wood or veneer placed cross-grained, or other
35 desirable material.

I am aware of Patent No. 286,697, and make no claim to the invention set forth and claimed therein.

What I claim is—

1. A reel consisting of side supports and 40 cross-pieces arranged between the side supports out of the central line, and adapted to support the fringe in a pendent position and keep it from contact with objectionable matter, substantially as described. 45

2. A reel consisting of side supports connected by cross-pieces arranged out of the central line, said cross-pieces being provided with pins or hooks, and adapted to support the fringe in its normal position without contact 50 with objectionable matter, substantially as described.

3. The combination, in a reel, of the side supports and cross-pieces therefor, and pins or hooks arranged adjustably upon said cross- 55 pieces, substantially as described.

4. A reel consisting of the supports A B, joined by cross-pieces D E, provided with pins projecting diagonally downward and outward therefrom, and a central cross-piece, C, adapted to form a handle for the reel, substantially 60 as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES ROTHENGATTER.

Witnesses:

H. A. CABLES,
WILLIAM S. TOLAND.