

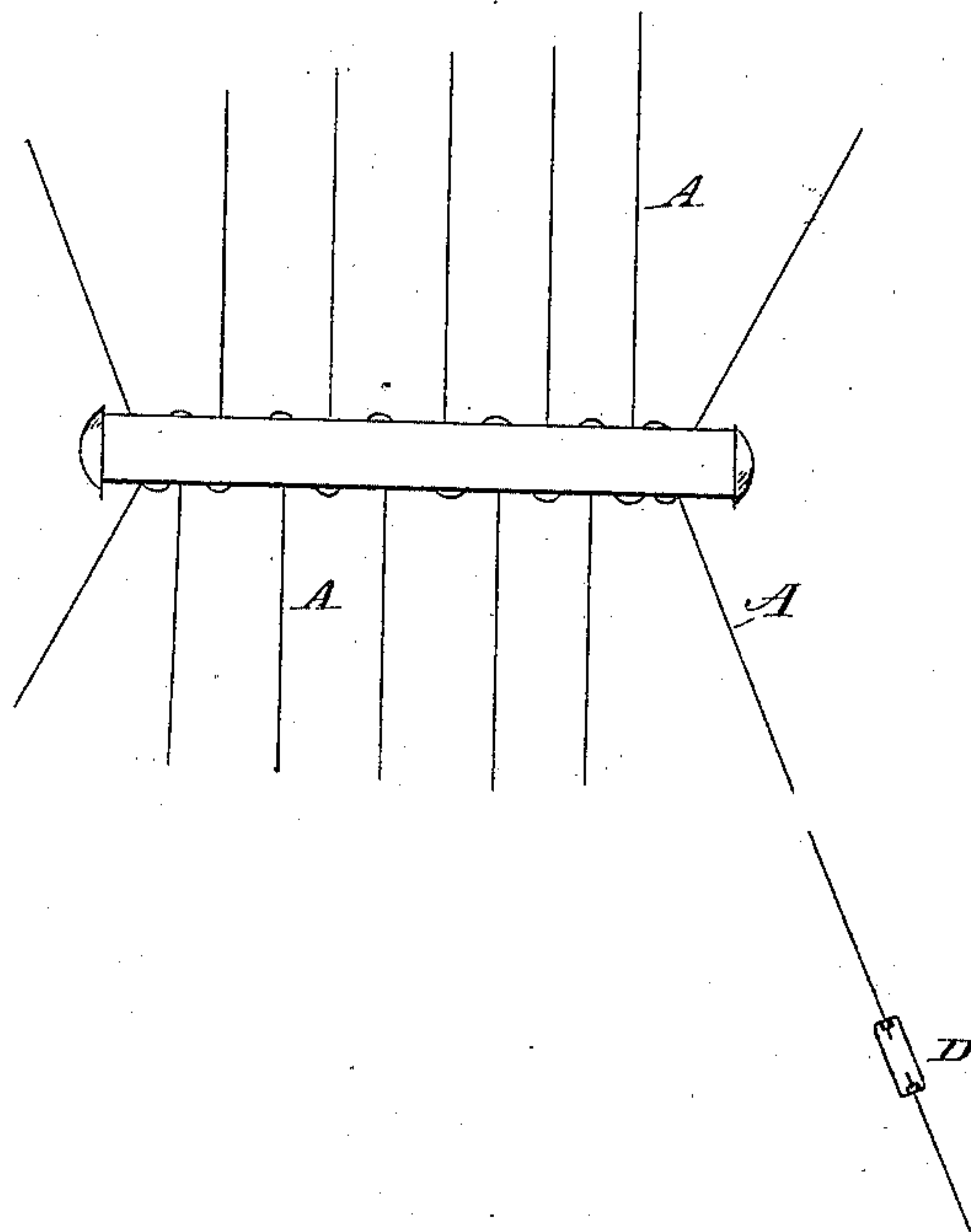
(No Model.)

B. A. OSGOOD.  
CASH CAR SYSTEM.

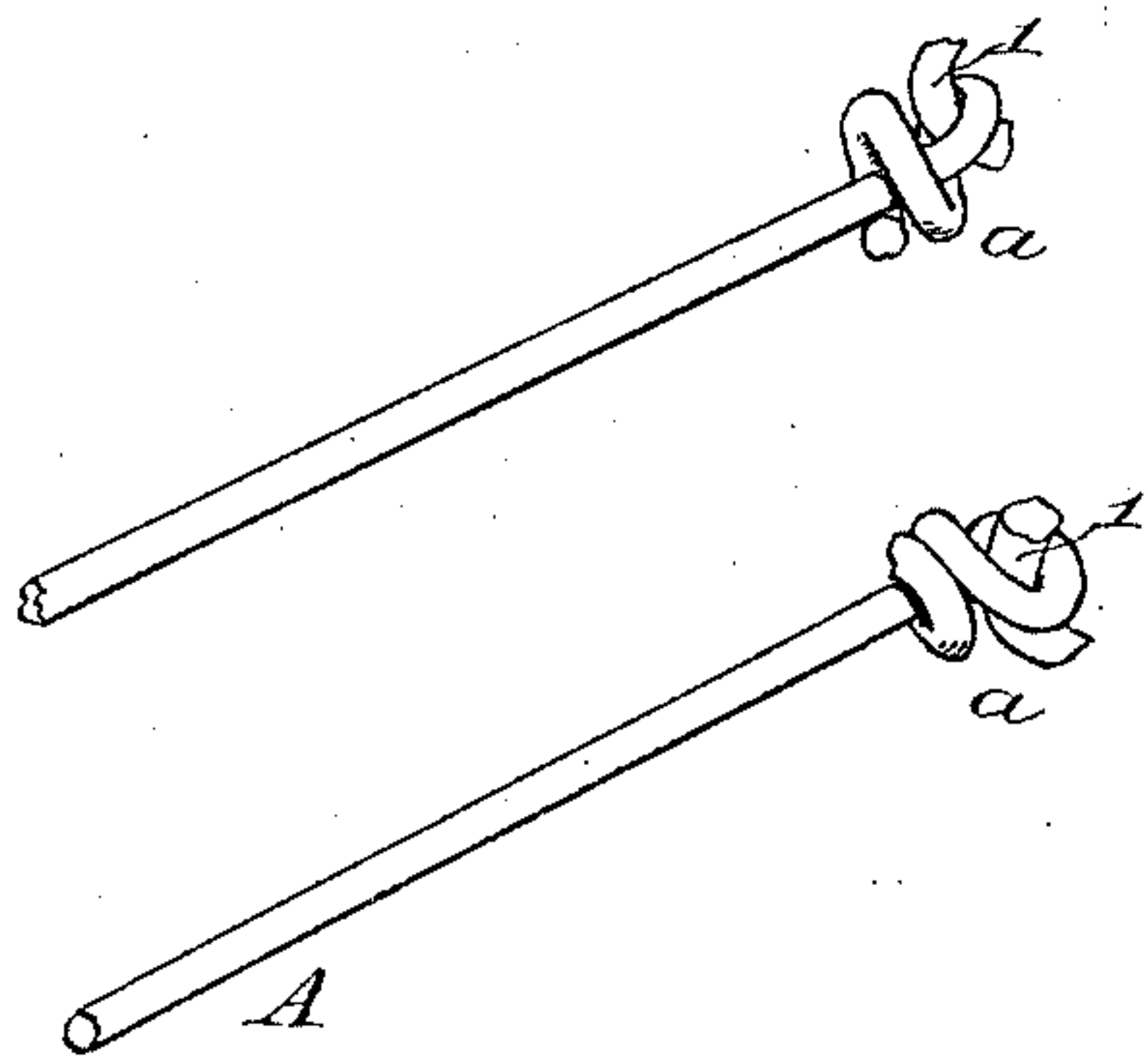
No. 283,917.

Patented Aug. 28, 1883.

*Fig. 1.*



*Fig. 2.*



*Attest:*  
*L. W. Lutz*  
*& E. Middleton*

*Inventor:*  
*Byron A. Osgood*  
*by Joyce & Spear*  
*Attorneys.*

# UNITED STATES PATENT OFFICE.

BYRON A. OSGOOD, OF BOSTON, ASSIGNOR OF ONE-HALF TO EDWIN P. OSGOOD, OF MALDEN, MASSACHUSETTS.

## CASH-CAR SYSTEM.

SPECIFICATION forming part of Letters Patent No. 283,917, dated August 28, 1883.

Application filed July 30, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, BYRON A. OSGOOD, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Cash-Car Systems; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention is an improvement in cash-car systems in which wires are used, stretched between fixed supports in substantially horizontal position for the purpose of carrying suspended cars, which may be pushed from point to point, as the user may require.

My invention relates more particularly to the support of the wires at or near the cashier's desk, or other position where the wires converge and terminate.

The object of the invention is to simplify the construction of the devices heretofore used for this purpose, and at the same time provide a secure fastening and support for the wires.

In the accompanying drawings, Figure 1 shows a plan view of the converging ends of the wires and their supporting-bar. Fig. 2 shows details of the end of the wire.

The wires are shown at A and are of ordinary construction. One of them is shown as tightened with a buckle, D.

In the cash-car systems heretofore devised and used by me, the wires have been supported at or near the cashier's desk or at their central terminus upon a ring suspended in proper position. The wires are connected to said ring by passing through it where they are held by suitable nut or other straining mechanism, whereby the wires are held under proper tension. This brings the straining mechanism in view and involves considerable detail of construction.

As represented in the drawings, I provide a simple cylinder or bar, of either wood or metal, in which holes are formed passing entirely through the bar from side to side either at right angles to its right or at any inclination which the wires may have. When the bar is in place, it is suspended in any conven-

ient manner, and the holes are in horizontal position. The wires are passed through and tied with a knot, *a*, at the end, as shown in Fig. 2. This knot is preferably formed by twisting the end of the wire back upon itself, leaving a small loop, through which a piece of wire is put, as shown at 1. This prevents the wire from being drawn through the bar, as the hole is only large enough for the passage of the wire. Preferably a countersink is made at each hole for receiving the knot, and an ornamental disk or cover may be put over the knot to hide it and to give the bar a finished appearance. Strain is put upon the wires by means of a turn-buckle or any convenient device applied at the other end of the wire near the wall.

I do not confine myself to the method shown of forming the knot. I find by this device that the wires may be very readily put up, and the device at the cashier's desk is very simple and ornamental.

I do not limit myself to the form of the bar, which may be cylindrical or any convenient shape.

I claim as my invention—

1. In a cash-car system, a suspended bar having holes to receive the wires, in combination with the wires passing through said holes and formed with a knot, and also in combination with the straining device at the other end of the wires, whereby they are held under tension, substantially as described.

2. The combination of the bar suspended as described, perforated horizontally to receive the wires, with the wires having their ends passing through the supporting-bar, and provided with knots fitting in countersink in the bar and having ornamental covering, substantially as described.

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

BYRON A. OSGOOD.

Witnesses:

L. F. MONTGOMERY,  
E. O. HOWARD.