

I. E. PALMER.
Coil-Holders for Wire, &c.

No. 143,376.

Patented September 30, 1873.

Fig:1

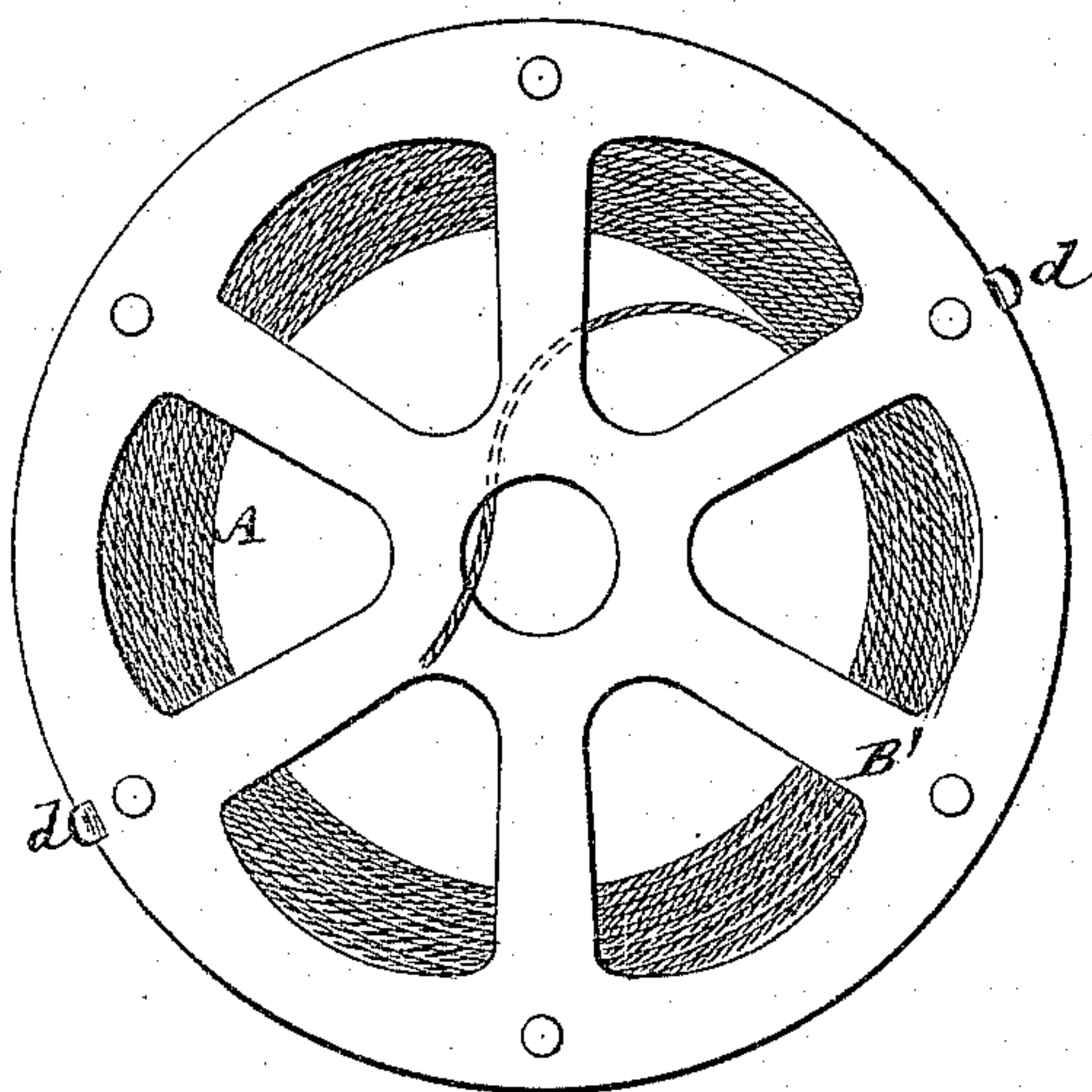
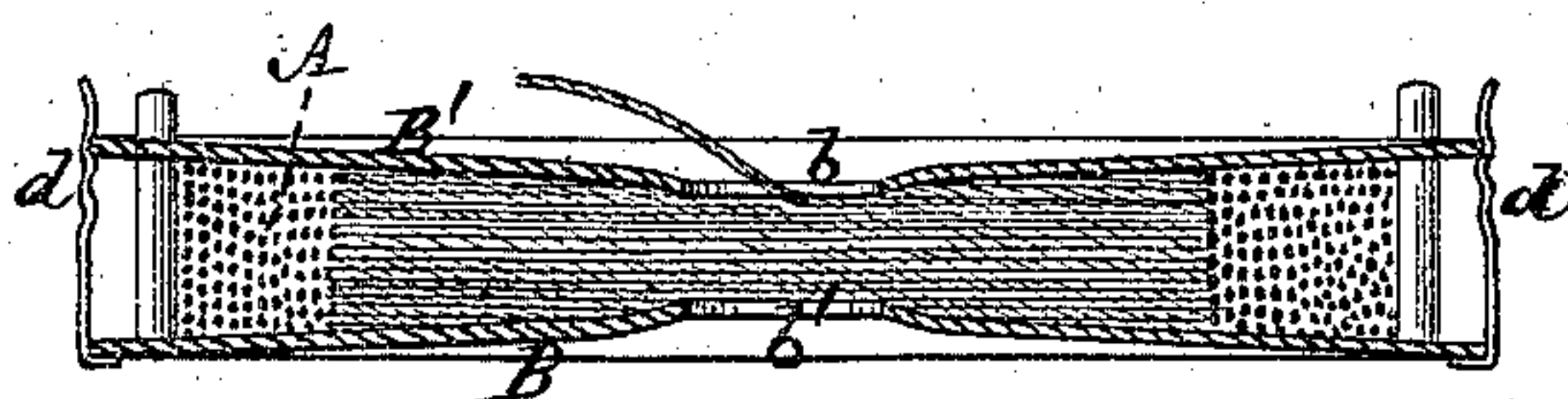


Fig:2



Witnesses:
Fred Haynes
David Muell

Isaac E. Palmer
by his Attorneys
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UNITED STATES PATENT OFFICE.

ISAAC E. PALMER, OF HACKENSACK, NEW JERSEY.

IMPROVEMENT IN COIL-HOLDERS FOR WIRE, &c.

Specification forming part of Letters Patent No. **143,376**, dated September 30, 1873; application filed March 24, 1873.

To all whom it may concern:

Be it known that I, ISAAC E. PALMER, of Hackensack, in the county of Bergen and State of New Jersey, have invented a new and useful Coil-Holder for Wire Cord and other Materials, of which the following is a specification:

This invention consists in a novel construction of holder for wire or other stiff cord put up in coil, with facility for said material being unwound and drawn or measured out from the center of the holder, without any liability of entanglement by the coils turning over or dropping in the center.

In the accompanying drawing, which forms part of this specification, Figure 1 represents a face view, and Fig. 2 a central transverse section, of my newly-invented coil-holder with a coil of wire cord therein, and as being drawn out from the center thereof.

Similar letters of reference indicate corresponding parts.

This holder, which is of circular form, or otherwise constructed to receive and support or hold within it a coil, A, of wire cord, is composed of two sections, heads, or disks, B B', arranged at a suitable distance apart, according to the depth or thickness of the coil, and which are, preferably, adjustable in relation with each other to suit different thicknesses of coil, and to provide for a close hold of the latter as the same is reduced by being drawn out through a central eye, *b*, in either disk. To this end the one coil-holder section or disk may be fitted to be movable along guides carried by the other section, and, when adjusted, be held by notched spring-catches *d d*, or oth-

erwise. Such means also afford every facility, on removal of the one section, head, or disk, for entering the coil within the holder. Either disk B B' is made inclining, or with a dip toward its center, for the purpose of more perfectly holding the loose cord and preventing the coils from turning over or becoming entangled when drawing or measuring out the wire through the open central eye *b* of the disk. A coil-holder thus constructed gives the same facility for measuring off wire or stiff cord incapable of being balled as is afforded by holders of twine, which latter, being balled, holds itself in the order it has been wound while being drawn or measured out from the center of its holder, and consequently is not as liable to become entangled as a loose coil of wire or stiff cord, which is apt to turn over and drop in the center, so that it is difficult to measure off wire or stiff cord from a coil; but by means of a coil-holder as herein described this difficulty is entirely overcome.

What is here claimed, and desired to be secured by Letters Patent, is—

1. A coil-holder composed of sections or disks B B', constructed and arranged to support and hold the coil in between them, and provided with central eyes *b b*, substantially as and for the purposes herein set forth.

2. A coil-holder having its sections, heads, or disks B B' adjustable in relation with each other, essentially as herein set forth.

ISAAC E. PALMER.

Witnesses:

MICHAEL RYAN,
FRED. HAYNES.