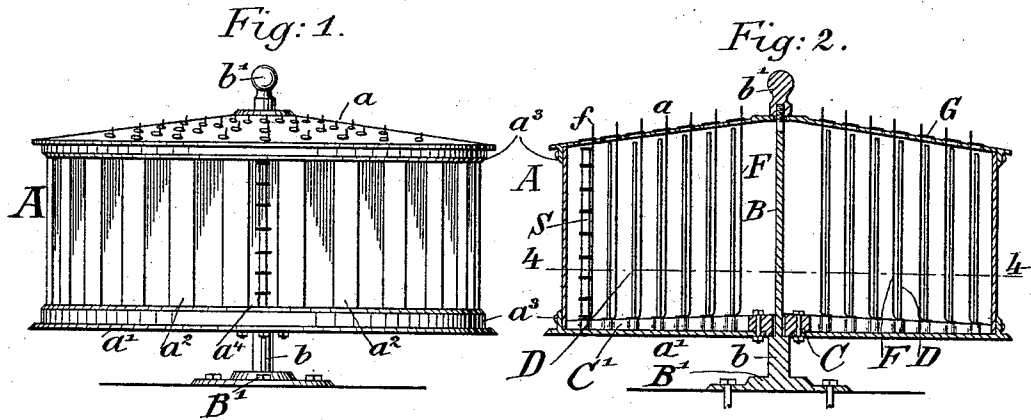
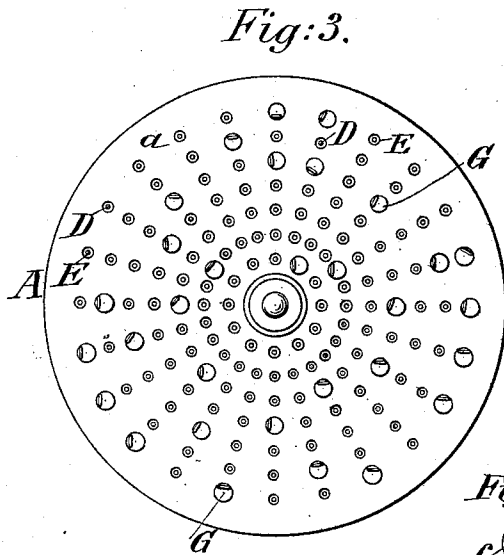
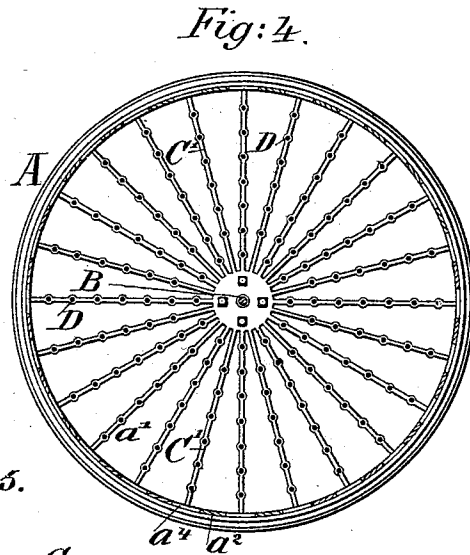
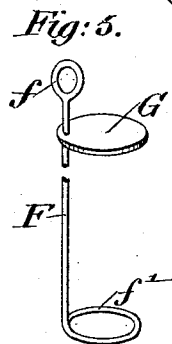


(No Model.)

G. RICHBERGER.
SPOOL CABINET.

No. 529,081.

Patented Nov. 13, 1894.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE RICHBERGER, OF CLARKSDALE, MISSISSIPPI.

SPOOL-CABINET.

SPECIFICATION forming part of Letters Patent No. 529,081, dated November 13, 1894.

Application filed June 20, 1894. Serial No. 515,136. (No model.)

To all whom it may concern:

Be it known that I, GEORGE RICHBERGER, a citizen of the United States, residing in Clarksdale, Coahoma county, in the State of Mississippi, have invented certain new and useful Improvements in Spool-Cabinets, of which the following is a specification.

The object of this invention is to provide a cabinet for the reception of spools of thread or silk, by which the contents of the cabinet can be displayed and by which the spools are permitted to be readily removed for the purpose of sale or closer inspection.

Further objects of the invention are to provide a simple, ornate and convenient cabinet for the display of spools containing silk or other thread.

My invention consists of a rotary case, which turns on a vertical spindle provided with suitable means for mounting the cabinet on a counter or other suitable support and wires projecting from the bottom of the case and extending toward the top, and there registering with suitable openings, through which the spools are inserted so as to be passed onto wires. Lifting-wires are extended through the openings in the top of the case and are constructed at their lower ends with loops which pass over the spool-wires and are adapted to engage the lowermost spools, so as to raise the uppermost spool through the openings when the lifting-wires are elevated by their upper ends, which ends project through the top openings. Attached to the lifting-wires are covers of suitable form which close the openings in the top of the case when the lifting-wires are in their lowermost position, so as to exclude dust and dirt from the interior of the case. For the purpose of enabling a view of the interior of the case, the same is constructed with exterior windows.

My invention further consists of certain details of construction and combinations of parts to be hereinafter described and then claimed.

In the accompanying drawings, Figure 1 is a side elevation of my improved spool-cabinet. Fig. 2 is a vertical central-section of the cabinet. Fig. 3 is a plan view of the same, a few of the lifting-wires and covers only, being shown. Fig. 4 is a horizontal section on

the line 4—4, of Fig. 2, and Fig. 5 is a detail perspective view of one of the lifting wires showing a cover attached thereto.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents a circular rotary case which is constructed with a top *a* and a bottom *a'* and with an exterior frame formed of vertical wooden strips *a²* which are securely fastened to flanges *a³* located on the contiguous surfaces of the top *a* and bottom *a'*. Said strips are separated by spaces in which are arranged strips of glass so that the strips of wood alternate with the strips of glass, and a viewing of the interior case permitted by the strips of glass. The rotary case is mounted to turn on an axial spindle B, which at its lower end is provided with an enlargement *b* forming a shoulder upon which the case rests. A knob *b'* is screwed onto the upper end of the spindle to hold the case A thereon. The spindle B is mounted upon a base-plate B' which is provided with suitable holes for receiving screws whereby the cabinet may be mounted upon and attached to a counter or other support. Upon the bottom of the case is secured a spider-frame which is composed of a hub C, which is set in the central opening of the bottom of the case and takes the wear imparted by the enlargement *b* and of arms C' which radiate from said hub and extend along the bottom of the case toward the exterior frame thereof. This spider-frame C' is metallic and the arms thereof are provided with screw-threaded holes in which are screwed the lower ends of a number of vertical spool-wires D, arranged from the center to the exterior frame of the case. The upper ends of the wires terminate at and register with circular openings E formed in the top of the case so that spools of thread such as S may be inserted through the openings and passed onto the spool-wires. Lifting-wires F provided with handles *f* at their upper ends and with loops *f'* at their lower ends extend through the openings in the top of the case and the loops thereof are adapted to pass over the vertical spool-wires, so that the spools which are arranged upon the spool-wires may be elevated through the top openings when the lifting-wires are raised, the

loops of said lifting-wires being of course first placed over the spool-wires before the spools are arranged thereon.

Attached to the lifting-wires near their handle-ends are covers or disks G which are larger than the openings in the top of the cases so that when the lifting-wires are lowered to their fullest extent, said covers may extend over the openings and cover the same to exclude dust and dirt from the case.

Fig. 3 does not show all the openings covered but in practice such is the intention.

By means of this cabinet a very convenient device is provided in which spools of thread of different colors and different sizes may be arranged on the receiving wires, the full capacity of the case being utilized for that purpose. By printing upon the covers or disks of the top openings, the colors and sizes of the spools of thread arranged upon the wires located below the respective covers, the salesman is enabled to quickly determine which lifting-wire is to be raised, so that when a purchaser desires a spool of a certain color or size, the salesman glances at the top of the case, quickly finds out the spool and raises the corresponding lifting-wire so that the uppermost spool is brought through the top opening. When the spool has been removed, the salesman releases his hold on the lifting-wire and the same with the spools upheld thereby are lowered by their own weight into the case, and the cover attached to the lifting-wire closes the corresponding opening.

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

1. In a spool-cabinet, the combination, with a spindle provided with a suitable base, of a rotary case provided with spool-wires extending upwardly from the bottom of the same, said case having in its top openings

with which the free ends of the wires register, and lifting devices extending through said openings alongside of said wires and provided with means at their lower ends whereby they are adapted to engage the lowermost spools for raising the uppermost spools through the top openings, substantially as set forth.

2. In a spool-cabinet, the combination with a spindle provided with a suitable base, of a rotary case mounted to turn on said spindle and provided with vertical wires extending from its bottom and registering with openings in the top of the case, and lifting-wires extending through said openings and adapted to engage the lowermost spools for raising the spools through said openings, and covers attached to said lifting-wires and adapted to extend over and close said openings, substantially as set forth.

3. In a spool-cabinet, the combination with a spindle provided with a suitable base, of a rotary case mounted to turn on said spindle and provided with spool-wires extending upwardly from its bottom and registering with openings in the top of the case, lifting-wires extending through said openings and provided with loops extending over said wires and with handles at their upper ends, the said loops being adapted to engage the lowermost spools on the wires for raising the spools through the openings, and covers attached to said wires and adapted to extend over and close said openings, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

GEO. RICHBERGER.

Witnesses:

AL. WESTMAN,
JNO. S. BUTT.