

A. C. PHILLIPS.
SHOW CASE FOR SPOOL THREADS.

No. 112,277.

Patented Feb. 28, 1871.

Fig. 3.

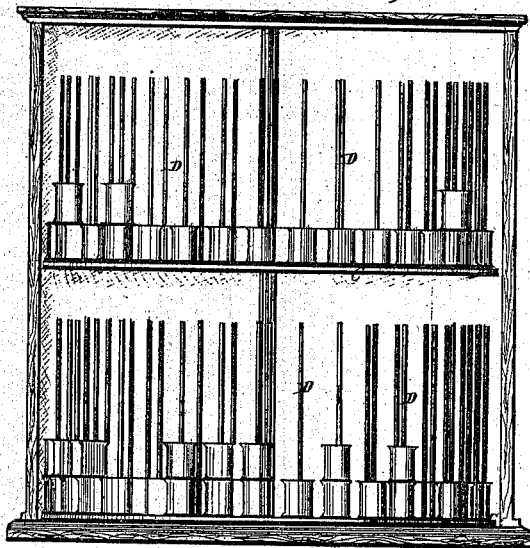


Fig. 1.

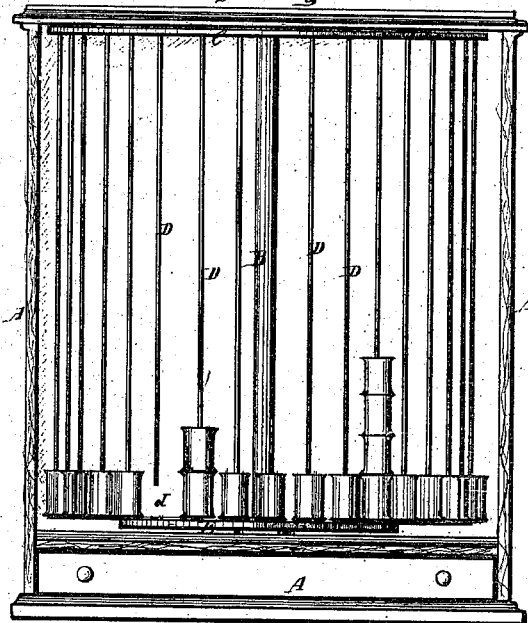


Fig. 4.

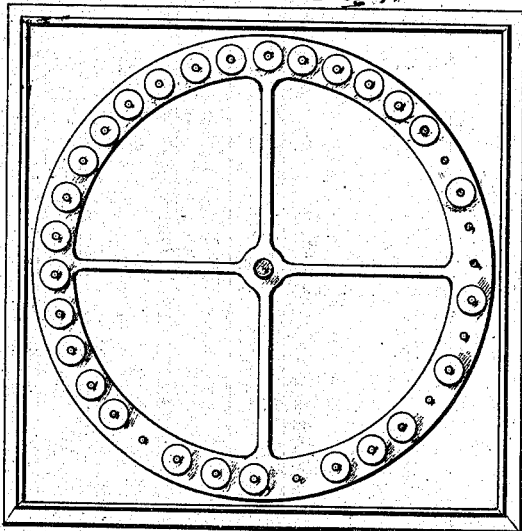
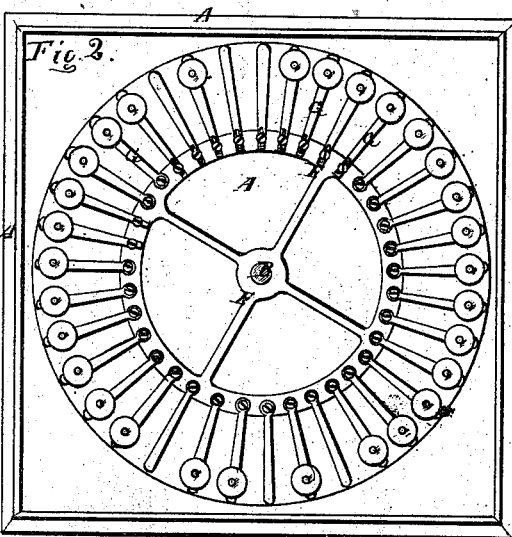


Fig. 2.



Witnesses:
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ALEXANDER C. PHILLIPS, OF CHICAGO, ILLINOIS.

Letters Patent No. 112,277, dated February 28, 1871.

IMPROVEMENT IN SHOW-CASES FOR SPOOL-THREADS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ALEXANDER C. PHILLIPS, of Chicago, in the county of Cook and State of Illinois, have invented certain Improvements in Cases for Spool-Thread; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing which forms part of this specification, and in which—

Figure 1 is a front elevation of a case for spool-thread, made in accordance with my invention.

Figure 2 is a plan view of fig. 1, the top or cover being removed.

Figure 3 is a front elevation of a modification of my invention.

Figure 4 is a plan view of fig. 3, the top or cover being removed.

General Description.

My invention relates to a case for containing spool-thread, which is made with a glass front, and which case incloses a reel or revolving upright cage of vertical wires, upon which wires are placed or threaded, so to speak, the spools.

Spools of various colored thread may be placed in this case, and the colors separated by arranging all of one hue upon a single wire.

This forms a very convenient case for merchants and dealers who desire to exhibit the thread; a spool of any particular size or color may be selected and taken from the case at once, and without any search.

To enable those skilled in the art to make and use my invention, I will proceed to describe the same with particularity, making reference, in so doing, to the aforesaid drawing.

A is a substantial cabinet or case, with the front of glass, or it may have all four of its sides glazed.

B is a vertical shaft, with bearings at top and bottom of the case A.

This shaft carries at the top a horizontal plate or wheel, C, which is preferably of a diameter nearly as large as the interior of the case.

A number of wires, D, are attached to the wheel C, and depend vertically therefrom, extending to within a short distance of the bottom of the case, as

will more clearly appear by reference to fig. 1 of the drawing.

The shaft B carries at bottom a second wheel or plate, E, of a smaller diameter than the wheel C, and from this latter wheel E projects a series of horizontal radial spring-arms, G, corresponding in number to the wires D, and so arranged that the outer ends of the springs come directly under said wires. There is, however, a small space left between said springs and wires, as shown at *d*.

The spools are placed upon the reel by depressing the springs, and threading the spools one at a time upon the wire.

It may be found convenient in placing the spools, to invert the case, so that the spools as fast as threaded will fall to the top of the wires.

The spools may be readily removed by depressing the spring under any desired particular wire, when the weight of the spool will cause it to fall into the hand.

When in position, the weight of the spools rests upon the springs G, which hold them upon the wires.

Figs. 3 and 4 of the drawing, as above stated, exhibit a modification of my invention, in which one or more horizontal wheels *e*, are carried upon the vertical shaft B.

The wires D are in this instance attached, at their lower ends, and the spools are placed upon said wires by simply slipping them upon the wires at the upper ends thereof, which are free for that purpose.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent, is—

1. The combination of a glazed inclosing-case and a revolving reel of vertical wires, as and for the purpose specified and shown.

2. The combination of the vertical shaft B, carrying wheels C and E, with the wires D and springs G, substantially as described and shown, and for the purpose specified.

ALEXANDER C. PHILLIPS.

Witnesses:

J. W. MUNDAY,
HEINR. F. BRUNS.