

(No Model.)

C. M. CURRIER.

BOBBIN.

No. 344,770.

Patented June 29, 1886.

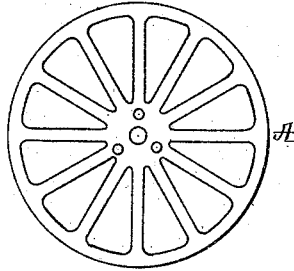


Fig. 2.

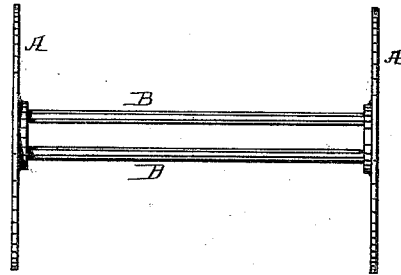


Fig. 1.

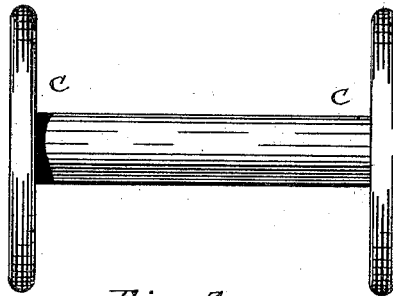


Fig. 3.

Witnesses:

Dayton W. Doyle
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Atty.

UNITED STATES PATENT OFFICE.

CHARLES M. CURRIER, OF PENINSULA, ASSIGNOR OF TWO-THIRDS TO GEORGE TOD FORD, OF AKRON, AND WILSON H. PIXLEY, OF PENINSULA, OHIO.

BOBBIN.

SPECIFICATION forming part of Letters Patent No. 344,770, dated June 29, 1886.

Application filed April 16, 1886. Serial No. 199,094. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. CURRIER, a citizen of the United States, and a resident of Peninsula, in the county of Summit and State of Ohio, have invented a new and useful Improvement in Bobbins, of which the following is a specification.

My invention has relation to improvements in spools or bobbins used in the manufacture of twine and cordage. Heretofore these bobbins have been constructed of wood, and have consisted of a wood core with flanges at each end consisting of two disks of wood with the wood-grain placed crosswise, and connected by glue or nails. This construction is objectionable because of the original expense, the liability of the flanges to warp and split, and because they become by use soon broken and useless.

The object of my invention is to overcome these objections.

My invention consists of the spool or bobbin illustrated in the accompanying drawings, and hereinafter described, and specifically claimed.

In the accompanying drawings, Figure 1 is an elevation of the metallic frame-work of my improved bobbin; Fig. 2, an end elevation of Fig. 1, and Fig. 3 an elevation of the complete bobbin.

The metallic frame-work consists of two perforated metallic disks, A A, preferably of malleable iron, although they may be of rolled sheet iron, the essential requisites being lightness, strength, and resistance to fracture from a sudden blow. These disks, which constitute the foundation for the bobbin flanges, are united by iron rods B, usually three in number, as shown, which form a base for the bobbin-barrel. The metallic foundation thus formed is then covered with a coating of compressed macerated wood or paper-pulp, which gives a firm smooth surface, which will neither break nor grow rough with use.

I claim—

A bobbin having a foundation consisting of two perforated disks of malleable or sheet iron united by iron rods, and having applied thereto a covering of compressed macerated pulp, substantially as and for the purpose hereinbefore set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 26th day of March, A. D. 1886.

CHARLES M. CURRIER.

Witnesses:

WILSON H. PIXLEY,

WILLIAM W. WHITNEY.