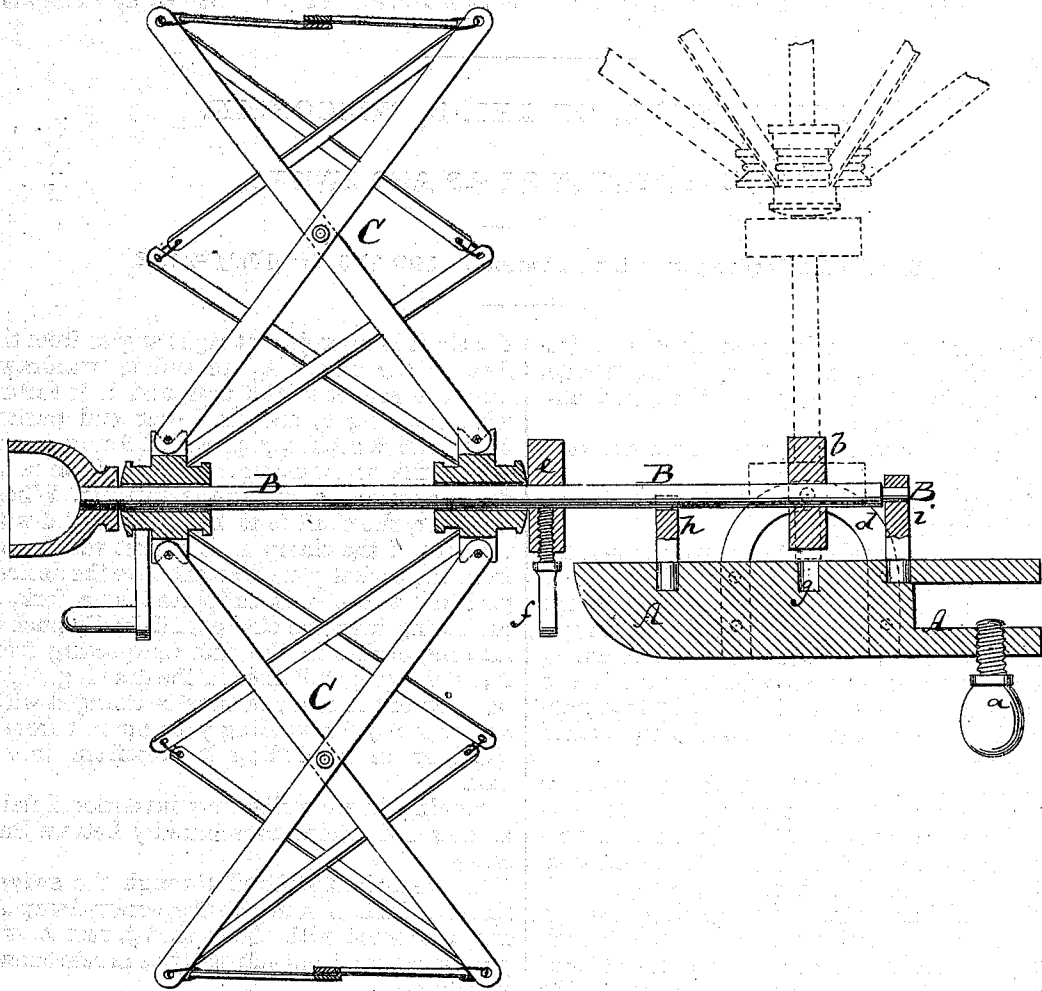


L. WEINS.

Improvement in Reels and Swifts.

No. 129,770.

Patented July 23, 1872.



Witnesses:

E. Woffy
N. A. Graham

Inventor:

L. Weins.

PER

Wm. H. ...
Attorneys.

UNITED STATES PATENT OFFICE.

LOUIS WEINS, OF RHINE, WISCONSIN.

IMPROVEMENT IN REELS AND SWIFTS.

Specification forming part of Letters Patent No. 129,770, dated July 23, 1872.

Specification describing a new and Improved Yarn-Reel, invented by LOUIS WEINS, of Rhine, in the county of Sheboygan and State of Wisconsin.

The drawing represents a sectional side view of my improved yarn-reel.

Similar letters of reference indicate corresponding parts.

This invention relates to a new arrangement of yarn-reel, which can be placed in a horizontal or vertical position, according to the purposes for which it is intended. The invention consists in such a new manner of fitting the shaft through a swivel-ring that it can with said ring be swung into the desired position, there to be fastened in sockets provided for its reception.

A in the drawing represents the screw-clamp or base for holding the yarn-reel. It is of suitable shape and size, and forked and provided with a screw, *a*, so that it can be conveniently fastened to a suitable support. B is, the reel-shaft, fitted through a ring, *b*, which is by means of projecting trunnion-like pins, swiveled in ears *d* that project at the sides of the screw-clamp A. The shaft B carries the adjustable jointed reel C and a sliding sleeve, *e*, and screw *f*, for securing it in any desired position to which it may be moved, expanding the reel more or less diametrically. When

the shaft is to project at right angles from the face of the clamp A, its end is withdrawn from the socket in the arm, and it is turned with the ring *b*, and its lower end pushed down into a socket, *g*, provided for its reception in the screw-clamp. This position is indicated by dotted lines in the drawing. When, however, the shaft is to be held parallel with the face of the clamp A, it is first withdrawn from the socket *g*, next swung into the desired position, where it is supported by a fork, *h*, projecting from the clamp, and finally pushed into the socket in the arm *i* projecting from A, as shown by full lines in the drawing. The position of the reel can thus be changed without difficulty for winding yarn upon it from a spool, or for unwinding it therefrom onto a ball.

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

The reel-shaft B fitted through the swivel-ring *b*, which is hung to the screw-clamp A, and combined with the socket *g*, rest *h*, and projecting arm *i*, substantially as herein shown and described.

LOUIS WEINS.

Witnesses:

FR. HOPPE,
PETER SESSERT.