No. 78,427. PATENTED JUNE 2, 1868.

W. T. CARROLL.

RING FOR SPINNING MACHINES.

Fig. 1.

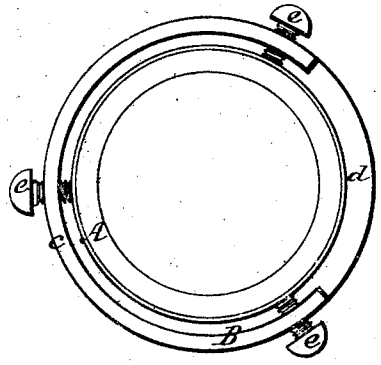


Fig. 3.

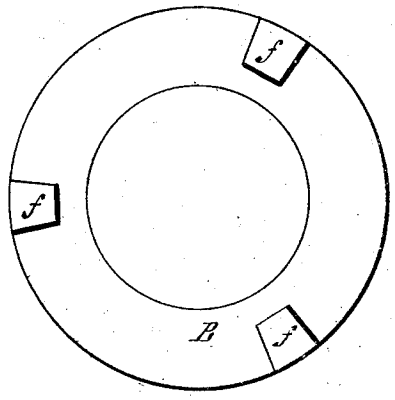


Fig. 2.

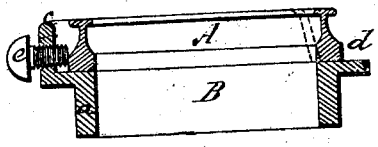
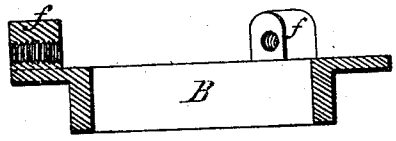


Fig. 4.



Witnesses

S. N. Piper.

J. R. Snow.

Inventor.

Wm. T. Carroll

by his Attorney

R. H. Eddy.

THE ECKERT LITHOGRAPHING CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM T. CARROLL, OF MEDWAY, MASSACHUSETTS.

IMPROVEMENT IN RINGS FOR SPINNING-MACHINE.

Specification forming part of Letters Patent No. 78,427, dated June 2, 1868.

To all whom it may concern:

Be it known that I, WILLIAM T. CARROLL, of Medway, in the county of Norfolk and State of Massachusetts, have made a new and useful invention having reference to Ring and Traveler Spinning-Machines; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view, and Fig. 2 a transverse section, of a ring, and one construction of its supporter, as made in accordance with my invention. Fig. 3 is a top view, and Fig. 4 a transverse section, of a supporter, having a form somewhat different from that shown in Figs. 1 and 2, and still being in accordance with my improvement.

The purpose of my invention is to support the ring, and enable it to be adjusted or centralized with reference to the spindle, when extending through it; also to cleanse the traveler of fibrous collections.

I am aware that the ring has been formed with an eccentric neck, to enter an eccentric annulus or supporter, arranged in a socket or hole made in the ring-rail, the same being so as to enable the ring to be centralized with reference to the spindle, if the latter gets out of its normal position.

In carrying out my invention I employ a ring, without any neck, to enter a hole in the supporter, but simply to rest on the top surface of the supporter, and I extend outward from such surface a flange, to go partially around the ring, and to receive three screws screwed radially through it and against the outer periphery of the ring, such screws being at or about at equal distances asunder. Instead of such flange, there may be three short posts extended up from the supporter, the adjusting-screws being screwed through the said posts.

I am aware that a ring made with a neck to extend into the ring-rail has had adjusting-screws screwed into the rail and against the said neck, the ring being supported on the rail by a shoulder at the junction of the ring and its neck. This mode of arranging the adjusting-screws is very inconvenient for ready access to be had to those at the back of the rail.

In the drawings, A denotes the ring, and B the supporter, the latter being provided with an annular neck, *a*, to enter the socket of the ring-rail. *c* is the flange, raised on the supporter, and extending partially around it, so that there may be an open space, *d*, between the two ends of the flange, such being necessary to enable convenient access to be had to the ring for threading it, and for other purposes. The adjusting-screws *e e e* are screwed through the flange and against the lower part of the outer periphery of the ring.

In Figs. 3 and 4, the supporter B is shown as provided with three posts, *f f f*, into and through which the adjusting-screws are to be screwed.

My improvement, besides effecting advantages as to the adjustment of the ring, also secures that of cleansing the traveler of any fibrous matters which may collect thereon, as, when such fibrous matters are thereon in contact with the ends of the flange, or either of the adjusting-screws, or against either of the posts, such will serve to detach said fibrous matters from the traveler.

My improved construction of the ring enables it to be made at much less expense than when formed with a neck to enter the ring-rail and a shoulder to encompass such neck and rest on such rail.

From the above, it will be seen that I make no claim to constructing a ring with a neck and shoulder, as described, and employing therewith a supporter to receive the neck and enter a socket in and rest upon the ring-rail; nor do I claim arranging screws in a ring-rail and so as to bear against the neck of a ring when in place in a ring-rail.

What I claim as my invention or improvement is as follows:

The combination as well as the arrangement of the flange *c*, or the posts *f* and the adjusting-screws *e*, with the ring A and the supporter B thereof, to be placed on and within the ring-rail, as specified.

WILLIAM T. CARROLL.

Witnesses:
R. H. EDDY,
E. P. HALE, Jr.