

A. J. DANIELS.
Spinning-Rings.

No. 148,040.

Patented March 3, 1874.

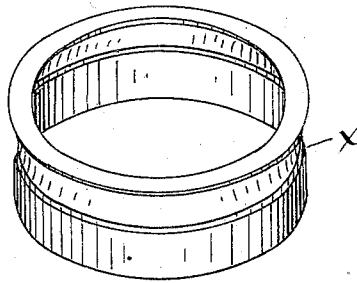


Fig. 1

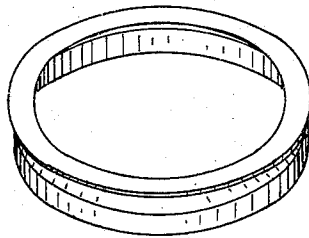


Fig. 2

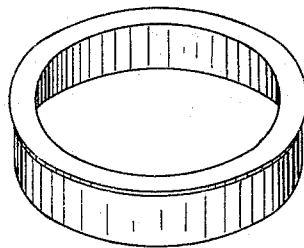


Fig. 3

Witnesses

J. S. Lyon
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UNITED STATES PATENT OFFICE.

ARTHUR J. DANIELS, OF MEDWAY, MASSACHUSETTS.

IMPROVEMENT IN SPINNING-RINGS.

Specification forming part of Letters Patent No. 148,040, dated March 3, 1874; application filed December 18, 1873.

To all whom it may concern:

Be it known that I, ARTHUR J. DANIELS, of Medway, in the county of Norfolk, State of Massachusetts, have invented a certain new and useful Improvement in Spinning-Rings for Ring Spinning-Frames; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a perspective view of my improved spinning-ring. Fig. 2 is a view of the top detached from the holder or base. Fig. 3 is a view of the base detached from the top.

Like letters refer to like parts in the different figures of the drawing.

My improvement relates to that class of rings which are constructed in two parts; and consists in a base and top of a peculiar construction, and united by solder, as hereinafter more fully set forth, the object being to facilitate repairing the ring, and preserve the base when once fitted to the rail.

It is well known to all conversant with the art of cotton-spinning that the rings in ring spinning-frames are soon destroyed by the action of the traveler, and frequently become injured from various causes, rendering them unfitted to perform good work. In repairing such rings, it has in some cases been necessary to throw away nearly all of those having much worn or badly-damaged races or tops, resulting in great pecuniary loss, and other disadvantages, as, when a ring is once perfectly fitted to the rail, it is of great importance not to change it for another when it can be avoided, the difficulties in that respect being obvious to all conversant with the subject of ring spinning.

I construct my improved ring in two parts,

as exhibited, respectively, in Figs. 2 and 3, and join the parts together firmly by means of ordinary soft solder, as shown at *x*, Fig. 1. This construction enables me to repair a ring, however badly worn, and preserve the part fitted to the rail or the base, as all that is necessary in such case is to heat the ring slightly, when the solder will be melted, and allow the two sections to separate. A new top or ring can then be united to the old base by means of solder, as in the first instance. The base, being already fitted to the rail of the frame, can be returned to its position therein after being repaired, as aforesaid, without the necessity of refitting.

In the construction of my improved ring, the upper part of the base is formed with a smooth face, and the lower part of the top or race with a similar face, so that when these faces are tinned or covered with a light coating of solder they can be very easily united or separated, as required, by slightly heating the parts.

I am aware that a spinning-ring has been made in two parts, and therefore do not claim the same broadly. I am also aware that a spinning-ring, in which the collar is fitted in a rabbet in the base, and secured by solder, is old, and therefore do not claim such a ring; but

What I claim is—

A spinning-ring in two parts, constructed as described, the faces of which are united by solder, substantially as and for the purpose specified.

ARTHUR J. DANIELS.

Witnesses:

JAMES H. WOOD,
H. E. METCALF.