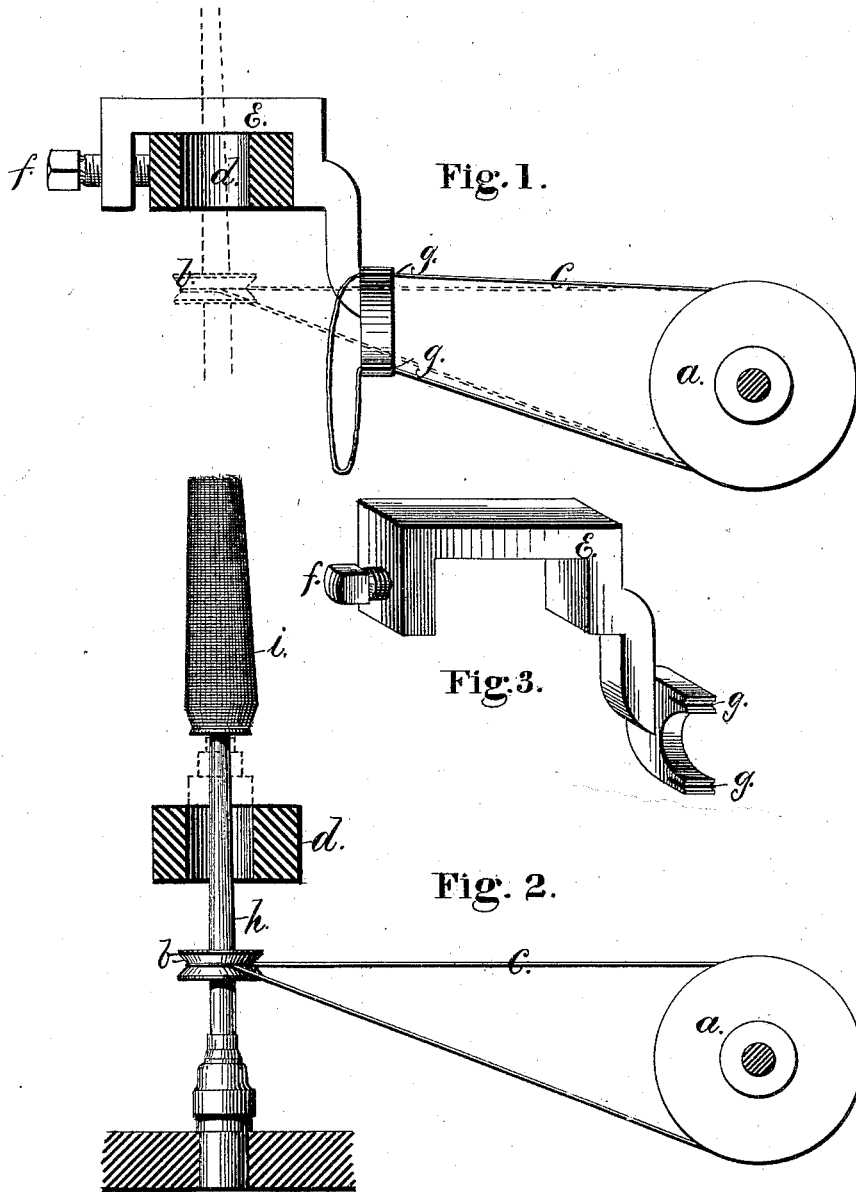


C. E. HERRICK.  
Spindle-Band Holder for Spinning-Machines.

No. 212,933

Patented Mar. 4, 1879.



WITNESSES.

*Edward Morris*

*A. McPherson*

INVENTOR.

*Charles Edward Herrick*

*by Joseph A. Miller*  
*Attorney*

# UNITED STATES PATENT OFFICE.

CHARLES E. HERRICK, OF SPRINGFIELD, MASSACHUSETTS.

## IMPROVEMENT IN SPINDLE-BAND HOLDERS FOR SPINNING-MACHINES.

Specification forming part of Letters Patent No. **212,933**, dated March 4, 1879; application filed November 16, 1877.

*To all whom it may concern:*

Be it known that I, CHARLES EDWARD HERRICK, of Springfield, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in Spindle-Band Holders for Securing Bands in Spinning-Machines; and I hereby declare that the following is a full, clear, and exact description of the same, which will enable others skilled in the art to make and use it, reference being had to the accompanying drawings, forming part of this specification.

The invention consists in the improved tool, designed to be used in that class of spinning-machines in which each spindle is driven by a separate band, by which the driving-band is firmly held, and which allows of the splicing, shortening, or replacing of a band on any one spindle of a frame without stopping the others.

Figure 1 represents the portable band-holder, secured to the bolster-rail of a spinning-frame, and arranged to hold the band in the position shown in solid lines. It also shows the band placed on the whirl in broken lines. Fig. 2 represents the band when turning the spindle. Fig. 3 is a perspective view of the improved portable band-holder.

In the drawings, *a* is the driving-cylinder; *b*, the whirl on the spindle; *c*, the driving-band; *d*, the bolster-rail of a spinning or twisting frame; *e*, the portable tool for holding the band while the same is being spliced or adjusted; *f*, a screw for securing the band-holder to the rail; *g g*, clamps for holding the band; *h*, the spindle, and *i* the bobbin.

The drawings show the operation of this device so clearly that but little description is required. It will be seen that the band-holder consists of a metal arm, arranged to fit loosely

over a bolster or other rail of a spinning or twisting frame, and is provided with a set-screw, by which it may be firmly secured to the same. The arm of the device is so shaped that the clamps *g g* will be at, or nearly at, the line of the band when driving the spindle.

The band-holder *e* may, for different kinds of spindles, be arranged so as to be secured to different rails, and extend to the band, so that the same may be readily secured by the holder; and the clamps *g g* may be made as shown, so as to hold the band; or the holder may be provided with one clamp only, which must be arranged to hold that part of the band which leads from the whirl to the cylinder.

By this improved method of securing bands only one spindle is stopped, while all the other spindles of a frame, or from one hundred to one hundred and sixty, may be running, while the band is placed on any one.

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

1. A portable band-holder having a cut-away portion to admit of its being secured to one of the rails of a spinning or twisting frame, and a pendent arm having a clamp or clamps on the lower end thereof to hold the band while the frame is running, as and for the purpose set forth.

2. The combination, with the rail *d*, of the band-holder *e*, provided with the clamp or clamps *g* and the set-screw *f*, substantially as and for the purpose described.

CHARLES EDWARD HERRICK.

Witnesses:

EDWARD MORRIS,  
A. M. COPELAND.