C. K. PEVEY.

Flyer for Spinning.

No. 165,363. Patented July 6, 1875.

Fig. 5

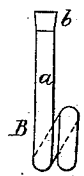


Fig. 4.

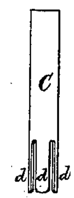


Fig. 3.

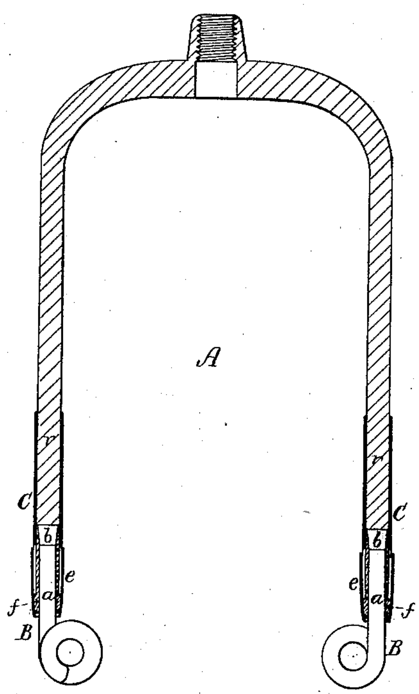


Fig. 2.

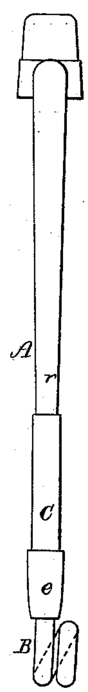
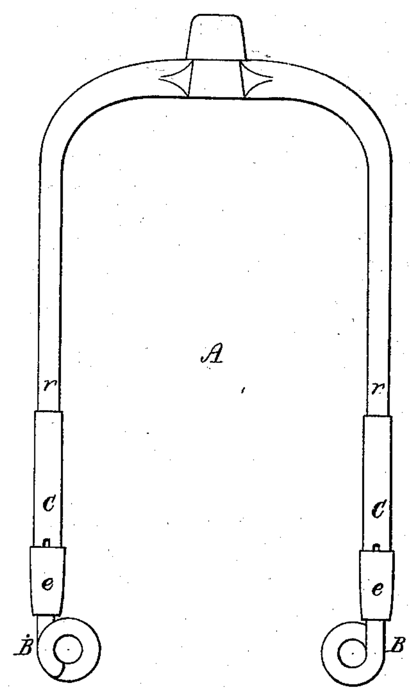


Fig. 1.



Witnesses.
S W Piper
L. N. Möller.

Charles K. Pevey.
by his attorney.
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UNITED STATES PATENT OFFICE.

CHARLES K. PEVEY, OF WORCESTER, MASSACHUSETTS.

IMPROVEMENT IN FLIERS FOR SPINNING-MACHINES.

Specification forming part of Letters Patent No. **165,363**, dated July 6, 1875; application filed June 15, 1875.

To all whom it may concern:

Be it known that I, CHARLES K. PEVEY, of the city and county of Worcester and State of Massachusetts, have invented a new and useful Improvement in Machinery for Spinning; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 denotes a front elevation, Fig. 2 a side view, and Fig. 3 a vertical section, of a spinning-frame flier provided with my invention.

The thread-guide of a flier-arm, when of metal, is liable to be cut into and worn or grooved by the thread or yarn while passing through it to the bobbin. To avoid this and the evils attendant on it (well known to spinners) is the object of my invention.

In carrying out my said invention I construct the hook B or yarn-guide of the flier A not only separate from the metallic arm *r* thereof, but of a different material, as glass, for instance, capable of resisting wear of the yarn, and I combine it with the arm *r* by means of a coupling of a connecting conical sleeve, *e*, and a jawed tapering tube, C, all being substantially as hereinafter specified.

Fig. 4 is a side view of the jawed tapering tube C, while Fig. 5 is a side view of the glass-hook or guide B, its shank *a* being usually provided with with a tapering head, *b*, though it may be cylindrical. The jawed tapering tube receives the flier-arm *r*, and fits closely on it, and when projecting therefrom such tube is slit upward so as to form a set of jaws, *d*, on which the sleeve *e* is fitted and pushed upward in order to contract such jaws tightly upon the shank of the hook, or upon an elastic or yielding sleeve, *f*, of india-rubber, put down on the said shank.

The glass hook, having a very smooth surface and much harder than metal, will resist wear of the yarn for a much greater period of time than a metal hook will, and when it may have become worn it can easily be removed from the flier-arm and a fresh one be substituted.

With my invention the hook can readily be turned around more or less and adjusted on the flier-arm, so as to bring the said hook into different positions from time to time in order to prevent the wear from taking place in one part of it. The elastic sleeve serves to prevent the glass shank from being broken in the process of clamping it to the jawed tube.

I claim—

1. The combination of the flier A, the separate anti-friction hook B, and the coupling C *e*, substantially as described.

2. The elastic sleeve *f*, combined with the anti-friction hook B, and the jawed coupling C *e*, as specified.

3. The anti-friction hook B, provided with the tapering head *b*, in combination with the flier A, and the coupling C *e*, as set forth.

4. The combination of an anti-friction hook B, and a coupling, C *e*, substantially as described.

CHAS. K. PEVEY.

Witnesses:
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J. R. SNOW.