(No Model.)

T. F. EVETTS.

BOBBIN WINDER FOR SEWING MACHINES.

No. 368,760. Patented Aug. 23, 1887.

Fig. 1

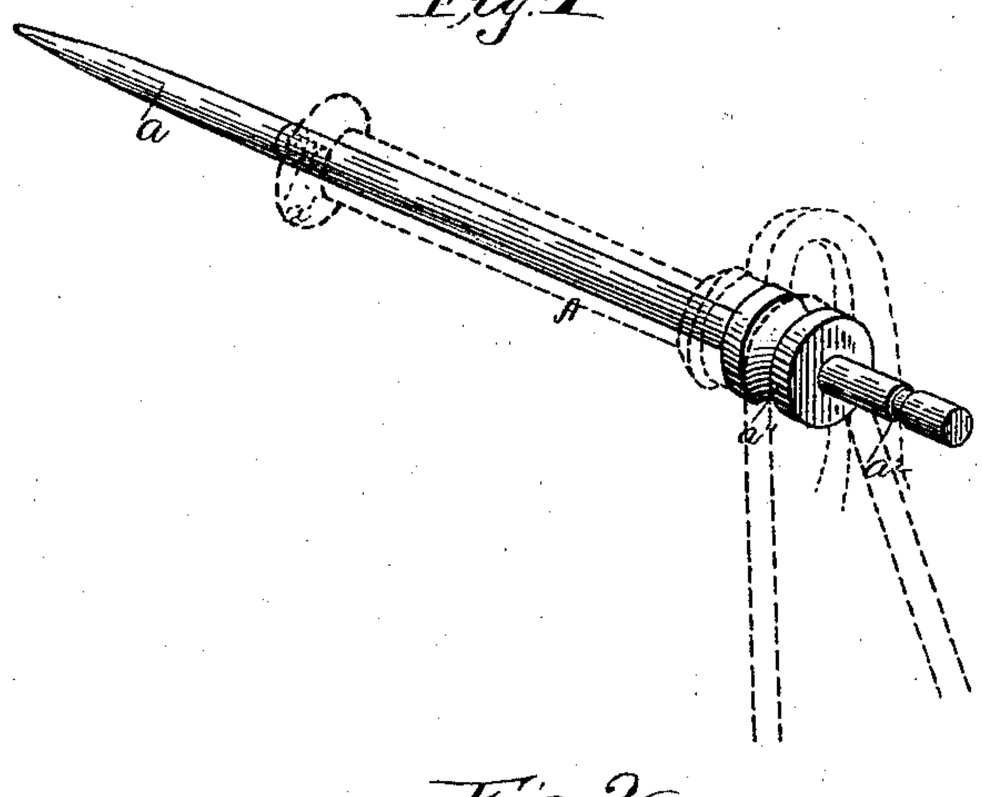
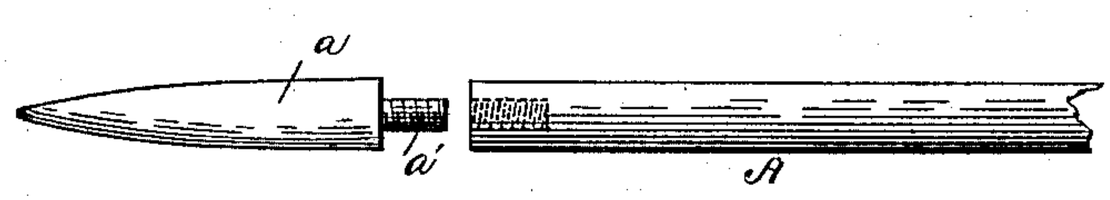


Fig. 2.



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UNITED STATES PATENT OFFICE.

THOMAS FRANKLING EVETTS, OF LEON JUNCTION, TEXAS.

BOBBIN-WINDER FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 368,760, dated August 23, 1887.

Application filed October 5, 1886. Serial No. 215,372. (No model.)

To all whom it may concern:

Be it known that I, THOMAS FRANKLING EVETTS, a citizen of the United States of America, residing at Leon Junction, in the county of Coryell and State of Texas, have invented certain new and useful Improvements in Bobbin-Winders, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention pertains to certain new and useful improvements in bobbin-winders; and it consists in the constructions, combination, and arrangement of the parts, substantially as hereinafter fully set forth, and particularly pointed out in the claim.

In the accompanying drawings, Figure 1 is a view in perspective of my invention, showing its supporting media and bobbin in dotted lines; and Fig. 2 is an enlarged side elevation with parts broken away, and showing the spindle-point removed.

In carrying out my invention I employ a shaft, A, which at its extreme outer end has formed a small aperture extending inwardly, wherein is provided a female screw-thread, the purpose of which will appear further on. Within this screw threaded aperture is screwed one end of a small spindle, *a*, said spindle having a short threaded extension, *a'*, screwing in said aperture. The spindle *a*, which, it will be seen, tapers toward its outer end, is made of highly-tempered metal, and is designed for spinning thread or for doubling or twisting the same.

The shaft A has rigidly secured thereto, so as to revolve therewith, a small grooved pulley, *a''*, over and around which is passed a suitable driving-belt connected with the fly-wheel of the machine to which my invention may be applied. This shaft has formed therein a short distance from the end where said grooved pulley is secured a slight groove, a^2, wherein one end of a set-screw is designed to be loosely placed, so as to retain the said shaft in its proper position and prevent slipping thereof during the operation of filling the bobbin placed on said shaft. Said set-screw is secured in an overhanging arm of a suitable bracket of the sewing-machine.

From this it will be seen that my invention embodies in one device means for filling a bobbin, the same being placed on the shaft A; also, a spindle for spinning the thread; and the same is simple, cheap, and durable. Being void of all complication, it is not liable to get out of order.

By the formation of the spindle of highly-tempered metal whereon the thread is spun, doubled, or twisted, as may be desired, the same is accomplished with decidedly beneficial results, and renders the invention more durable and lasting.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

In a bobbin-winder, the combination, with the shaft provided with a screw-threaded aperture at one end and having a groove formed near the other end, and carrying a pulley, of the spindle provided with a threaded extension entering said screw-threaded aperture of the shaft, said spindle having a taper and made of highly-tempered metal, substantially as shown, and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

THOMAS FRANKLING EVETTS.

Witnesses:

A. F. SMITH,

W. J. COLLINS.