

C. F. INGRAHAM.
Sewing Machine Bobbin.

No. 57,514.

Patented Aug. 28, 1866.

Fig. 1.

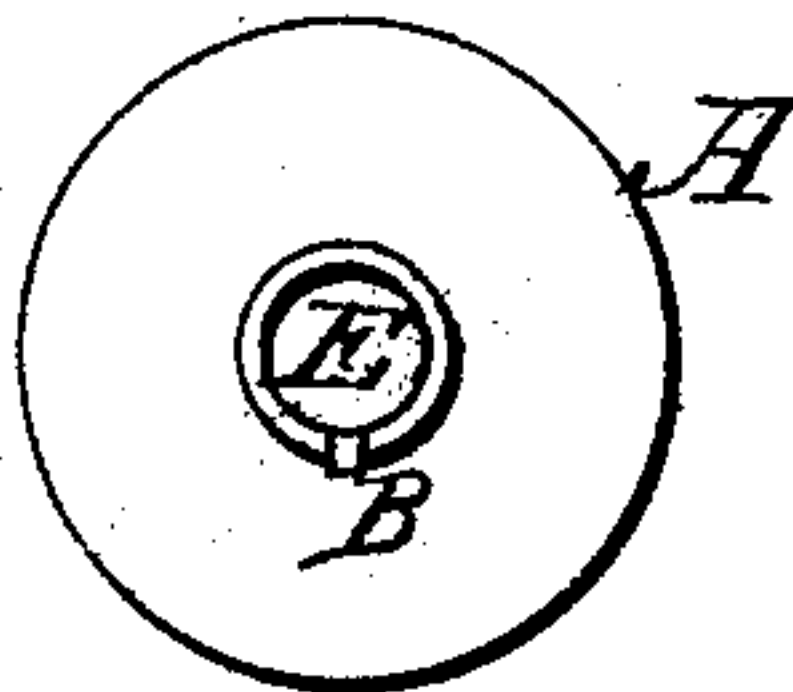


Fig. 2.

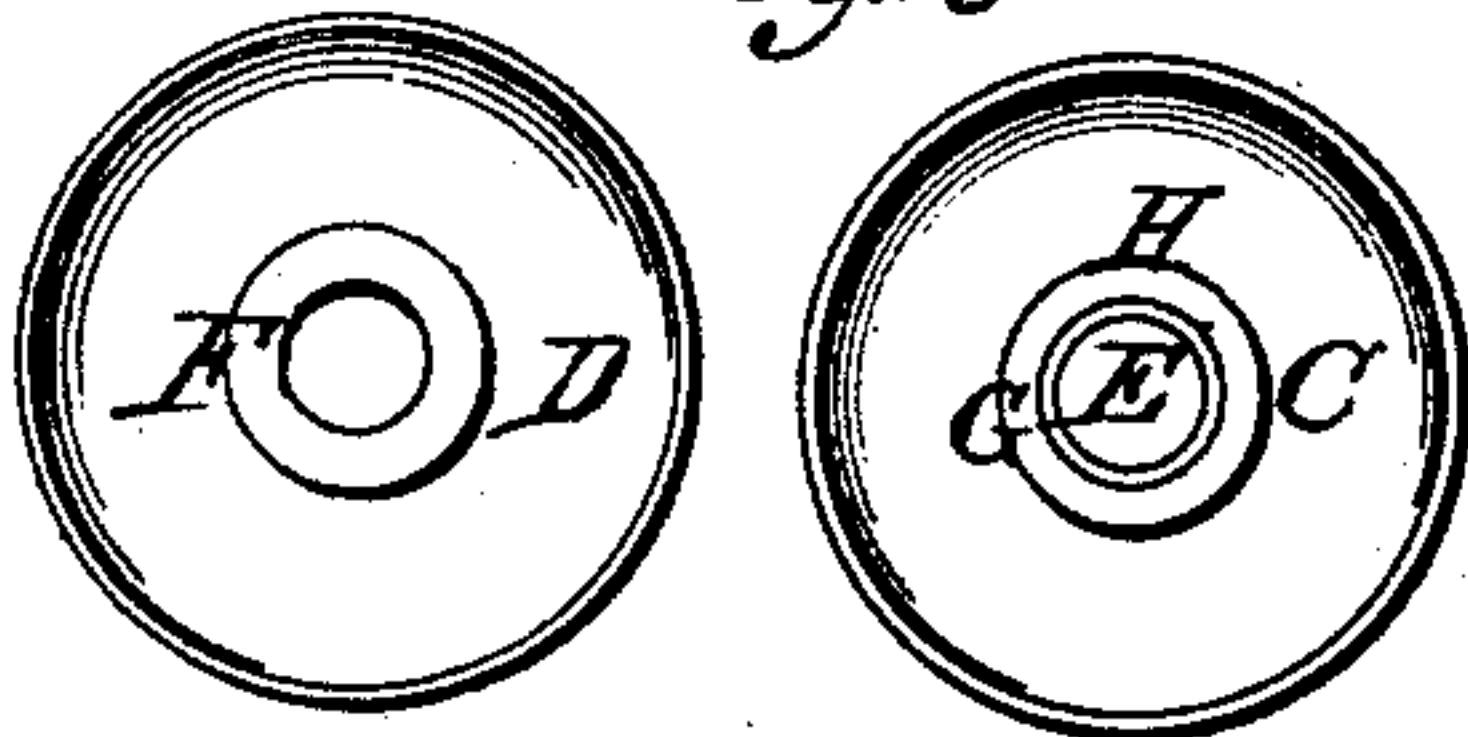
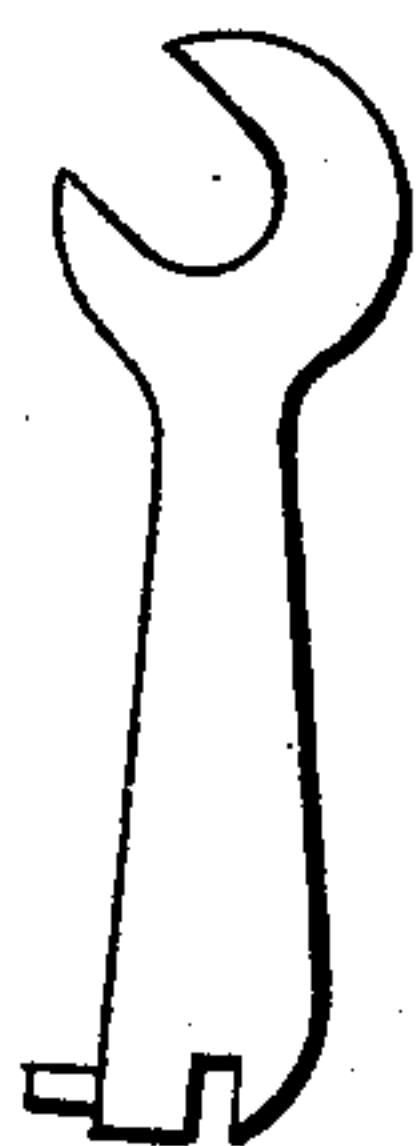


Fig. 3.



Fig. 4.



Witnesses.
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UNITED STATES PATENT OFFICE.

CORNELIA F. INGRAHAM, OF INDIANAPOLIS, INDIANA.

IMPROVEMENT IN SEWING-MACHINE BOBBINS.

Specification forming part of Letters Patent No. 57,514, dated August 28, 1866.

To all whom it may concern:

Be it known that I, Mrs. CORNELIA F. INGRAHAM, of Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Improvement in Bobbins for Sewing-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents an outside view of a bobbin made according to my invention, showing a low pin of square form projecting from the side of the bobbin near its center, by means of which the halves of the bobbin are separated. Fig. 2 shows the bobbin taken apart. Fig. 3 is an axial section. Fig. 4 represents the ordinary wrench that goes with a Wheeler & Wilson sewing-machine, and which has an additional socket in its end for separating the halves of the bobbin.

Similar letters of reference indicate corresponding parts.

This invention consists in constructing a bobbin for use on a Wheeler & Wilson sewing-machine in such a way that it may be separated into two parts, the opposite sides being removed one from the other and united again at pleasure by means of a screw on one part and a socket on the other, whereby the operator is enabled to pick out a broken thread, or to disentangle the thread on the bobbin, or to ascertain the amount or the number or the color of the bobbin-thread without trouble.

A designates the bobbin complete. On the

outside of that part which may be called the "socket portion" of the bobbin is a square pin, B, set, for convenience and for ease in operating it, near to the center of the bobbin, to which the small socket of a wrench like the one seen in Fig. 4 may be applied.

The letter C designates, in Fig. 2, the male portion or side of the bobbin, and D the side which has the socket.

E designates the usual central opening, which admits of being placed upon the prolongation of the shaft for the purpose of winding the thread upon it.

F is a ring fixed in the center of the part D, and having a screw-thread cut on its inner side, which receives a screw, G, formed on the hollow hub H of the part C of the bobbin. When the parts C and D are united the end of the hub H is flush with the outside of the part D. The parts are separated and united by applying a wrench to the square pin B; or a forked wrench may be applied to indentations made in either half of the bobbin, the edge of the other half being in either case held stationary while the wrench is operated. Such indentations need not be here particularly shown, since the device is familiar to mechanics.

I claim as new and desire to secure by Letters Patent—

Constructing the bobbin of a sewing-machine substantially in the manner and for the purpose above set forth.

CORNELIA F. INGRAHAM.

Witnesses:

I. S. DUNLOP,

GEO. M. TRAVER.