

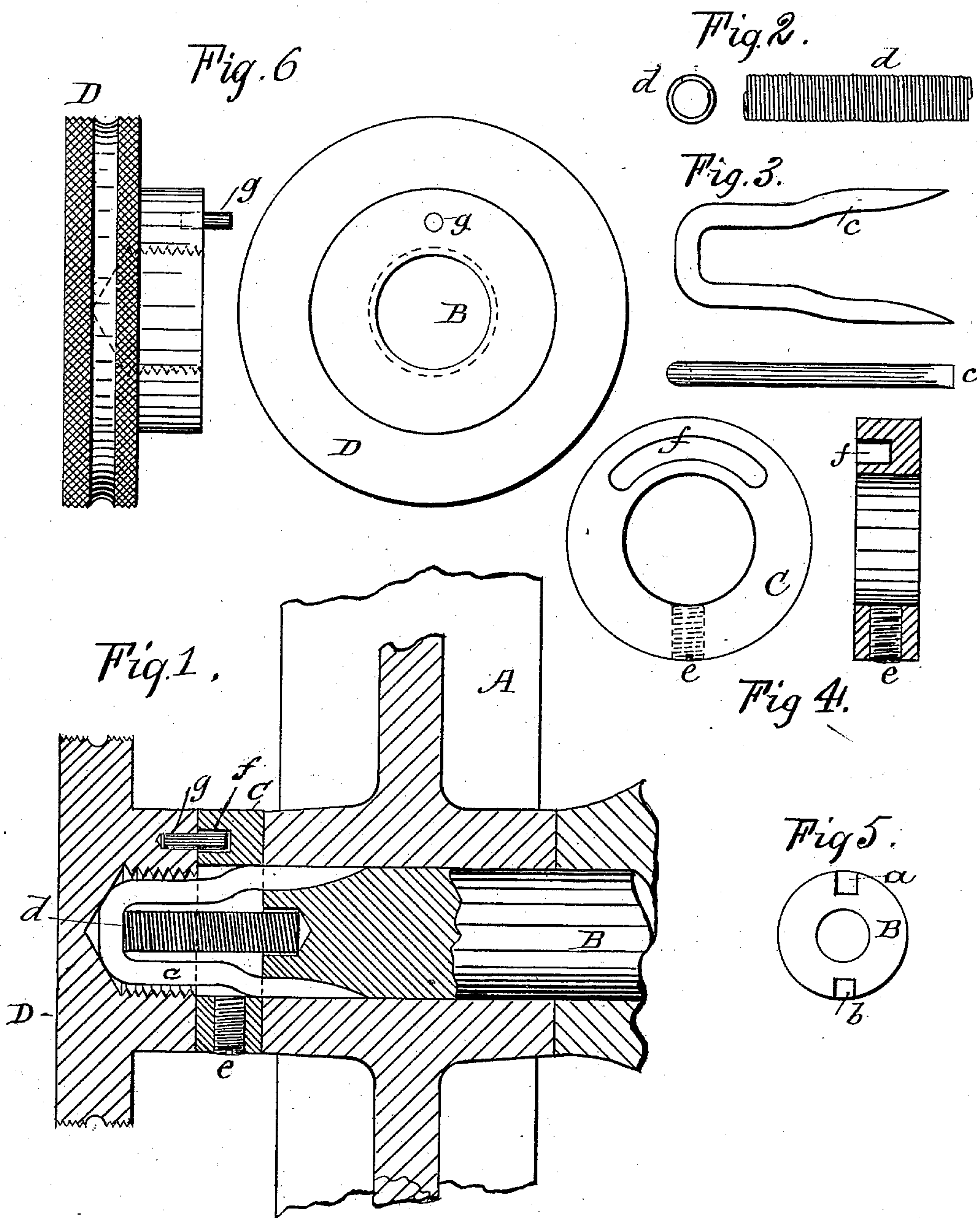
(No Model.)

J. R. HEBERT.

LOOSE FLY WHEEL FOR SEWING MACHINES.

No. 268,226.

Patented Nov. 28, 1882.



Witnesses  
Emory B. Chadwick  
W. R. K. A. S.

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# UNITED STATES PATENT OFFICE.

JOSEPH R. HEBERT, OF BROOKLYN, NEW YORK, ASSIGNOR TO ELIAS A. WILKINSON, OF NEWARK, NEW JERSEY.

## LOOSE FLY-WHEEL FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 268,226, dated November 28, 1882.

Application filed May 6, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH R. HEBERT, of Brooklyn, New York, have invented a new, useful, and important Improvement in Loose Fly-Wheels for Sewing-Machines, described in this specification and the drawings thereof.

The invention consists of improvements relating to mechanism for stopping and starting sewing mechanism while the treadle and fly-wheel to operate the same continue in motion.

Figure 1 is a longitudinal section of the improvement. Figs. 2, 3, 4, 5, and 6 are detail views of the same.

In the form of construction shown a fly-wheel, A, of a sewing-machine is placed loosely upon a driving-shaft, B. The end of the driving-shaft has slots *a b*, into which is placed a spring-fork, *c*, against a retracting-spring, *d*, placed in a recess in the end of the driving-shaft. Against the fly-wheel, on the driving-shaft, over the spring-fork, is placed a washer, C, held to the shaft by a set-screw, *e*, and having a slot, *f*, which receives the pin *g* to limit the movement of the adjusting-nut D, which is screwed onto the end of the driving-shaft. When the adjusting-nut is screwed up close to the washer the spring-fork is forced inwardly and upwardly, and by friction locks the fly-wheel to the driving-shaft. When the adjusting-nut is screwed back from the washer the fly-wheel is released. Consequently when the fly-wheel is in motion and locked to the driving-shaft any connected sewing mechanism would be operated, and when released, as aforesaid, such mechanism would not be operated. Therefore by manipulating the adjusting-nut

either object can be attained, and stitching can be stopped or started as desired, at the will of the operator, in case of accident to needle or thread in sewing or for winding bobbins, without stopping the treadle movement.

The details of construction may be varied within the scope of my improvement.

I claim as my invention—

1. The combination of fly-wheel A, shaft B, having grooves *a b*, spring-fork *c*, retracting-spring *d*, washer C, having slot *f*, and adjusting-nut D, having pin *g*, substantially as set forth.

2. The combination of a fly-wheel, a driving-shaft having side slots, a spring-fork in the side slots and in connection with a retracting-spring, a washer having a limiting-slot, and an adjusting-nut over the spring-fork on the end of the shaft and limited in its movement by the limiting-pin in the limiting-slot, substantially as set forth.

3. The combination of a fly-wheel, a driving-shaft, a washer, an adjusting-nut limited in its movement by the washer, a spring-fork operated by the adjusting-nut, and a retracting-spring to lock or unlock the fly-wheel and the driving-shaft, substantially as set forth.

In testimony whereof I hereunto subscribe my signature and affix my seal, in the presence of two attesting witnesses, on the 21st day of April, 1882.

JOSEPH R. HEBERT. [L. S.]

Witnesses:

E. B. CHADWICK,  
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