(No Model.)

M. DUGAN.

BELT TIGHTENER.

No. 318,707. Patented May 26, 1885.

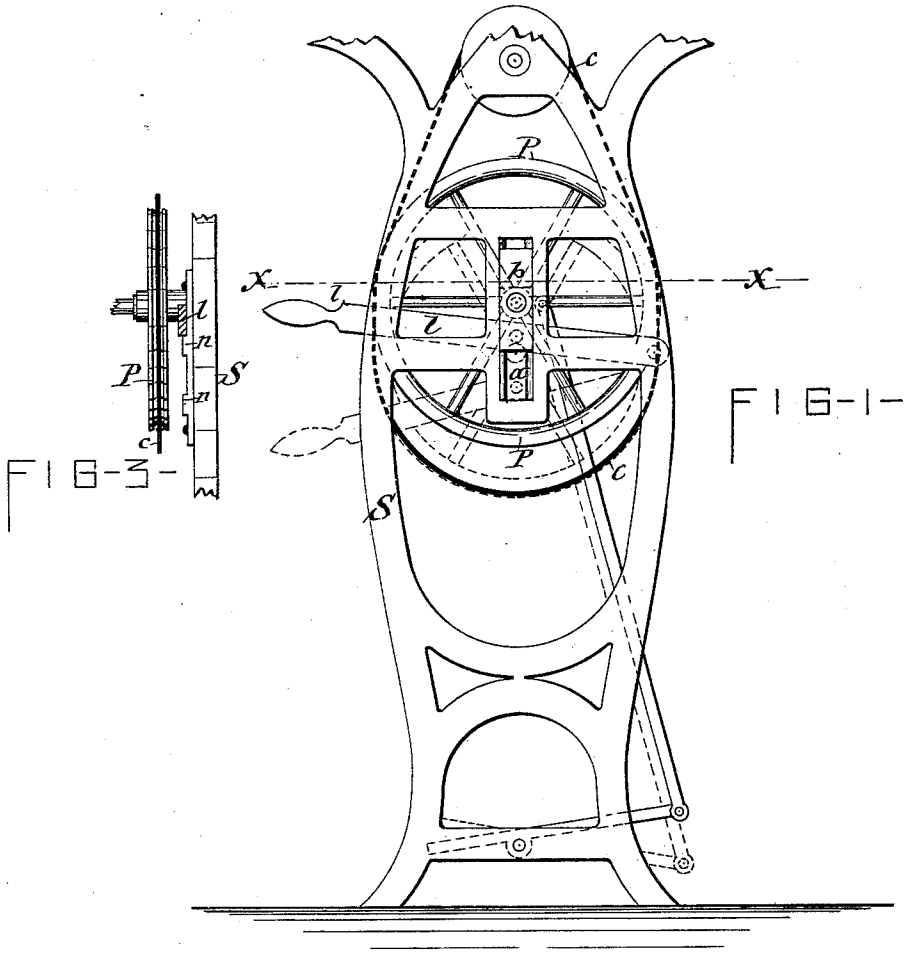


FIG-3-

FIG-1-

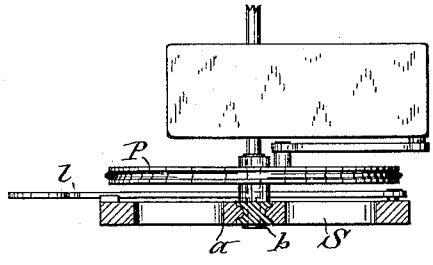


FIG-2-

ATTEST—

Wm. C. Raymond

C. Bendixon

INVENTOR—

Michael Dugan

per Duell, Lacey & Wheeler

his attys

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

MICHAEL DUGAN, OF BRANDT, PENNSYLVANIA.

BELT-TIGHTENER.

SPECIFICATION forming part of Letters Patent No. 318,707, dated May 26, 1885.

Application filed April 13, 1885. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL DUGAN, of Brandt, in the county of Susquehanna, in the State of Pennsylvania, have invented new and useful Improvements in Sewing-Machines, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

The purpose of this invention is to facilitate the operation of slackening and tightening the driving-belts of machines, and especially those of sewing machines; and the invention consists in the novel construction and combination of parts, as hereinafter more fully described, and specifically set forth in the claims.

In the annexed drawings, Figure 1 is an elevation of the pedestal or standard of a sewing-machine with my improvement attached thereto. Fig. 2 is a longitudinal transverse section on line *x x*, Fig. 1, and Fig. 3 is a side view of that part of the standard to which my invention is applied.

Similar letters of reference indicate corresponding parts.

S represents a standard of a sewing-machine. Said standard is formed with the vertical guide-slot *a*, in which slides a block, *b*. On this block is pivoted the belt-pulley P, which, by a belt, *c*, transmits motion to the sewing mechanism. A lever, *l*, is fulcrumed on the standard S and connected with the slide *b*, so as to permit of raising and lowering the slide by said lever, and thus slacken and tighten the belt *c* as may be desired. By means of stops *n n* on the side of the standard S the lever *l* is sustained in its raised and lowered position.

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

The combination, with the standard S, of the guide *a*, slide *b*, lever *l*, pulley P, pivoted on the slide, and the stops *n* on the standard, substantially in the manner described and shown.

In testimony whereof I have hereunto signed my name and affixed my seal, in the presence of two attesting witnesses, at Syracuse, in the county of Onondaga, in the State of New York, this 27th day of March, 1885.

MICHAEL DUGAN. [L. S.]

Witnesses:
FREDERICK H. GIBBS,
WM. C. RAYMOND.