

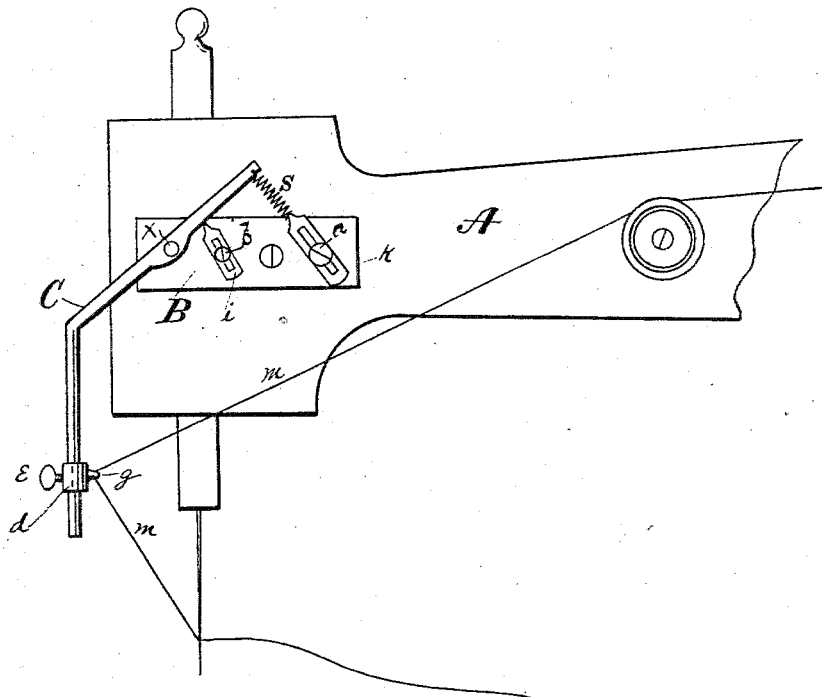
(No Model.)

C. A. SISSON.

TAKE-UP FOR SEWING MACHINES.

No. 305,855.

Patented Sept. 30, 1884.



Witnesses
J. A. Mason
A. G. Fuller

Inventor
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UNITED STATES PATENT OFFICE.

CHARLES A. SISSON, OF NEW BEDFORD, MASSACHUSETTS.

TAKE-UP FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 305,855, dated September 30, 1884.

Application filed December 3, 1883. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. SISSON, a citizen of the United States, residing at New Bedford, in the county of Bristol and State of Massachusetts, have invented a new and useful Improvement in Take-Ups for Sewing Machines, of which the following is a specification.

My invention relates to devices for tightening the stitch in sewing-machine work, and has for its object to insure the tightening of the thread in the work and to prevent the cutting or breaking of the thread. I attain this object by means of the device illustrated in the accompanying drawing, which is a side elevation of a sewing-machine arm with the device for tightening the thread properly attached.

A is the arm of the machine, to which is attached, by suitable means, the plate B, which plate carries the mechanism of the "take-up." On the arm C, which is pivoted at *x*, is a sliding collar, which may be clamped at any desired point on said arm by means of the thumb-screw *e*. The collar *d* carries an eye, *g*, through which the thread *m* passes. To the upper end of the arm C is fastened one end of a spiral spring, *s*, the other end of the spring being fastened to an adjustable slotted plate, K, secured by a screw, *a*, to the plate B, for the purpose of regulating its tension. The plate *i* is also slotted and adjustable and is secured to the plate B by a screw, *b*, and is used as a stop for limiting the movement of the arm C in the direction of the force of the spring *s*.

By means of the adjustable collar *d* and the adjustable plate K any desired force can be exerted on the thread *m* to tighten it in the work.

By connecting one end to the adjustable plate the tension of the spring can be quickly, easily, and to any desired extent regulated, and by sliding the stop-plate the adjustment of that can be quickly and effectively made, and by using the sliding thread-collar in connection with the tension-regulating spring the tension of the thread can be regulated with greater nicety than by the employment of either without the other.

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

In a take-up for sewing-machines, the combination of the pivotal arm, the adjustable thread-guide at one end thereof, the slotted plate and set-screw for holding it to its adjustment, the spring connecting said plate with the end of the pivotal arm, and the slotted plate and its set-screw for controlling the movement of said arm, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

CHAS. A. SISSON.

Witnesses:

HENRY W. MASON,
THOS. M. JAMES.