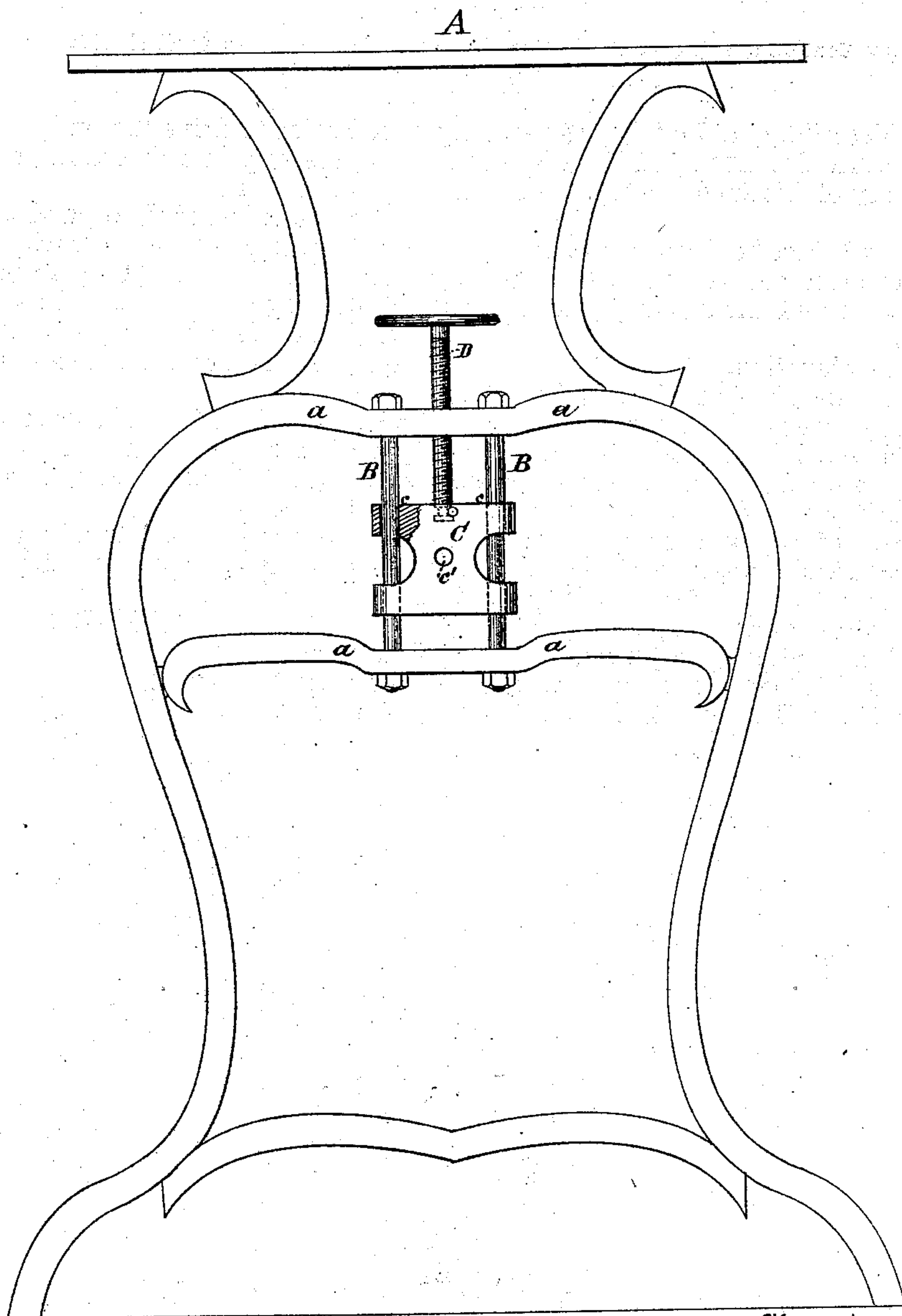


H. C. ALLYN.

Improvement in Belt Tightener.

No. 125,780.

Patented April 16, 1872.



Witnesses:

W. S. Martin.

Thos. D. D. Curand

Inventor:

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PER

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# UNITED STATES PATENT OFFICE.

HOMER C. ALLYN, OF FALLS VILLAGE, CONNECTICUT.

## IMPROVEMENT IN BELT-TIGHTENERS.

Specification forming part of Letters Patent No. 125,780, dated April 16, 1872.

Specification describing a Belt-Tightener, invented by HOMER C. ALLYN, of Falls Village, in the county of Litchfield and State of Connecticut.

The invention will first be described in connection with all that is necessary to a full understanding thereof and then clearly pointed out in the claim.

The figure is an elevation.

A represents an upright frame having horizontal bars *a a*, between which two vertical rods, B B, are fastened in any suitable manner. C is a bearing-block, having perforations *c c*, through which pass rods B B, aperture *c*<sup>1</sup> to form the bearing of a revolving pin or shaft, and an internally-threaded aperture, *c*<sup>2</sup>, in which works a hand-screw, D. The shaft which carries the balance-wheel and pulley of any machine to which it is applicable is journaled in the aperture *c*<sup>1</sup>, which forms its only bearing. As the bearing-block C is raised the belt is

tightened so as to drive the pulley, and when moved in the opposite direction the machine is thrown out of gear.

This device is intended for, and is especially adapted to, small machines, such as the sewing-machine, and is found by practical experiment to be very convenient and useful.

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

The bearing-block C of a balance-wheel and pulley-shaft, arranged on a frame, in combination with rods B B and screw D, as and for the purpose described.

To the above specification of my invention I have signed my hand this 14th day of March, A. D. 1872.

HOMER C. ALLYN.

Witnesses:

SOLON C. KEMON,  
CHAS. A. PETTIT.