C. WESTLING.

Pulley Attachment to Sewing-Machines.

No. 211,536. Patented Jan. 21, 1879.

Fig. 1.

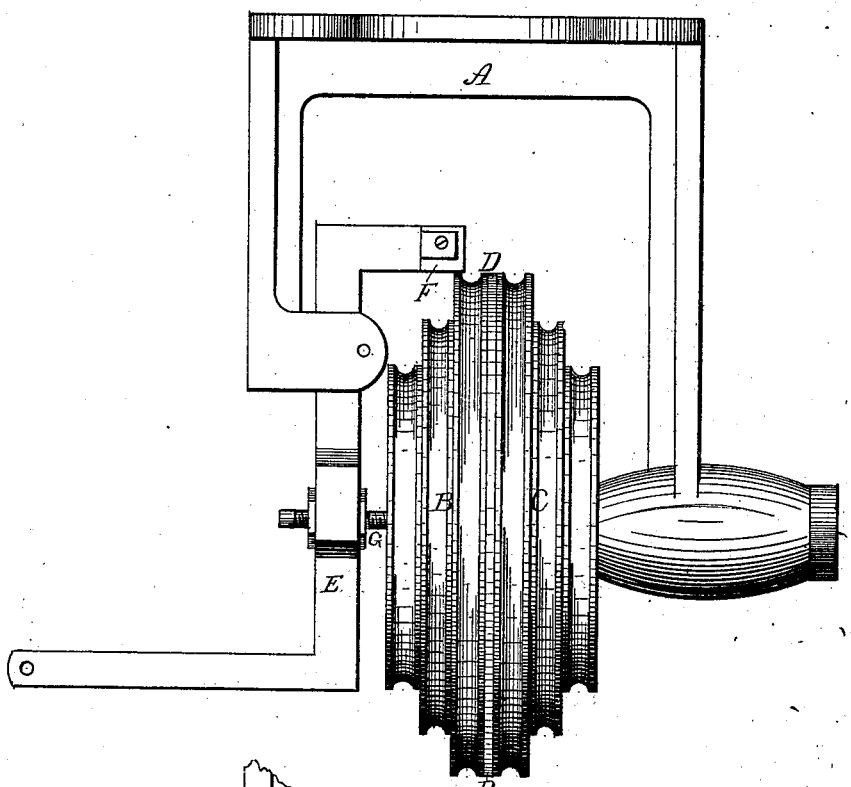
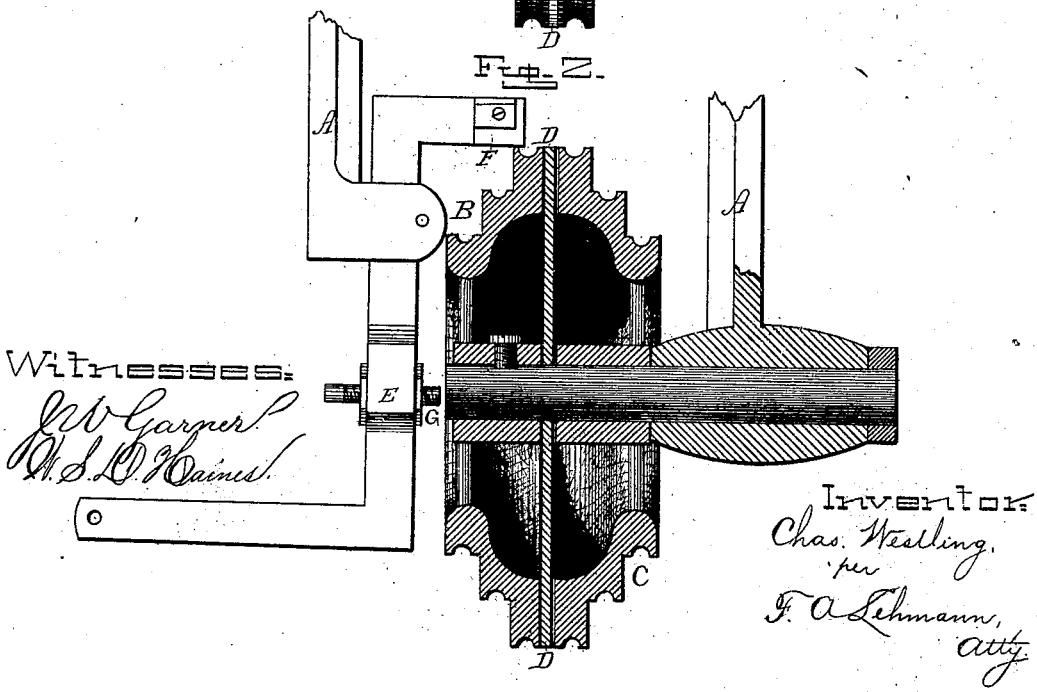


Fig. 2.



Witnesses:

J. W. Garner

W. S. D. Baines.

Inventor:

Chas. Westling,

per

F. A. Lehmann,

Atty.

UNITED STATES PATENT OFFICE.

CHARLES WESTLING, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN PULLEY ATTACHMENTS TO SEWING-MACHINES.

Specification forming part of Letters Patent No. **211,536**, dated January 21, 1879; application filed November 18, 1878.

To all whom it may concern:

Be it known that I, CHARLES WESTLING, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Pulley Attachments for Sewing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in pulleys for sewing-machines, and is designed to be used where the machine is run by steam-power; and it consists in the combination of a bracket or support, a fixed and a loose pulley, and a brake-lever, which not only serves to stop the machine, but to move the two pulleys in contact with each other, as will be more fully described hereinafter.

Figure 1 represents a side elevation of my invention; Fig. 2, a vertical section of the same.

A represents a suitable hanger or support, which is to be secured to the under side of the top of the sewing-machine, and in which the pulley-shaft is journaled. Upon this shaft is secured a fast pulley, B, and a loose pulley, C, and in between the two pulleys is placed a sheet of card-board, D, or any other equivalent substance. Each one of these pulleys has several grooves of different sizes, so that the speed at which the machine will run can be regulated by simply shifting the belt or driving-band from one groove to the other.

Pivoted in one end of the support A is the brake-lever E, having a cushion or pad, F, upon its upper end, and which bears upon the top of the fast pulley, as shown. Passing through this brake-lever is a screw, G, which can be adjusted back and forth at will, and which has its inner end bearing against the end of the pulley-shaft. By bearing down upon the lower end of this lever the screw is made to press the two pulleys together with sufficient force to cause them to revolve together, and by raising up upon the lower end of the lever the upper end is made to bear down upon the top of the fast pulley, so as to stop its revolution. Thus the same lever is made to perform the double function of stopping the pulley and of forcing the two pulleys together, so as to make them revolve at the same time.

By placing a sheet of pasteboard or other similar material between the two pulleys they take hold upon the paper with sufficient force to cause them to revolve together, and that without any danger of slipping or any wear upon each other.

By means of this attachment steam can be used in driving the sewing-machine much more readily and advantageously than by any other device in the market.

Having thus described my invention, I claim—

The lever E, having a brake-pad to bear upon the top of the fixed pulley, and a rod or screw to bear against the end of the pulley-shaft, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 8th day of November, 1878.

CHARLES WESTLING.

Witnesses:

J. E. WILSON,

L. O. WILSON.