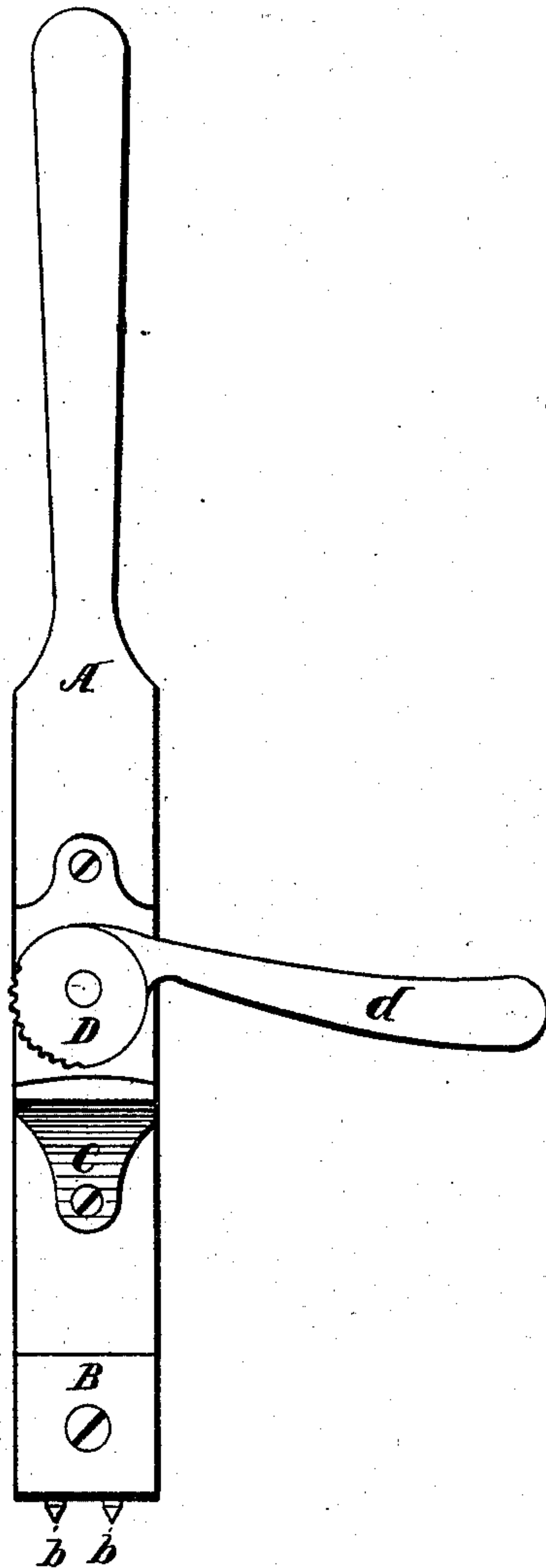


M. DAVENPORT & M. H. HICKS.

WIRE STRETCHER.

No. 189,846.

Patented April 24, 1877.



WITNESSES

E. S. Nottingham
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UNITED STATES PATENT OFFICE.

MORRIS DAVENPORT AND MARCUS H. HICKS, OF GROTON, NEW YORK; SAID
HICKS ASSIGNOR TO WILLIAM W. HARE, OF SAME PLACE.

IMPROVEMENT IN WIRE-STRETCHERS.

Specification forming part of Letters Patent No. **189,846**, dated April 24, 1877; application filed
February 29, 1876.

To all whom it may concern:

Be it known that we, MORRIS DAVENPORT and MARCUS H. HICKS, of Groton, in the county of Tompkins and State of New York, have invented certain new and useful Improvements in Devices for Stretching Wire; and we 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.

Our invention relates to an improvement in wire-stretchers.

In the drawings is shown a view, in side elevation, of a device embodying our invention, which consists in the following parts and combinations, as hereinafter specified and claimed, wherein—

A is a lever, to one end of which is attached a revolving block, B, provided with spurs or points *b b*. At any suitable point along the arm of the lever A (preferably about one-third of the distance from the block B to the other end of the lever A) is provided the plate C, made of metal or any suitable material. Just beyond the plate C is pivoted the eccentric clamp D, provided with a roughened or serrated periphery, and with a handle, *d*, for operating it, in its function of grasping and retaining a wire between the eccentric clamp D and the plate C, as will hereinafter more fully appear.

In operating our device, place the revolving block B against the fence or telegraph-post, or to whatever the wire is to be secured. While in this position the spurs *b b* will enter the post, and prevent any slipping or displacement. Now carry the lever A forward, and place the wire to be stretched between the plate C and eccentric D; and clamp it there by a turn of the arm or handle *d*. It will now obviously appear that by a return movement of the lever A the wire, firmly held as it is between the plate C and eccentric D, will be stretched to the desired tension, when it may be secured in any suitable way.

What we claim is—

1. In a portable wire-stretcher, the combination, with a revolving self-adjustable fulcrum-block, B, provided with spurs *b b*, of a lever, A, provided with a wire-clamping device, substantially as and for the purpose described.

2. A portable wire-stretcher, consisting of the lever A, self-adjustable fulcrum-block B, provided with spurs *b b*, plate C, and eccentric clamp D, substantially as and for the purpose specified.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

MORRIS DAVENPORT.
MARCUS H. HICKS.

Witnesses:

WILLIAM W. HARE,
HERMAN S. HOPKINS.