

HENRY WOODBURY.

Lamp-Wick Adjuster.

No. 126,002.

Patented April 23, 1872.

Fig. 1.

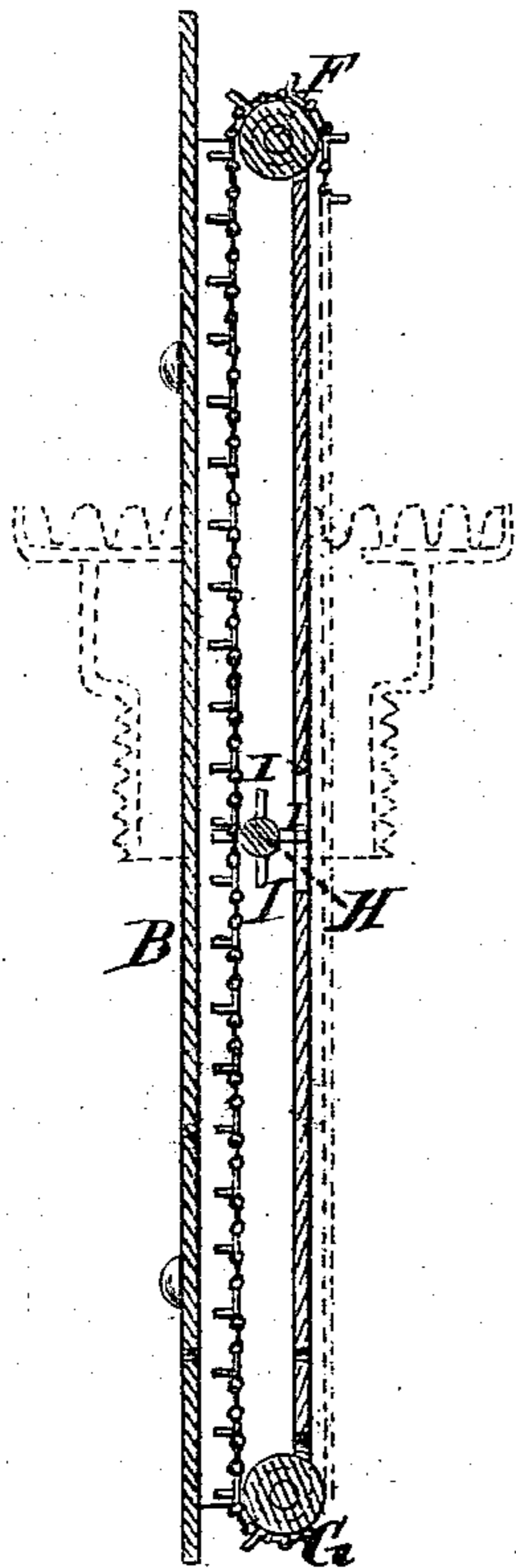


Fig. 2.

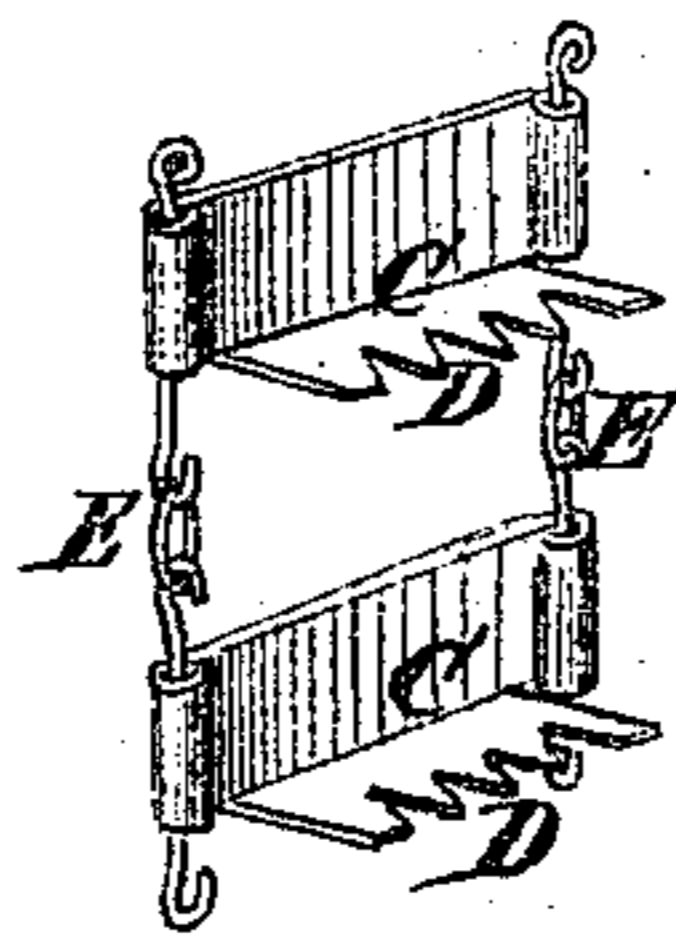
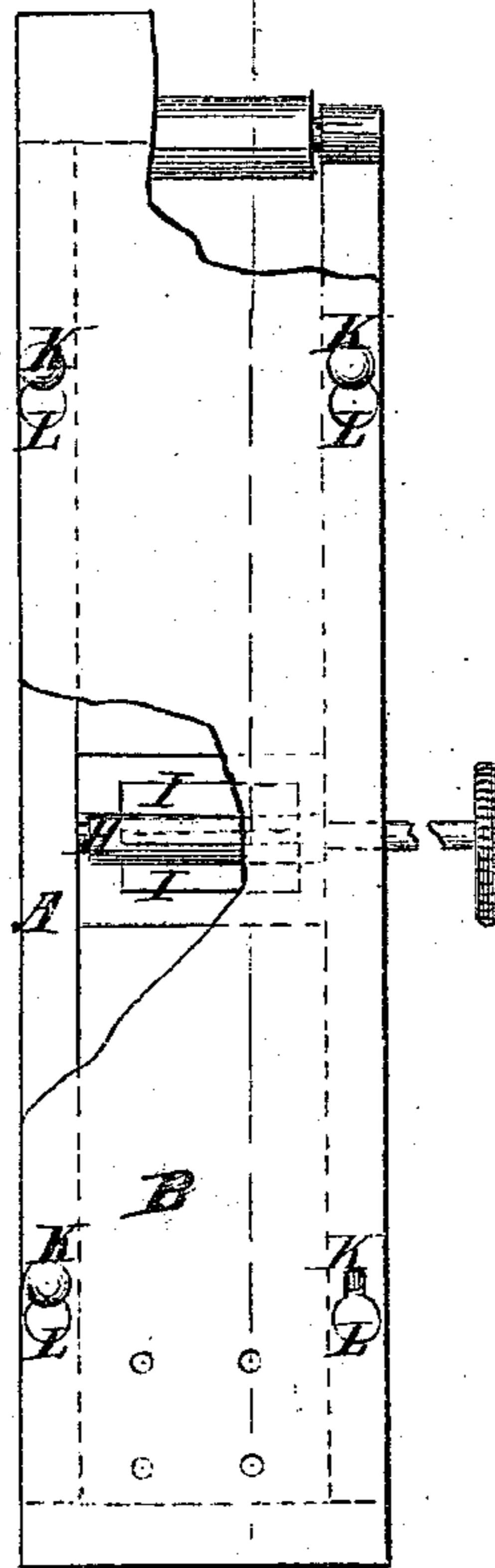


Fig. 3.



Witnesses:

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# UNITED STATES PATENT OFFICE.

HENRY WOODBURY, OF HUNTSVILLE, MISSOURI.

## IMPROVEMENT IN LAMP-WICK ADJUSTERS.

Specification forming part of Letters Patent No. 126,002, dated April 23, 1872.

Specification describing a new and Improved Lamp-Wick Adjuster, invented by HENRY WOODBURY, of Huntsville, in the county of Randolph and State of Missouri.

My invention consists of an endless adjuster, of pointed plates, fixed at short distances apart on a pair of endless chains, and arranged with the ascending part inside of the tube from bottom to top, and the descending part outside thereof, and working over suitable guiding and supporting rollers, and provided with an adjusting-roller.

Figure 1 is a sectional elevation of my improved wick-adjuster and the wick-tube. Fig. 2 is a perspective view of a section of the chain; Fig. 3 is an elevation of the wick-tube and rollers without the chain.

Similar letters of reference indicate corresponding parts.

A represents the wick-tube, which has considerably more space between the two wide sides than ordinary tubes, and is preferably provided with one detachable side, B. The endless wick-adjuster consists of the angle-plates C with pointed ends D and the chains E, whereon they are mounted in such manner that the said adjuster, being arranged alongside of the wick, the joints will enter it and hold so as to carry it along when moved. This adjuster is arranged, in connection with the wick-tube, as shown, on a roller, F, at the top, and another, G, at the bottom, the ascending part of the adjuster being in the tube fronting the detachable side B, and the other upon the outside of the permanent side of said tube, and near the center; but below the screw-cap for attaching the tube to the top of the lamp, and

through which the tube passes, is a roller, H, with plates I adapted to work between the notched plates C and force the adjuster up or down as the said roller is turned in either direction.

This adjuster is designed to be about the same width as the wick; but it may be narrower, if preferred.

It will be observed that when one piece of wick has been drawn up to the lower end of the chain, or thereabout, another can be put in with its upper end against the lower end of the one already in, and will be fed along so that the two ends will be in contact and have the effect of a continuous wick, thus saving the waste of the short pieces, which with all other adjusters are useless unless sewed to the end of the next piece put in.

The detachable side of the tube is used to facilitate the putting in of the wick. In this example it is secured to the permanent part of the tube by the screws K and slotted screw-holes L, arranged and operating as clearly shown; but it may be fastened by any other equivalent means.

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

1. An endless wick-adjuster, formed of toothed plates, substantially as specified.
2. The combination of an endless adjuster with a wick-tube having a detachable side piece, B, substantially as specified.

HENRY WOODBURY.

Witnesses:

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