

(No Model.)

W. J. TEMPLE.  
HORSESHOE CALK SHARPENER.

No. 548,896.

Patented Oct. 29, 1895.

FIG. 1.

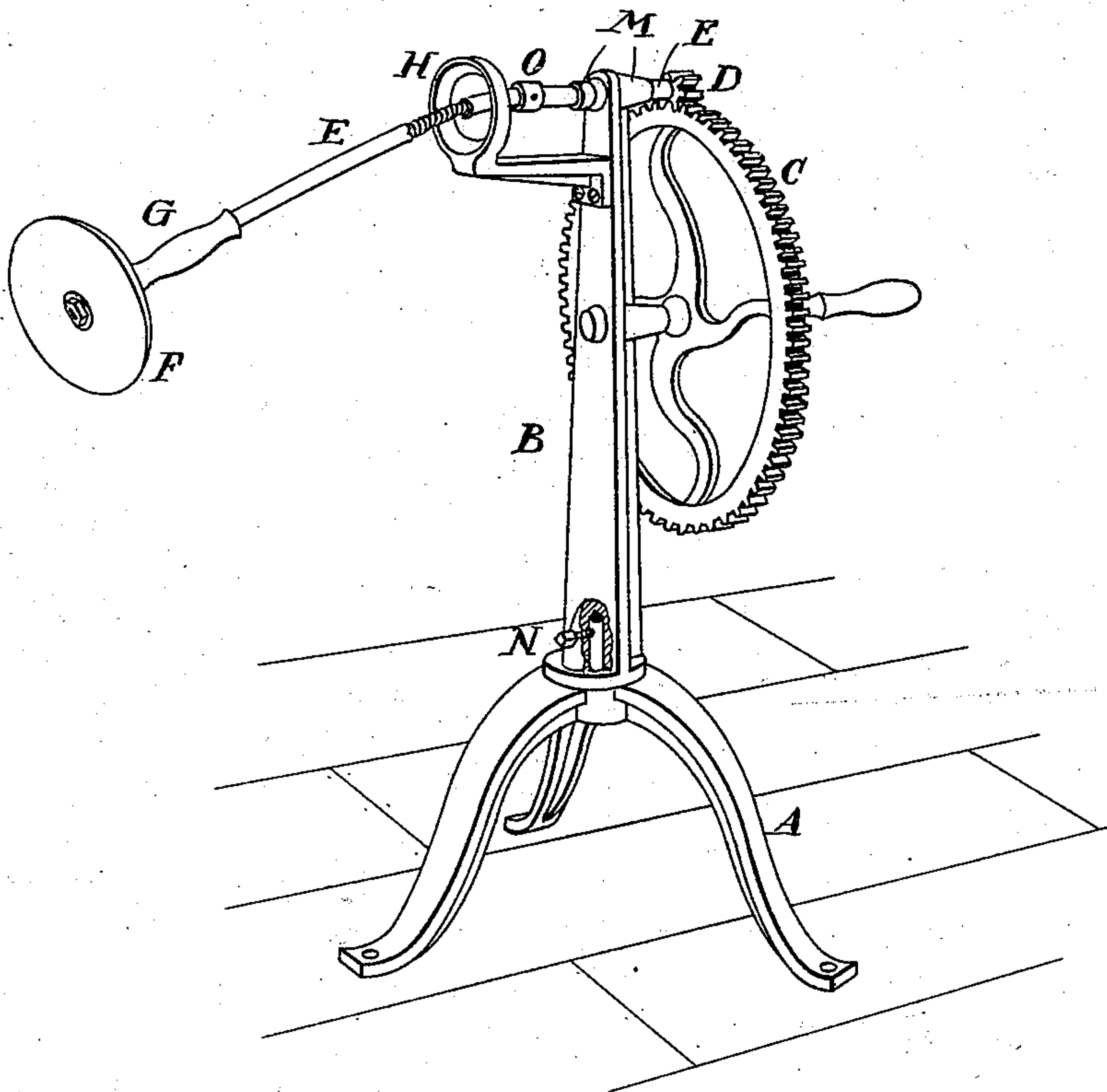
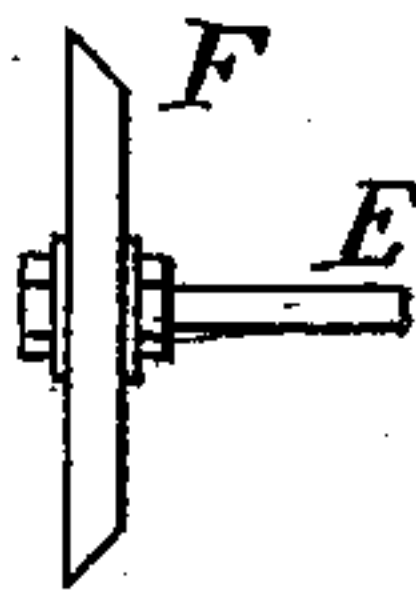


FIG. 2.



WITNESSES:

*A. D. Harrison*  
*W. P. Abell*

INVENTOR:

*W. J. Temple*  
*by night Brown Quincy*  
*Atty.*

# UNITED STATES PATENT OFFICE.

WILLIAM J. TEMPLE, OF HAMPDEN, MAINE, ASSIGNOR OF THREE-FOURTHS  
TO HORACE PICKARD AND GEORGE SWEETSER, OF SAME PLACE.

## HORSESHOE-CALK SHARPENER.

SPECIFICATION forming part of Letters Patent No. 548,896, dated October 29, 1895.

Application filed January 6, 1894. Serial No. 496,010. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM J. TEMPLE, a citizen of the United States, residing at Hampden, in the county of Penobscot and State of Maine, have invented certain new and useful Improvements in Horseshoe-Calk Sharpeners; 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 appertains to make and use the same.

My invention consists of a horseshoe-calk sharpener, and is fully illustrated in the accompanying drawings, in which—

Figure 1 is an isometric view of the whole device. Fig. 2 is a side elevation of grinding-wheel.

Similar letters refer to corresponding parts in both the figures.

I provide a base A, in which is perpendicularly swiveled an upright standard B. At or near the top of the standard B is arbored a large gear-wheel C, meshing with a pinion D upon a shaft E, turning horizontally in a bearing M in said standard and at right angles therewith. The shaft E is furnished with a flexible section e, is made of any convenient length, and carries at its outward end a grinding-wheel F, preferably of emery and of about three inches in diameter, and having an inwardly-beveled rim, as shown in Fig. 2.

At N is a set-screw, by which the standard B is locked at any point of its revolution, and at H is a projecting rest to prevent too much droop to the flexible shaft E, while G is a handle movable longitudinally upon said shaft and having a bore of sufficient diameter to permit the free revolution of the shaft within it.

The rest H is ring-shaped and surrounds the shaft E near the outer portion of the flexible section and serves as a support for the shaft, from which it cannot become disengaged, while still permitting all the necessary freedom of movement for the tool at the free end of the shaft.

In operation the horse's foot is raised, as in shoeing, and the large gear C being turned operates the pinion D and turns the shaft E and grinding-wheel F, and the shaft E being held by the hand of the operator by the handle G it is evident that the beveled edge of the grinding-wheel may be applied to the calk from either side to grind it to a point, both lateral and perpendicular motion being permitted by the flexible section e of the shaft E.

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

A horse-shoe calk sharpener consisting of the combination of a standard swiveled in a base; a gear wheel arbored in said standard meshing with a pinion carrying a shaft having a flexible section; a hollow cylindrical handle upon said shaft formed to permit the revolution of said shaft within said handle; and a ring-shaped rest attached to the standard and surrounding the shaft and adapted to permit a vertical or lateral movement of the shaft relatively thereto, and a grinding-wheel attached to the outer end of said projection and turning with said shaft.

WILLIAM J. TEMPLE.

Witnesses:

EDWARD W. REYNOLDS,  
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