

O. H. HARDING & J. WILLIS.
Improvement in Clothes-Driers.

No. 127,481.

Patented June 4, 1872.

Fig. 1.

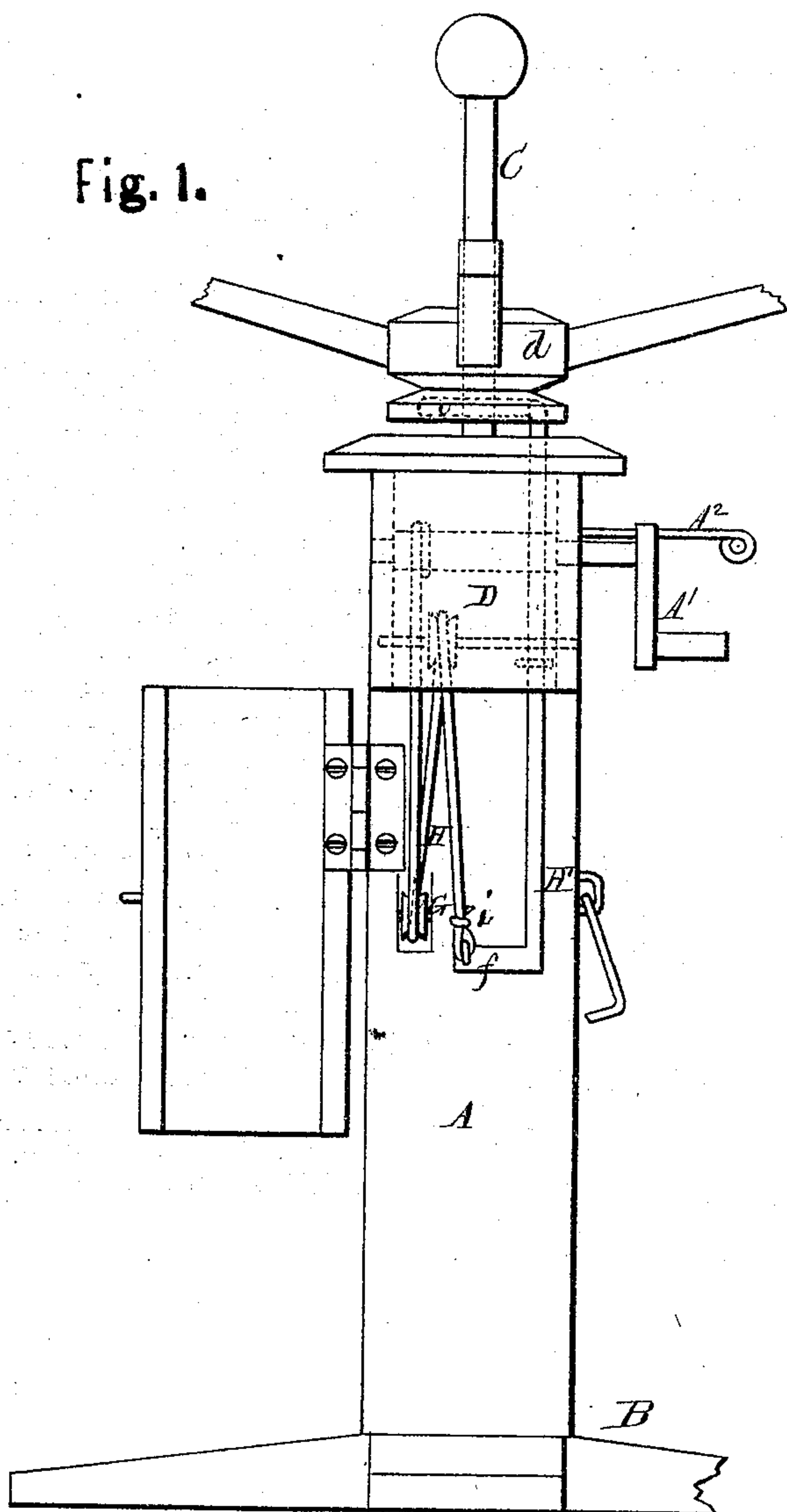
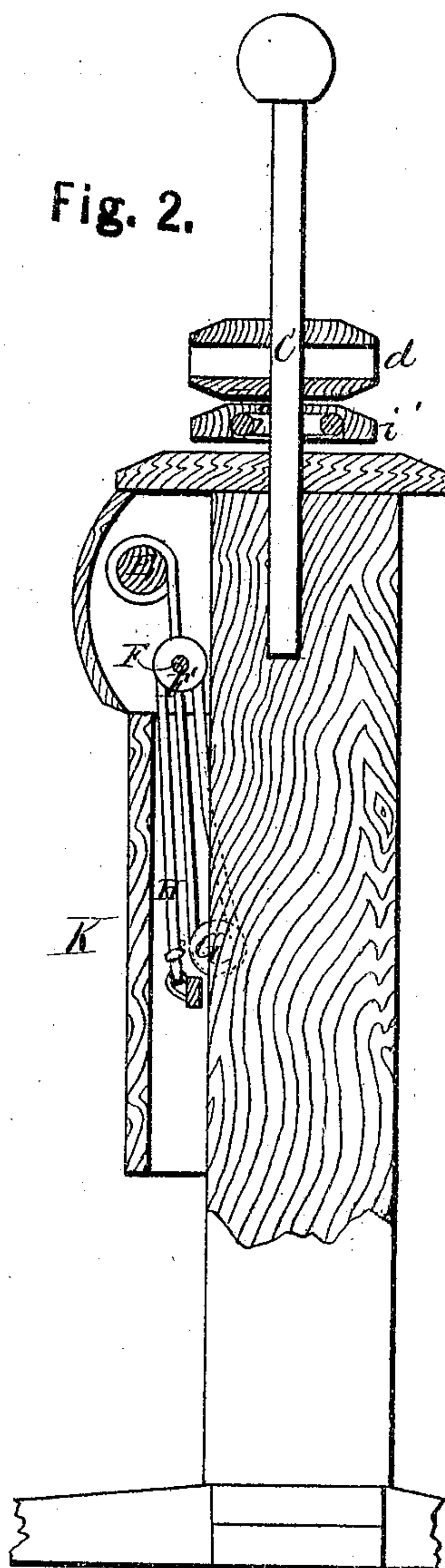


Fig. 2.



WITNESSES.

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UNITED STATES PATENT OFFICE.

ORRIN H. HARDING AND JAMES WILLIS, OF QUINCY, MICHIGAN.

IMPROVEMENT IN CLOTHES-DRIERS.

Specification forming part of Letters Patent No. 127,481, dated June 4, 1872.

To all whom it may concern:

Be it known that we, ORRIN H. HARDING and JAMES WILLIS, of Quincy, in the county of Branch and State of Michigan, have invented a new and valuable Improvement in Clothes-Driers; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a front elevation, and Fig. 2 is a vertical section, of our invention.

This invention has relation to clothes-driers; and consists in the hereinafter-described construction and novel arrangement of devices for raising the reel.

In the drawing, A represents the supporting-post, which is set in the ground or on a sill, B. From the top of said post rises a rounded rod, C, upon which the reel-head *d* slides. Attached to one side of the post A is a box, D, through which passes a windlass-shaft, E, and a rod, F, holding a pulley, F'. G is a pulley arranged within a recess cut in a post some distance below the pulley F'. H repre-

sents a cord passing from the windlass-shaft E down under the pulley G, thence up and over the pulley F', and then down to the arm *f* of a vertical rod, H', to which it is fastened. The rod H' passes up through the box D, and has a loop, *i*, formed in its upper end, which supports a recessed block, *i'*, upon which rests the reel-head. By turning the windlass-crank A' the reel is raised and lowered. A rod, A², inserted in the post A, acts as a stop to the crank and prevents the reel from falling. When the pin A² is removed the reel falls by its own weight. K designates a hinged shield to protect the working parts from the weather.

What we claim as our invention, and desire to secure by Letters Patent, is—

In a clothes-reel, the rod H', provided with arm *f* and loop *i*, in combination with post C, sliding reel-head *d*, pulleys F' G, windlass E, and box A, substantially as and for the purpose specified.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

ORRIN H. HARDING.

Witnesses: JAMES WILLIS.

G. B. KNIGHT,
JAMES MACKLEM.