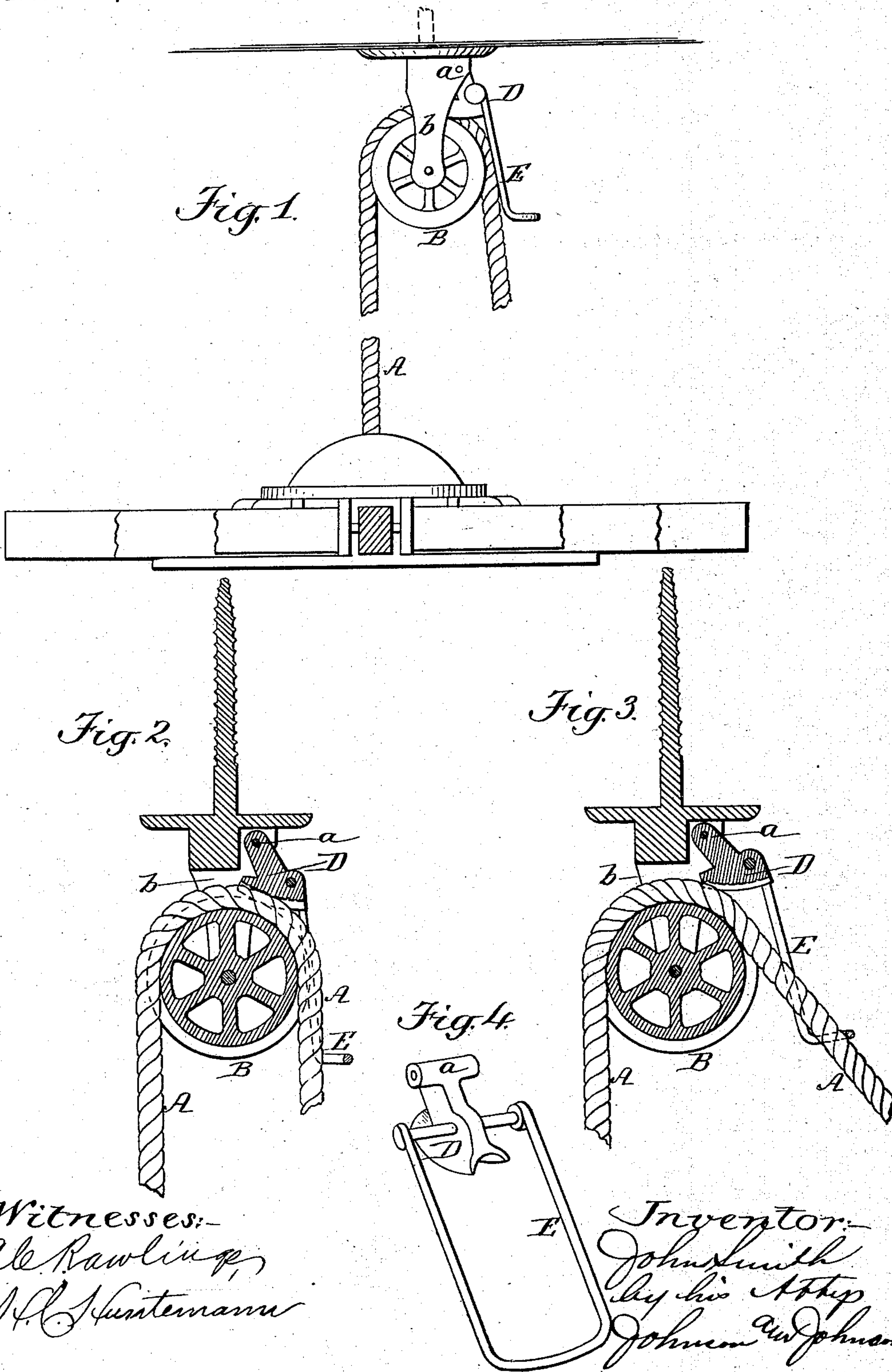


(No Model.)

J. SMITH.
SUSPENDER CLUTCH PULLEY.

No. 325,983.

Patented Sept. 8, 1885.



UNITED STATES PATENT OFFICE.

JOHN SMITH, OF COLUMBUS, OHIO.

SUSPENDER CLUTCH-PULLEY.

SPECIFICATION forming part of Letters Patent No. 325,983, dated September 8, 1885.

Application filed July 10, 1885. (No model.)

To all whom it may concern:

Be it known that I, JOHN SMITH, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have
5 invented new and useful Improvements in Suspenders Clutch-Pulleys, of which the following is a specification.

In a separate application filed of even date herewith, for a patent for improvements in
10 clothes-driers, I have shown and described a suspending clutch-pulley for use with the suspending-cord of said clothes-drying device, whereby said device may be held suspended at different heights from the ceiling without
15 other securement than the clutching of the suspending-cord to the suspending-pulley; but the present improvements in clutch-pulleys looking equally as well to the suspension of other devices—such as bird-cages—is herein
20 described and claimed.

The accompanying drawings show its use, however, only with reference to the suspension of a clothes-drier device.

In the said drawings, Figure 1 represents
25 in elevation the suspending clutch-pulley and a clothes-drying device suspended thereby; Fig. 2, a vertical section of the clutch-pulley, showing the parts as clutching the cord; Fig. 3, a similar view showing the manner of releasing the clutch, and Fig. 4 a detail of the
30 brake-shoe and its releasing-bail.

The device is screwed into the ceiling or to a cross-beam of any structure, or, if to a cross-beam, it might be held by a grapple. The
35 rope A passes over the grooved sheave B, which is journaled in the hanger, as usual; but the clutch is a shoe or brake, D, pivoted upon a pin, a, having its bearings in the hangers b b near the top above the sheave B, and to one
40 side of the central vertical line, and provided with a hanging yoke or bail-wire piece, E,

hanging at one side of sheave, as shown in the detail, Fig. 4. The rope A passes between this bail-yoke and the sheave B, and that part of the rope which is attached to the clothes-
45 drier rack or other article is automatically gripped by the pivoted shoe and thereby held.

When it is desired to release the action of the shoe upon the cord, it is only necessary to pull out the free hanging end of the cord at
50 an angle sufficient to lift the bail upward, since it bears upon that part of the cord. In so doing the pivoted shoe is raised by the yoke and the cord left free to move upon the sheave. In order to stop said movement at
55 any desired moment, it is only necessary to hold the free end of the rope, when the shoe, by reason of its position of pivot to one side of the central line of the hanger, falls by its own gravity to grasp the rope.
60

This suspending-pulley device may be used for all purposes for which it may be found useful in suspending anything for easy access.

The clothes-drying device, in its structure and combinations, is not claimed herein, as it
65 forms the subject-matter of my application for a patent hereinbefore referred to.

I claim—

The suspending clutch-pulley herein described, consisting of the hanger, the grooved
70 pulley, and the brake or shoe pivoted to said hanger, provided with a bail hanging at one side of the pulley outside of the rope, forming an automatic releasing device for the brake-shoe, substantially as herein set forth.
75

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOHN SMITH.

Witnesses:

ALLEN S. FETCH,
FRANK T. CLARKE.