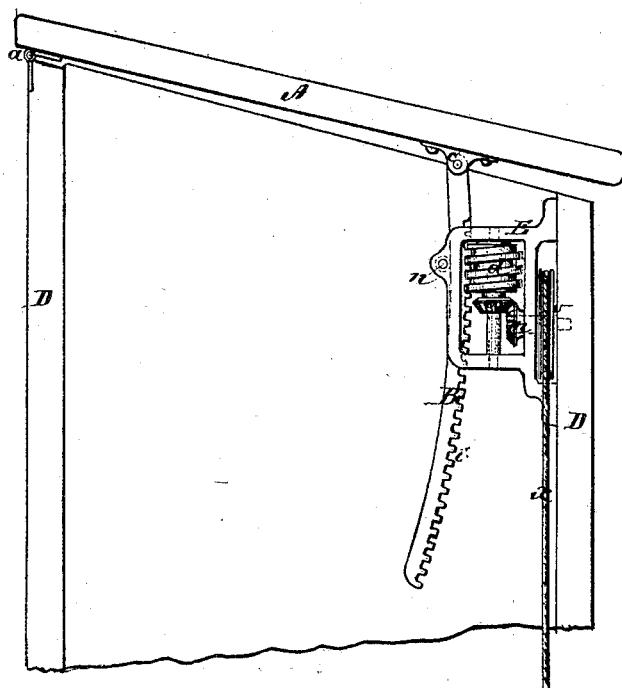


W. DYATT.

DEVICE FOR OPERATING SKYLIGHTS.

No. 108,572.

Patented Oct. 25, 1870.



Witnesses

Henry C. Proctor
John Christ

Inventor.

William Dyatt

United States Patent Office.

WILLIAM DYATT, OF NEW YORK, N. Y.

Letters Patent No. 108,572, dated October 25, 1870.

IMPROVEMENT IN DEVICES FOR OPERATING SKY-LIGHTS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, WILLIAM DYATT, of New York, in the county and State of New York, have invented a new and improved Device for Operating Sky-Lights, &c., of which the following is a specification.

In the accompanying drawing—

A represents a sky-light, hinged at one side *a* to its frame.

To the under side of this sky-light a segment, B, is hinged, capable of turning or swinging on the center-pin *c*, and provided on one side with teeth *b*, into which a worm-wheel, *d*, fixed in a suitable frame, E, attached to the framing D, is made to work.

The segment B moves in a suitable recess in the frame E, provided with a pin or friction-roller, *n*, bearing against the back of the segment B, so as to keep thereby the teeth of said segment always in gear with the worm-wheel *d*.

Upon the shaft of this worm-wheel a pinion, *r*, is fixed, meshing into a corresponding wheel, *m*, attached to a shaft, provided with a wheel or pulley, *w*, operated through the band or cord *x*.

When the cord *x* is pulled, either at one or at the other side, the pulley *w* will be turned in either one or the other direction, communicating thereby this motion through the gear-wheels *m* and *v* to the worm-

wheel *d*, which works into the teeth *b* on the segment B, and moves thereby this segment B, and consequently the sky-light A, either upward or downward, and from the nature of this gearing firmly secures this sky-light in any position the same may have been moved, without any further fastening.

In some cases the shaft of the worm-wheel *d* may be continued downward, and the gearing to operate the same applied at its lower end.

Instead of attaching the segment B directly to the sky-light A, the same may be applied to two levers, forming a knuckle-joint, one end of which is attached to the sky-light and the other end to the framing, while the segment is attached to the joint which connects the two levers.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination, with a sky-light, A, of the segment B, worm-wheel *d*, pin or friction-roller *n*, wheels *r* and *m*, pulley *w*, and cord *x*, operating together substantially as and for the purpose hereinbefore set forth.

WILLIAM DYATT.

Witnesses:

HENRY E. ROEDER,
JOHN CHRIST.