

No. 618,077.

Patented Jan. 24, 1899.

S. R. ELLIS.
THEATER APPARATUS.

(Application filed Apr. 15, 1898.)

(No Model.)

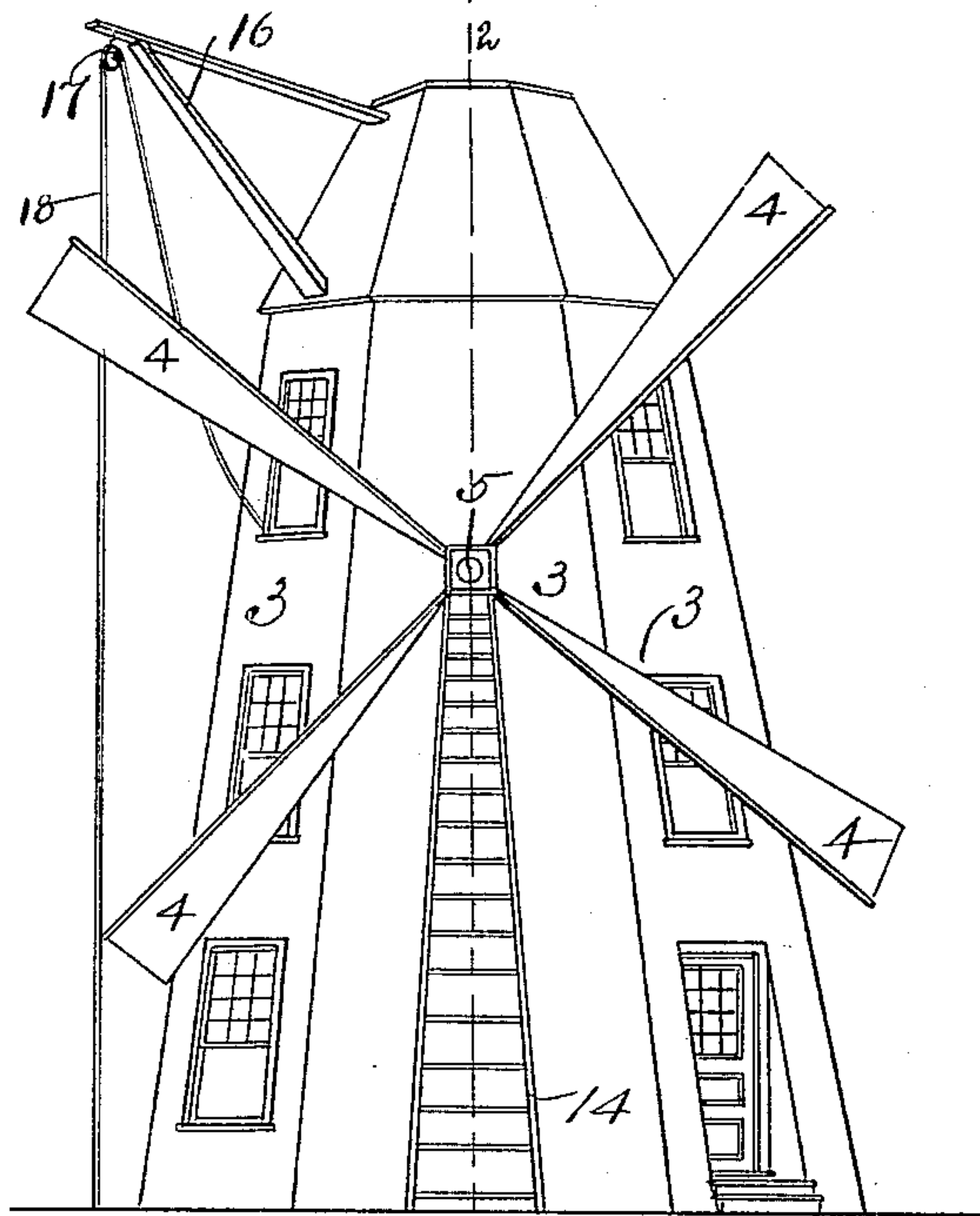


Fig. 1.

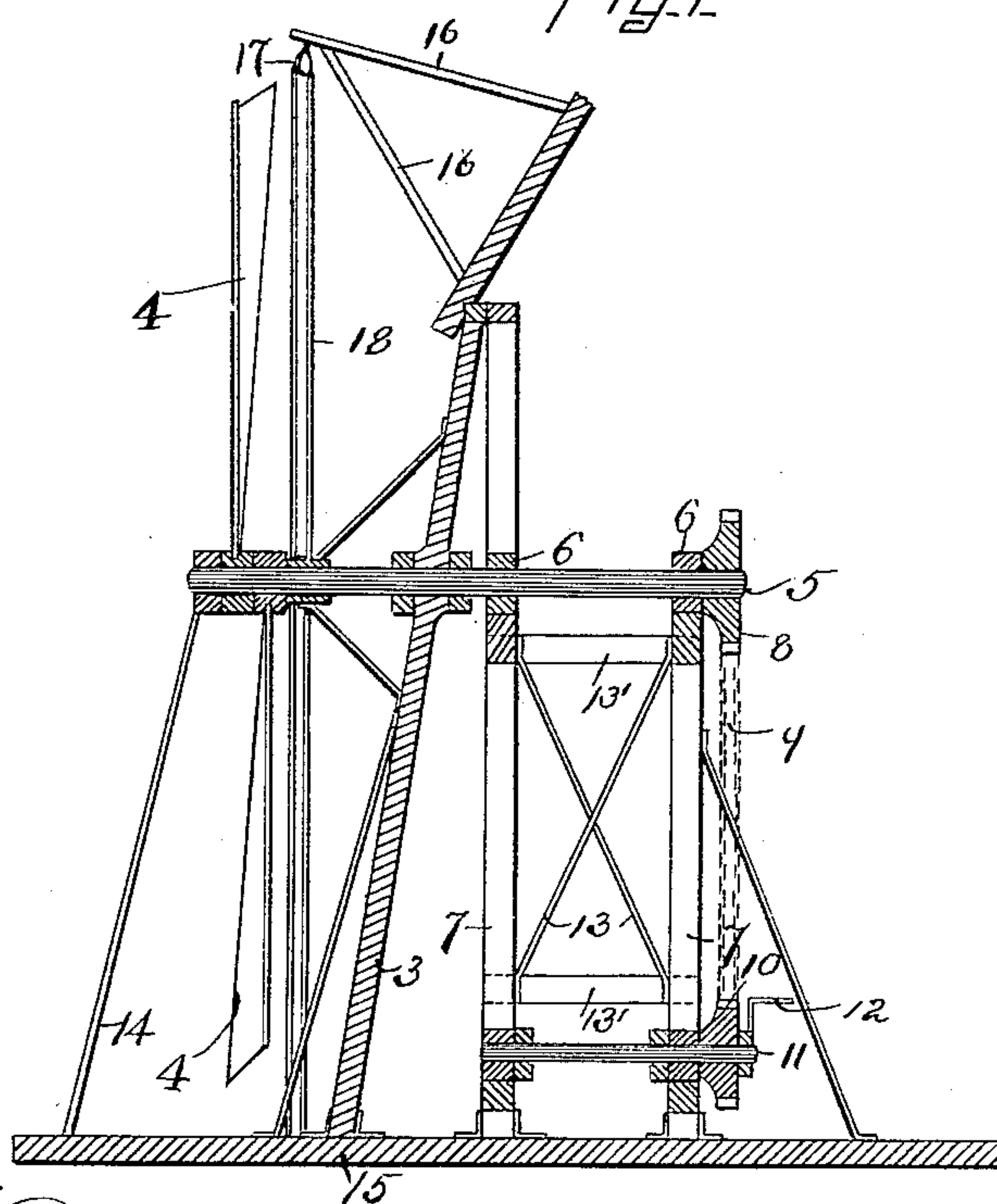


Fig. 2.

WITNESSES.

Harry M. Rugg
Herbert E. Noble

INVENTOR.

Sidney R. Ellis,
by his attorney
Charles S. Gooding.

UNITED STATES PATENT OFFICE.

SIDNEY R. ELLIS, OF NEW YORK, N. Y.

THEATER APPARATUS.

SPECIFICATION forming part of Letters Patent No. 618,077, dated January 24, 1899.

Application filed April 15, 1898. Serial No. 678,205. (No model.)

To all whom it may concern:

Be it known that I, SIDNEY R. ELLIS, a citizen of the United States, residing at New York city, in the State of New York, have invented a new and useful Improvement in Mechanical Devices for Theatrical Purposes, of which the following is a specification.

The object of the invention is to produce a representation of a windmill for use in stage-scenery the sails of which shall be capable of rotation by mechanical devices.

The invention consists in the combination and arrangement of parts set forth in the following specification and particularly pointed out in the claims thereof.

Like figures refer to like parts in both views of the drawings.

Referring to the drawings, Figure 1 is a front elevation of my device. Fig. 2 is a section-line 2 2, Fig. 1.

In the drawings, 3 3 3 are three sides of a representation of a windmill of the usual construction of stage-scenery. 4 4 4 4 are the sails of the same, fast to a shaft 5, having bearings 6 6 in the uprights 7 7. A sprocket-wheel 8 is connected by a sprocket-chain 9 to a sprocket 10, said sprocket 10 being rotated upon a shaft 11, having bearings in the standards 7 by means of a crank 12. The standards 7 are joined and braced by diagonal braces 13 and cross-braces 13'. The entire structure is further strengthened and prevented from tipping forward by the slanting brace 14, said brace being formed as a ladder and painted to represent vines and roses. The whole mechanism is supported upon a base 15.

To the roof of the windmill 3 are attached two braces 16 16, having a pulley 17 attached thereto, over which runs a rope 18.

The operation of the invention is as follows: The crank 12 is turned, revolving the sprocket 10, and through the chain 9 the sprocket 8 and shaft 5 are rotated, and also the sails 4, fast to said shaft. The sails 4 are made strong enough to sustain a man's weight, so that as the sails rotate men can catch onto them, either from the stage or by climbing up the ladder 14. At the same time men or any desired objects may be attached to the rope 18, pulled up, and passed through one of the windows of the mill 3.

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

1. A mechanical device for theatrical purposes, consisting of a representation of a windmill 3, 3, in combination with a frame 7, 7, having a shaft 5, adapted to rotate thereon, mechanism for rotating said shaft, windmill-sails 4, 4 fast thereto, and a ladder-brace 14, substantially as described, for the purpose specified.

2. A mechanical device for theatrical purposes consisting of a representation of a windmill 3, 3, in combination with a frame 7, 7, having a shaft 5 adapted to rotate thereon, a sprocket 8 and windmill-sails 4, 4, fast to said shaft, sprocket-chain 9, sprocket 10, and means for rotating said sprocket, and a ladder-brace 14, substantially as described for the purpose specified.

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

SIDNEY R. ELLIS.

Witnesses:

W. B. SUSKIND,
JAMES F. CROSSEN.