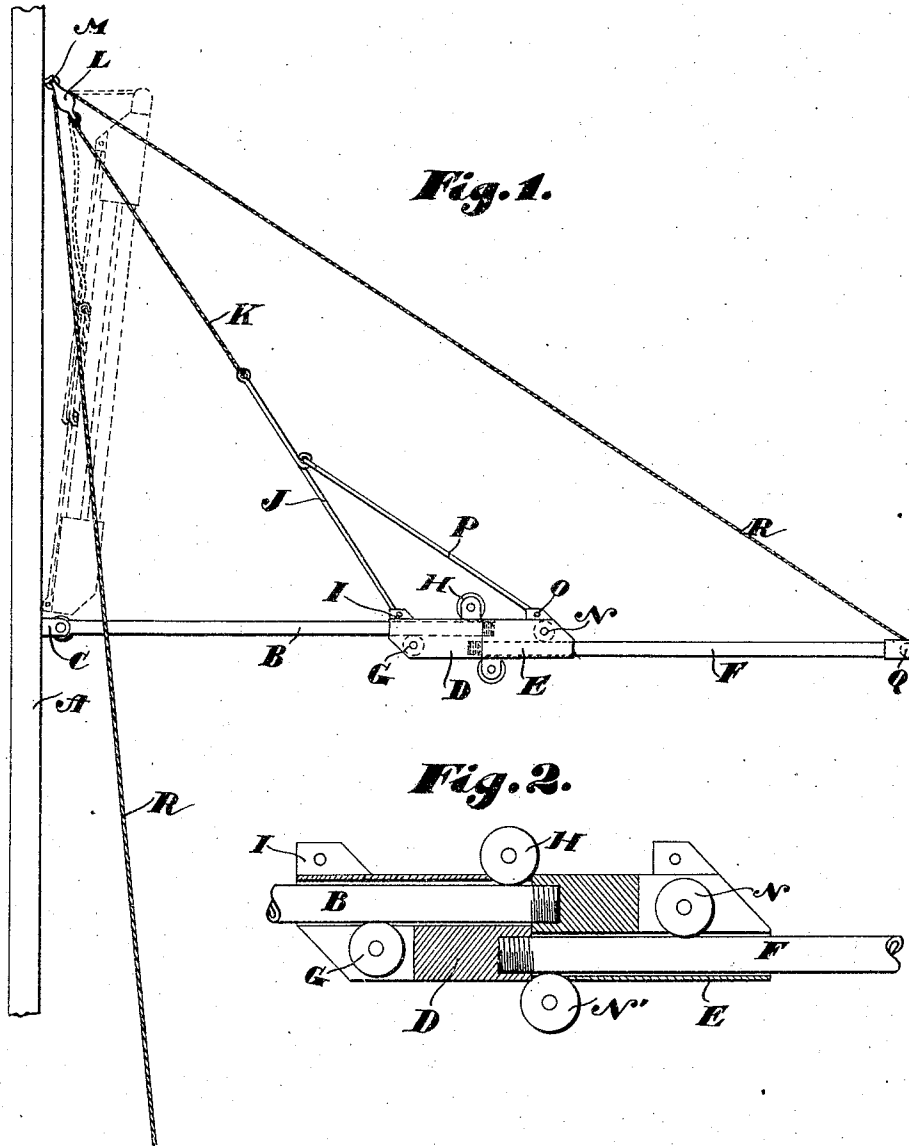


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PATENTED MAR. 21, 1905.

J. R. POWELL.
AWNING FRAME.
APPLICATION FILED AUG. 19, 1904.



WITNESSES
Wm. H. Burkholder
Margaret L. Richardson

INVENTOR
James R. Powell
BY *Hazard & Harpham*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JAMES R. POWELL, OF LOS ANGELES, CALIFORNIA, ASSIGNOR OF ONE-HALF TO HENRY T. HAZARD AND GEORGE E. HARPHAM.

AWNING-FRAME.

SPECIFICATION forming part of Letters Patent No. 785,435, dated March 21, 1905.

Application filed August 19, 1904. Serial No. 221,425.

To all whom it may concern:

Be it known that I, JAMES R. POWELL, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented new and useful Improvements in Awning-Frames, of which the following is a specification.

My invention relates to frames for awnings which are affixed to the side of a building and which are raised and lowered by means of suitable cords, ropes, and fixtures; and the object thereof is to provide an awning-frame in which the operative parts are protected from the weather by the awning and to provide for the attachment thereof to the building at a point higher thereon than can be done by the awning-frames in common use and to provide an awning-frame of simple construction that can be easily attached to the building and which is easily operated. I accomplish these objects by the awning-frame described herein, and illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of a fragment of the wall of a building with my improved awning-frame attached thereto, the awning being removed for clearness of illustration. Fig. 2 is a longitudinal section of the fixtures described herein.

In the drawings, A is the side wall of a building to which my awning-frame is secured. This awning-frame consists of rod B, pivotally secured in the bearing C, which bearing is attached to the building in the usual manner. Rod B passes through fixture D and is screwed into fixtures E or otherwise secured therein. Rod F passes through fixture E and is screwed into fixture D or otherwise secured therein. Fixture D has a roller G mounted therein in the lower inner end thereof and has secured to the front end thereof on the upper side roller H. These rollers provide a roller-bearing for rod B as it passes through fixture D, as hereinafter explained. At the rear end of fixture D and on the upper side thereof is lug I, to which is attached the supporting-rod J, whose upper end is secured by cord or rope K to pulley-frame L, which is secured by eyebolt M to the frame of the building.

Fixture E is provided with pulleys N and N', which provides rolling bearings for the rod F as it passes through said fixture. A lug O, secured to the top of this fixture, provides means for the attachment of rod T to the fixture. The other end of this rod is pivotally secured to the rod J at such point that it will hold fixture E in contact with fixture D when the rods B and F are at right angles to the face of the building. Rod J and cord K are likewise of a length to support fixture D when said bars are at right angles to the face of the buildings. If desired, rope K could be a metal rod; but I prefer a rope, as it is cheaper and more easily attached. It will be understood that the other side of the awning-frame is provided with like devices and that the two sides are united by a front bar Q, the end of which is shown in dotted lines in Fig. 1, the side bars being telescopic in the fixtures. An operating-rope R, secured at each side of the front bar, passes over the pulley in frame L and is operated in the usual manner. The awning is secured to the building and to the frame in the usual manner.

Now in the operation of the awning the frame, with the awning (not shown) secured thereto and to the building in the usual manner, is drawn upwardly until it assumes the position shown by the frame in dotted lines. It will be seen that as the front of the frame is drawn upwardly the fixtures D and E separate, and rod B passes through fixture D, and rod F passes through fixture E.

By this construction it will be seen that I have provided an awning-frame which is very easy in operation and that when the awning is in its closed position the parts are very compact and occupy less space on the front of the building than if the lower bar were a single bar, as is usually the case with awning-frames.

Another advantage in this construction is that the telescoping side bars have less tendency to swing from side to side when in a closed position than awning-frames in which the lower bars do not telescope, as such awning is closer to the pivoted supports when telescoping side bars are used when closed than it is when non-telescoping bars are used.

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

1. An awning-frame composed of sectional
5 side bars, said sectional side bars having fixtures on the contiguous ends thereof and one member being slidable through the fixture of the other member, the inner member being adapted to be pivotally secured to the front
10 of the building; a front bar secured to the outer ends of the outer sections; brace-rods secured to the fixtures of said sections at the opposite ends thereof and pivotally secured together at a point which will permit the side
15 bars to lie horizontally; means to support said brace-rods; and means to elevate and support said front bar.

2. An awning-frame having the side bars thereof composed of two sections, each section being slidable through a fixture secured
20 to the end of the other section; fixtures having roller-bearings therein upon the ends of

said sections; a front bar secured to the outer end of the outer sections of the side bars; a brace-rod secured to the inner end of the inner fixture; a supporting-rope secured to the other end of said supporting-rod and to a support secured to the side of the building; a second brace-rod secured to the first brace-rod and to the outer end of the outer fixture; operating-ropes secured to the outer end of the side bars and passing thence through fixtures secured to the side of the buildings and then down the side of the building; and said fixtures secured to the side of the building above
35 the side bars.

In witness that I claim the foregoing I have hereunto subscribed my name this 12th day of August, 1904.

JAMES R. POWELL.

Witnesses:

G. E. HARPHAM,
HENRY T. HAZARD.