No. 703,146. Patented June 24, 1902.

J. A. McANULTY.

OBSERVATION TOWER.

(Application filed Jan. 9, 1901.)

(No Model.) 2 Sheets—Sheet 1.

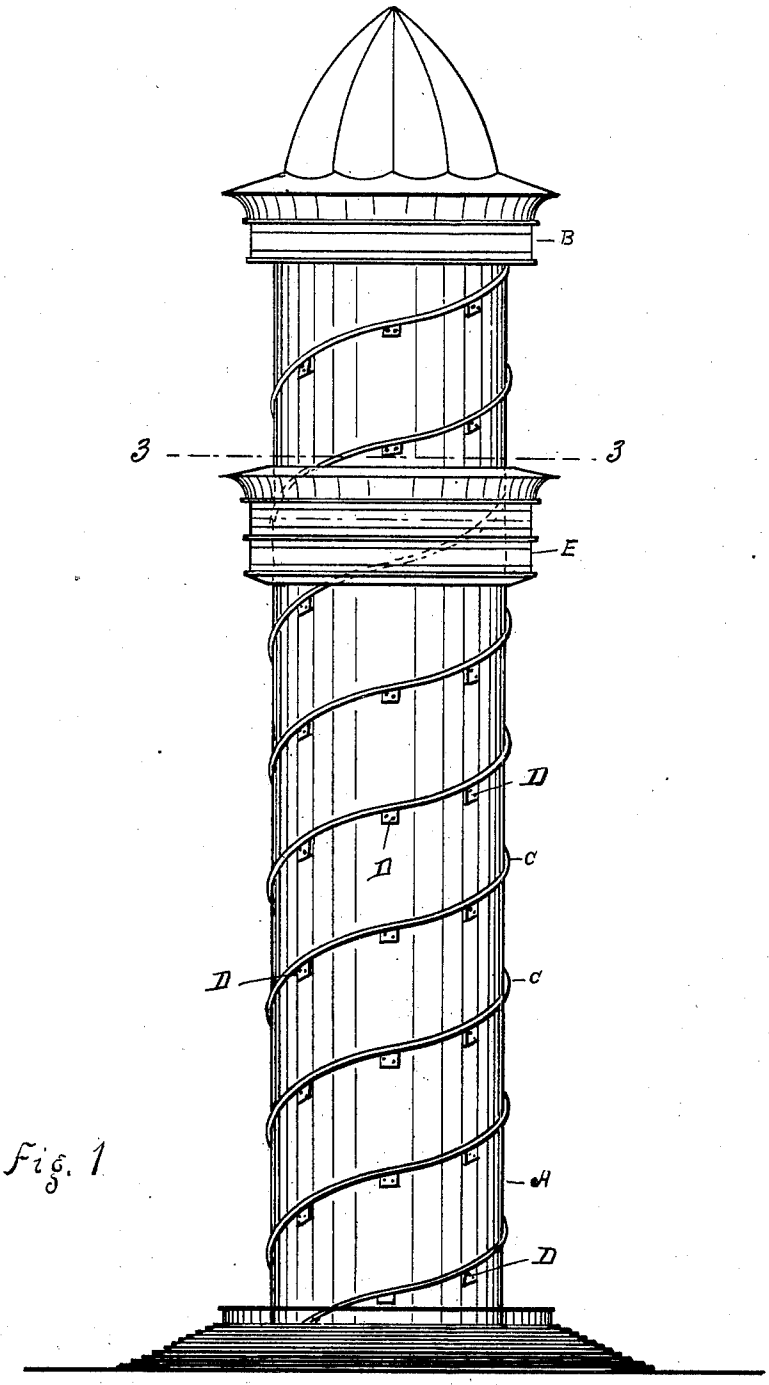

Fig. 1

Witnesses Paul Ettinger
Marguerite J. Ettinger

John A. McAnulty Inventor

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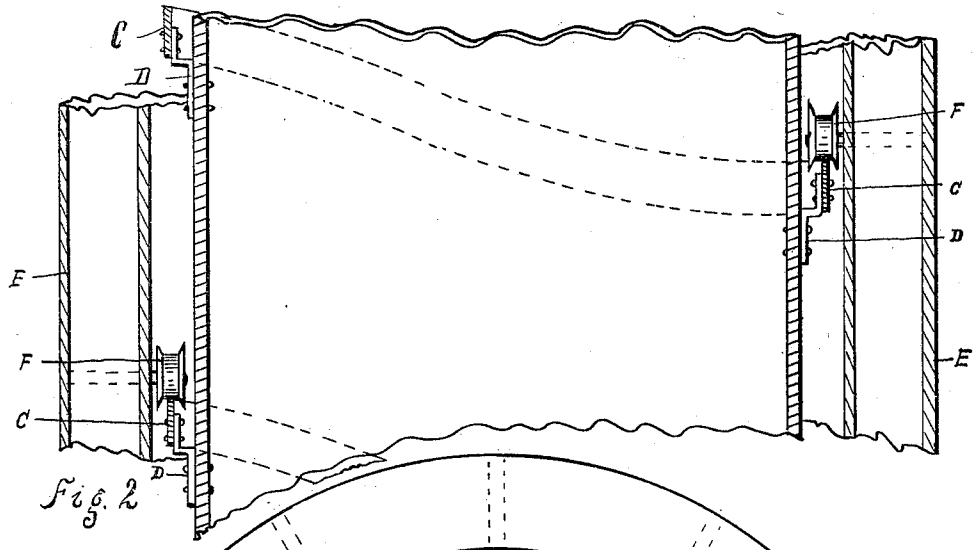

Fig. 2

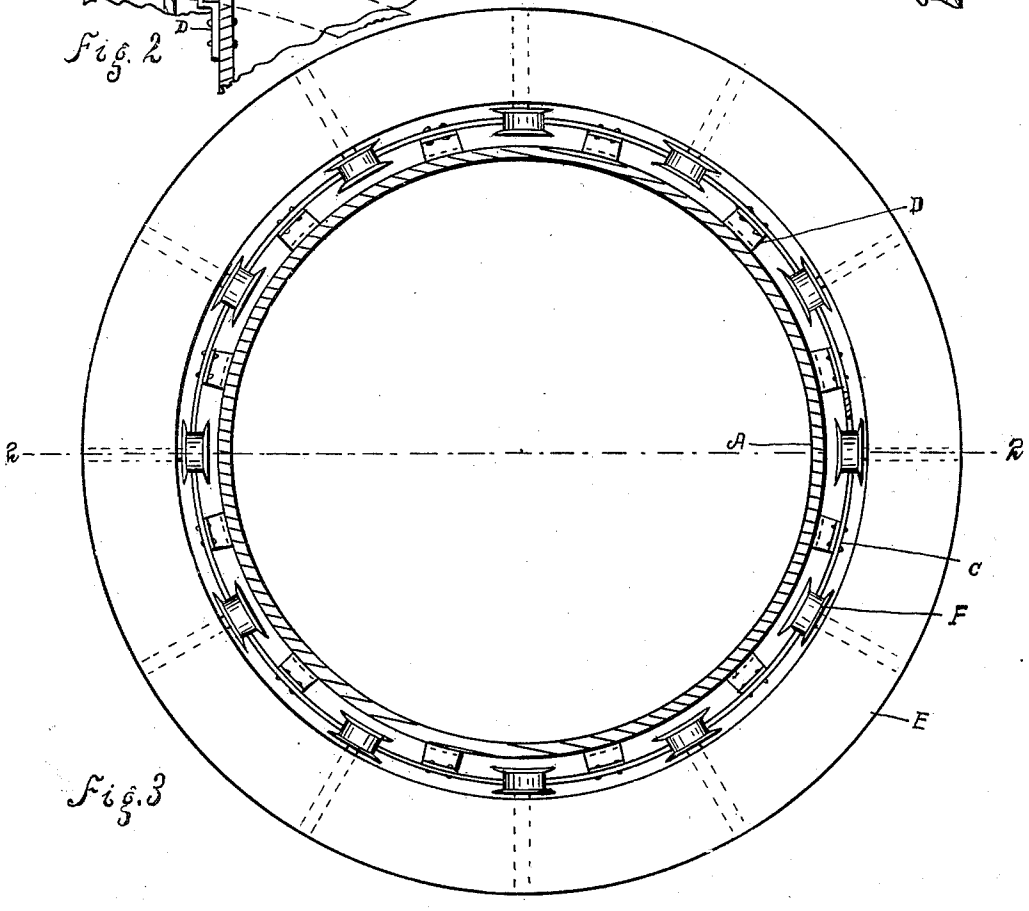

Fig. 3

Witnesses
Paul Ettinger
Marguerite J. Ettinger.

John A. McAnulty Inventor

UNITED STATES PATENT OFFICE.

JOHN A. McANULTY, OF HAMILTON, OHIO.

OBSERVATION-TOWER.

SPECIFICATION forming part of Letters Patent No. 703,146, dated June 24, 1902.

Application filed January 9, 1901. Serial No. 42,660. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. McANULTY, a citizen of the United States, residing at Hamilton, in the county of Butler and State of Ohio, have invented certain new and useful Improvements in Observation-Towers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My improvements relate to towers.

My invention is particularly designed for use as an observation-tower for the purpose of carrying a passenger-car up and down the tower. For these purposes my invention consists in the following construction and combination of parts, the details of which will fully be described and the novel features thereafter set forth and claimed.

Figure 1 represents an elevation of a tower and car to which I have applied my improvements. Fig. 2 represents a vertical sectional view taken on line 2 2 of Fig. 3, partly broken away; and Fig. 3 represents a transverse section thereof, taken on line 3 3 of Fig. 1. Both the latter figures are upon an enlarged scale.

A represents a tower or column. It is preferably constructed of hollow cylindrical form, and it may be in one piece or composed of sections designed after any of the improved methods. I contemplate extending this column as high as the present state of the building arts will permit. It may be of any height.

Around the column A are formed a series of rails C, spirally encompassing the column from top to bottom and having any grade compatible with safety. These rails are secured to the column A by a series of brackets, as D, at a sufficient distance outwardly from the column to permit the wheels of a car to run thereon.

The top of the column may be surmounted by an observatory B, of any approved design, or the top may be provided with a cap. The brackets D are sufficient in number to rigidly support the spiral rails C.

An annular observation-car E is provided which surrounds the column A and is provided with a series of wheels F, journaled to the car at such points that each wheel will have a uniform bearing upon the spiral rail C. Any suitable power may be applied for the purpose of causing the car E to revolve about the column upon the rail C, whereby the car will be rotated and propelled up and down the column, thus imparting to the car a compound movement. The car is under the control of an operator. The car may be provided with windows to enable the passengers to view the surrounding country in all directions as the ascent and descent are being made. When the car is at the top of the tower, the passengers may enter the observatory B, if desired.

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

In an observation-tower, the combination of a stationary central column, a spiral rail supported upon the exterior of the same, a rotatable car adapted to travel upon said rail, axles mounted radially upon the car and having journals thereon projecting inwardly, and adjacent to the exterior of the column, and wheels mounted upon said inwardly-projecting radial journals.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN A. McANULTY.

Witnesses:
PAUL ETTINGER,
MARGUERITE J. ETTINGER.