

No. 808,508.

PATENTED DEC. 26, 1905.

C. M. BOWMAN.
HOSE SPIDER.

APPLICATION FILED APR. 14, 1905.

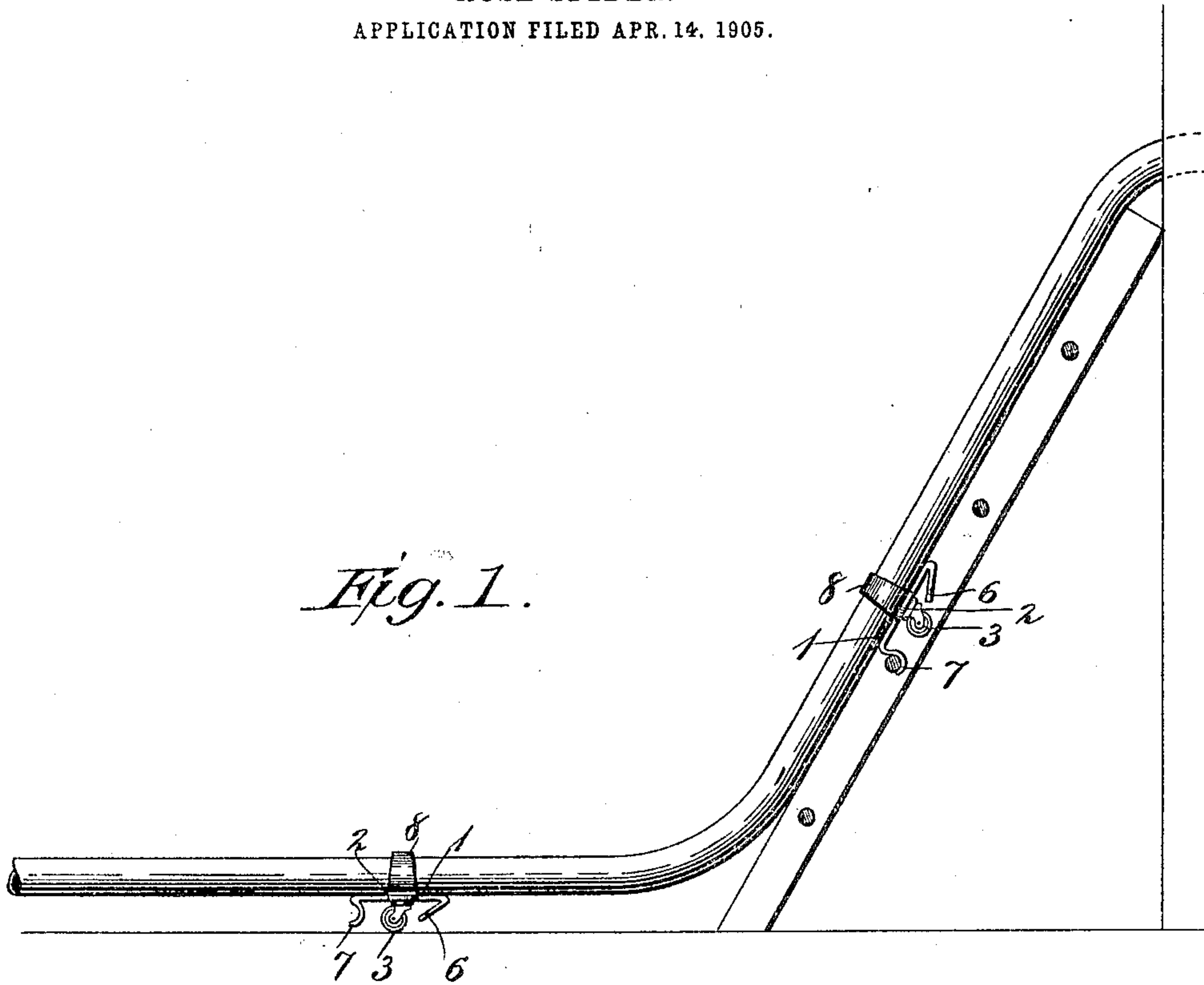


Fig. 2.

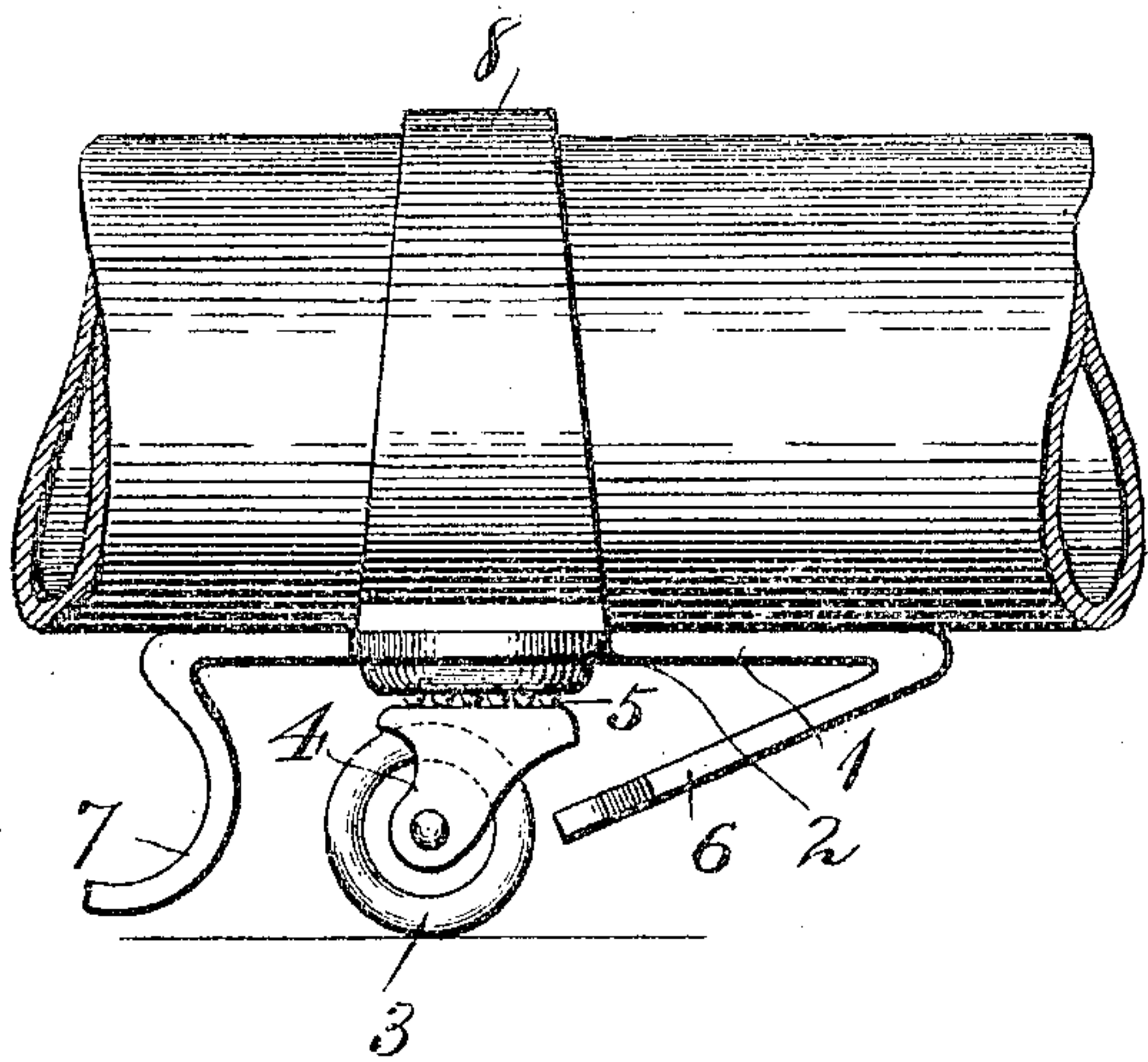
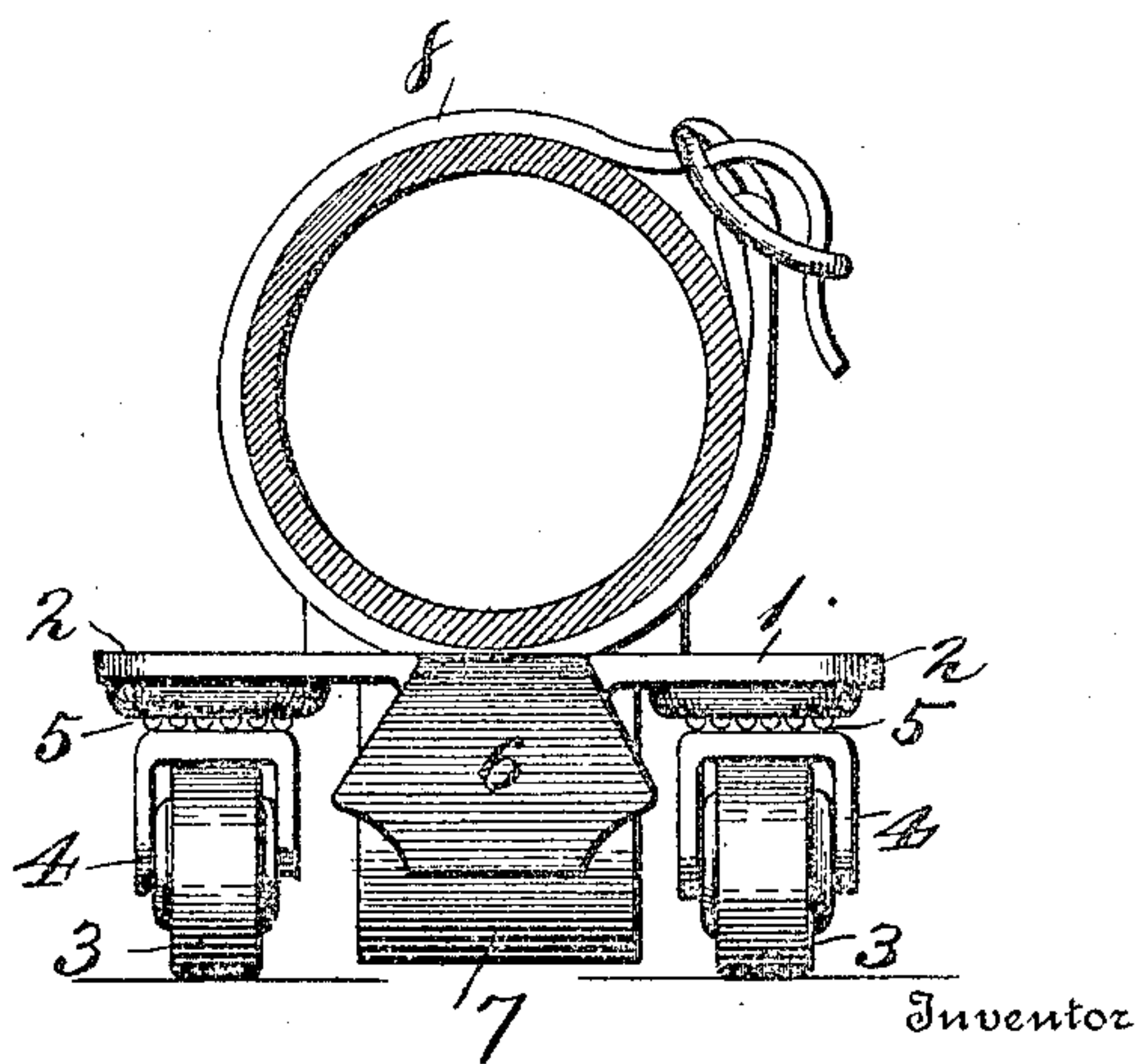


Fig. 3.



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UNITED STATES PATENT OFFICE.

CHARLES M. BOWMAN, OF LEBANON, PENNSYLVANIA.

HOSE-SPIDER.

No. 808,508.

Specification of Letters Patent.

Patented Dec. 26, 1905.

Application filed April 14, 1905. Serial No. 255,615.

To all whom it may concern:

Be it known that I, CHARLES M. BOWMAN, a citizen of the United States, residing at Lebanon, in the county of Lebanon and State of Pennsylvania, have invented certain new and useful Improvements in Hose-Spiders; and I do hereby 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.

My invention relates to means for facilitating the handling or manipulation of hose by firemen, and has for its object the reduction in wear of hose caused by dragging the hose on rough surfaces—such as paved streets either macadamized, concrete, or asphalt—and the labor incident thereto and the supporting of hose upon a ladder while the firemen are at work in a burning building.

The invention consists in a hose-spider, which will be fully described in the following specification and claim.

In the accompanying drawings, which form part of this specification, Figure 1 represents a side elevation of a section of hose equipped with my hose-spider; Fig. 2, a vertical transverse section, and Fig. 3 a side elevation of the same.

Reference being had to the drawings and the designating characters thereon, 1 designates the base or body; 2 2, lateral y-extending lugs thereon, to which are attached or connected wheels or casters 3 3, revoluble on their extensions 4 4 and provided with ball-bearings 5 to accommodate the spider to any position the hose may assume.

6 is a shoe on the front end of the base inclined downward to engage the rungs of a ladder and ride thereon until the wheels 3 3 strike the rung and roll thereon while the hose is being drawn up the ladder for service in or on a burning building.

7 is a hook on the rear end of the base, by which the spider is connected to a rung of a ladder to support the weight of the hose on the ladder and relieve the firemen, as shown in Fig. 1.

8 is a strap provided with a buckle, or other preferred means may be employed for securing the spider to a hose.

The spiders having been secured to a section of hose at suitable distances, the hose may be drawn across a street, pavement, or floor with ease and facility, and the hose is thereby relieved of the wear incident to dragging the hose in contact with the street, pavement, or floor. In drawing hose up a ladder the spider rides on the rungs and may be suspended thereon at any desired point or points, thus relieving the hose of the strain due to its being suspended from a window-sill or the upper end of the ladder. Hose thus relieved of wear and tear by the spider is capable of use much longer than at present, and the cost of maintenance is greatly reduced, while the labor incident to handling the hose at a fire is also greatly reduced.

Having thus fully described my invention, what I claim is—

A hose-spider having a metallic body provided with laterally-extending lugs, wheels revolubly secured to the lugs, a downwardly and rearwardly extending shoe in front of the lugs and on the lower side of the body, a hook in rear of the lugs, and means for securing the spider to hose.

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

CHARLES M. BOWMAN.

Witnesses:

HARRY RISSER,
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