

No. 841,108.

PATENTED JAN. 15, 1907.

D. BOYCE.
FIRE APPARATUS.
APPLICATION FILED JULY 10, 1906.

Fig. 2.

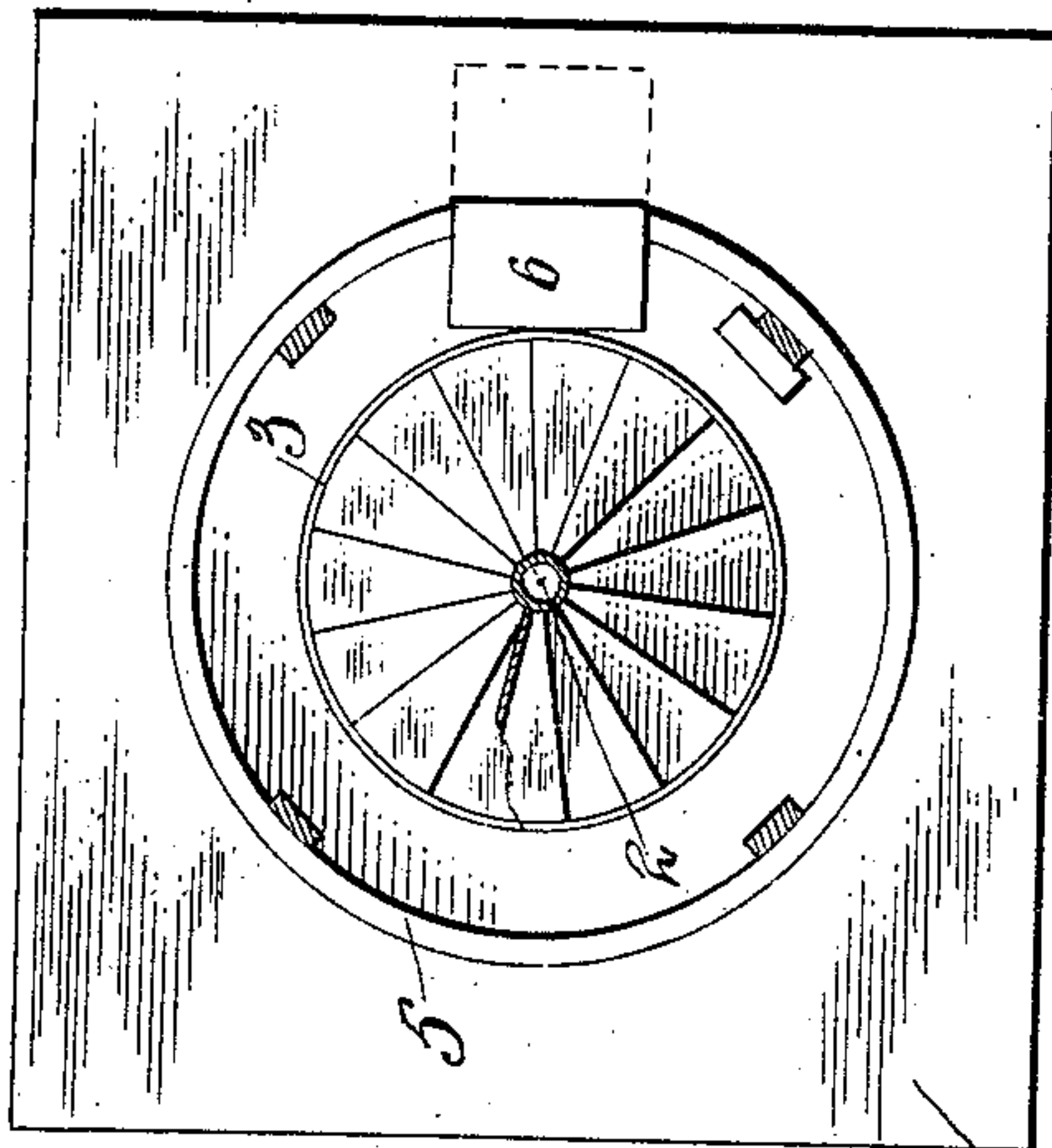


Fig. 3.

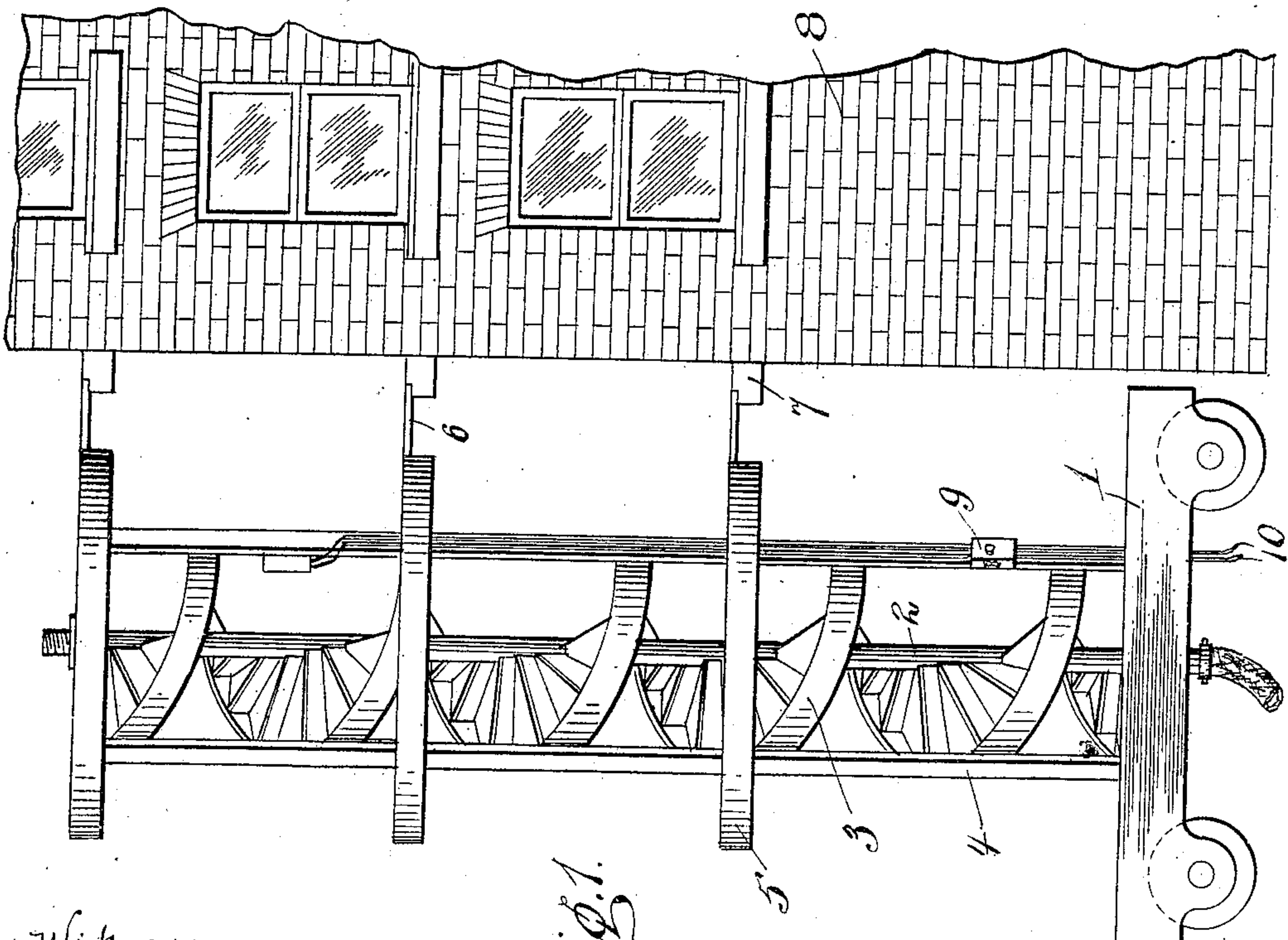
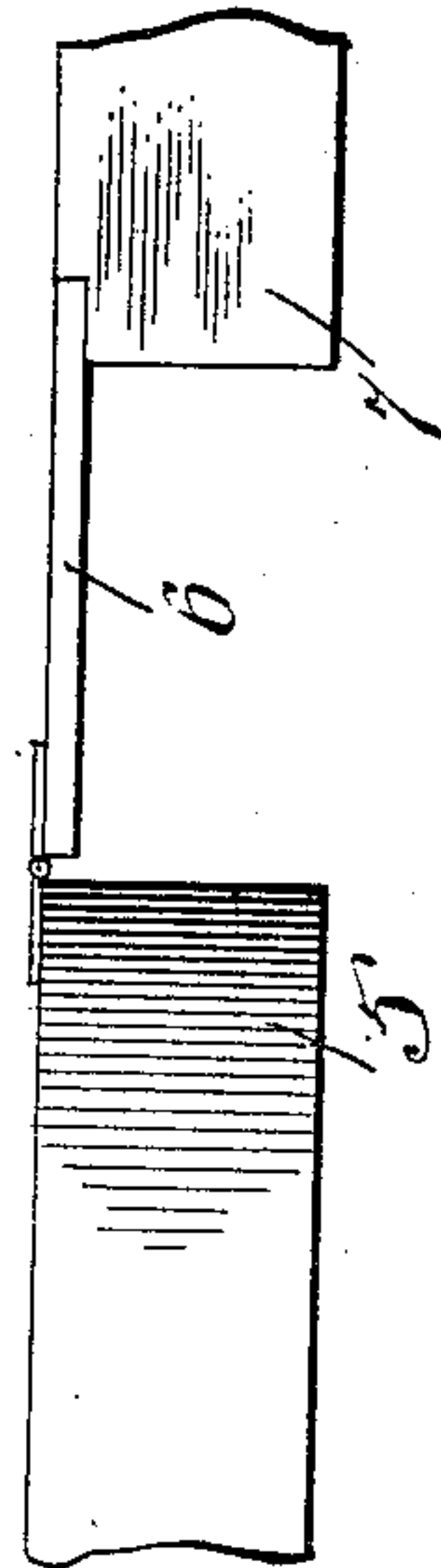


Fig. 1.

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UNITED STATES PATENT OFFICE.

DANIEL BOYCE, OF CAMDEN, PENNSYLVANIA.

FIRE APPARATUS.

No. 841,108.

Specification of Letters Patent.

Patented Jan. 15, 1907.

Application filed July 10, 1906. Serial No. 325,498.

To all whom it may concern:

Be it known that I, DANIEL BOYCE, a citizen of the United States of America, residing at Camden, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Fire Apparatus, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to fire apparatus; and the invention has for its object to provide a combined fire-escape and water-tower or stand-pipe.

15 Another object of this invention is to provide a simple and inexpensive fire apparatus that can be taken to the seat of a fire and used either as a water-tower or fire-escape, as the occasion may demand.

20 To this end I have devised a novel vehicle consisting of a body portion having a stand-pipe which is surrounded by a spiral stairway. The spiral stairway is further supported by a plurality of standards which support a plurality of platforms. The number
25 of platforms and the height of the apparatus entirely depend upon the character of the building and the community in which it is located for the protection of said building. The platforms of the apparatus are provided
30 with hinged plates adapted to be swung into engagement with the window-sills of a building when the apparatus is placed in position to be used as a fire-escape.

35 The detail construction of my improved apparatus will be hereinafter more fully described in detail and then specifically pointed out in the appended claim.

40 Referring to the drawings forming part of this specification, like numerals of reference designate corresponding parts throughout the several views, in which—

Figure 1 is a side elevation of my improved apparatus, illustrating the same in

position to be used as a fire-escape. Fig. 2 is a horizontal sectional view of the apparatus. Fig. 3 is a detail elevation of a portion of the apparatus, illustrating one of the hinged plates thereof.

My improved apparatus consists of a suitable truck 1, centrally of which is mounted a vertically-disposed stand-pipe 2, the ends of said stand-pipe being threaded, whereby sections of hose or nozzles can be connected to the stand-pipe. Surrounding the stand-pipe is a spiral stairway 3, the outer edges of said stairway being supported and braced by four vertically-disposed standards 4. The standards support platforms 5, which are provided with hinged plates 6, adapted to be swung outwardly to engage the window-sill 7 of a building 8. One of the standards is provided with telephones 9, the wires 10 of which can be connected to a telephone-circuit, (not shown,) whereby the telephones can be used by firemen to transmit messages to the chief fireman in charge of the apparatus or to the headquarters of the fire-department.

I do not care to confine myself to the height of the apparatus or to the number of platforms used in connection with the same.

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

A fire apparatus embodying a truck, a vertically-disposed stand-pipe carried by said truck, spiral stairs surrounding said pipe, standards supporting said stairs, platforms carried by said standards, and hinged plates carried by said platforms, substantially as described.

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

DANIEL BOYCE.

Witnesses:

H. C. EVERT,
MAX H. SROLOVITZ.