

M. J. Bendall,

Caloric Street Roller.

No. 90,663,

Patented Nov. 9, 1869.

Fig. 1.

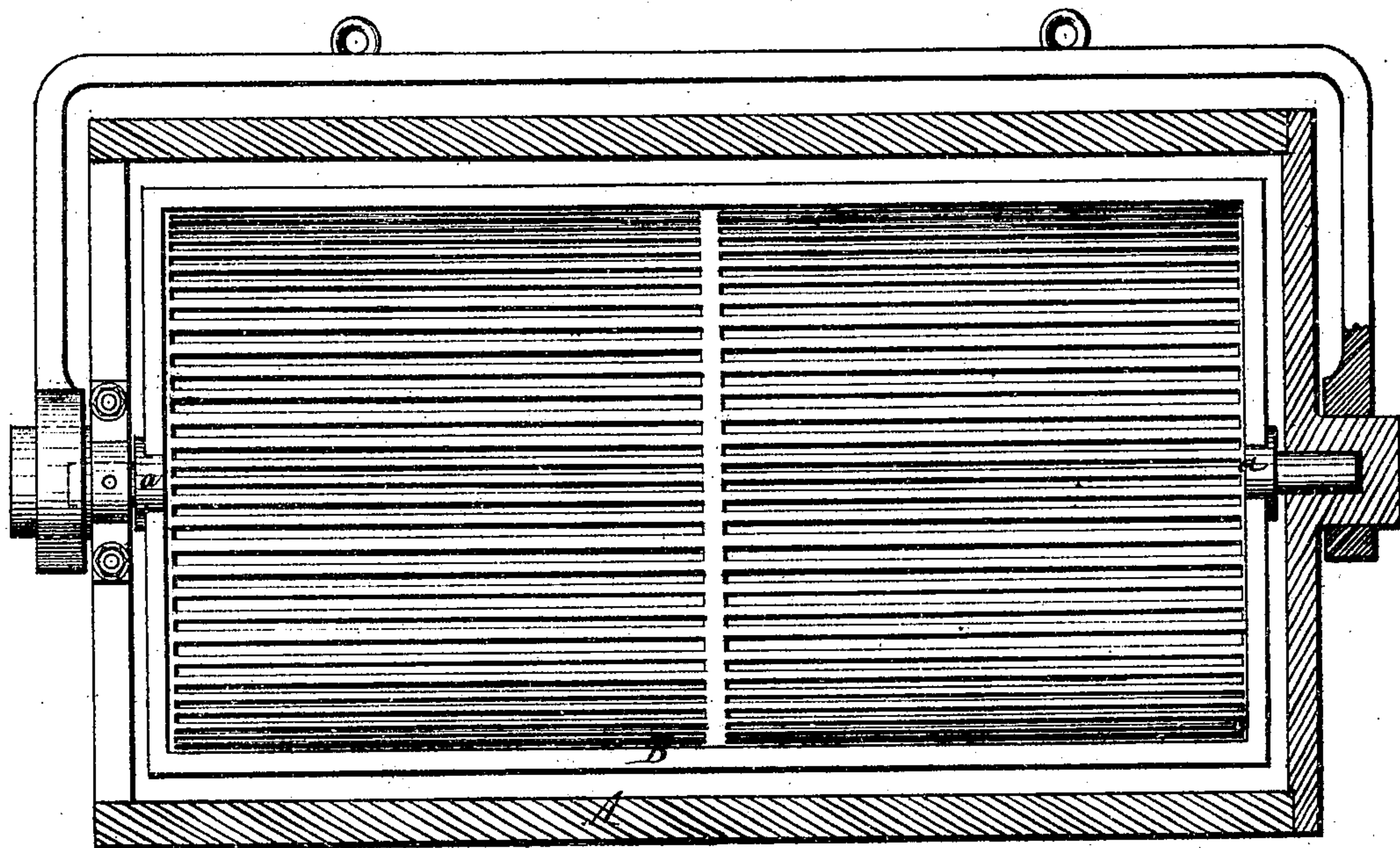
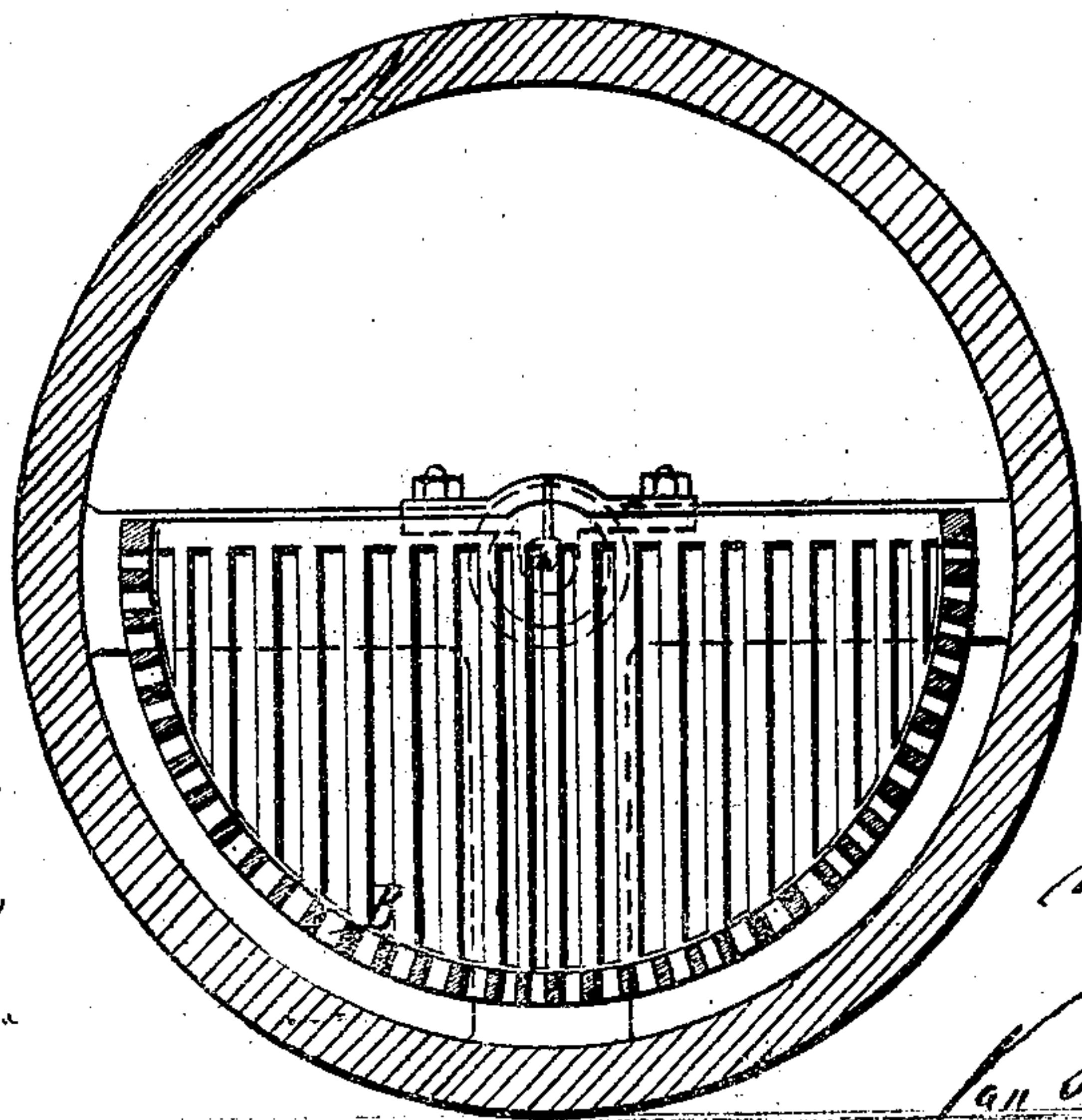


Fig. 2.



Witnesses.

C. Mahler
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Inventor.

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per
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United States Patent Office.

M. J. BENDALL, OF NEW YORK, N. Y.

Letters Patent No. 96,663, dated November 9, 1869.

CALORIC STREET-ROLLER.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, M. J. BENDALL, of the city, county, and State of New York, have invented a new and improved Caloric Street-Roller; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which drawing—

Figure 1 represents a horizontal central section of this invention.

Figure 2 is a transverse section of the same.

Similar letters indicate corresponding parts.

This invention consists in the arrangement of a fire-grate in the interior of a street-roller, in such a manner, that by means of a fire built on said grate, the roller can be heated and kept hot while it is being used, and thereby the operation of rolling concrete walks or pavements materially facilitated.

In the drawing, the letter A designates a street-roller made in the form of an annular cylinder of cast-iron, or any other suitable material, in the usual manner.

In the interior of this hollow cylinder, I place a fire-grate, B, which, by preference, will be made in the form of a semi-cylinder, and suspended from gudgeons, a, projecting from the centres of the open heads of the rollers, as shown in the drawing.

The bottom and ends of the semi-cylindrical grate B are perforated or made in the form of slats, so that the air has free access to the fuel on the grate. The roller may be provided with movable caps which can be inserted into the ends, so that the heat of the fire may be confined to the interior of the roller when desirable.

One or both of the open heads of the roller will be so constructed that the same can be taken out for the purpose of facilitating the operation of inserting or removing the grate.

By this arrangement of a fire-grate in the interior of a street-roller, such roller can be readily heated and kept hot while the same is being used, and thereby much time and labor are saved, particularly in rolling pavements or walks made of concrete, or any other compound which requires heat while being rolled.

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

The arrangement of a fire-grate in the interior of a street-roller, substantially as and for the purpose set forth.

This specification signed by me, this 11th day of October, 1869.

M. J. BENDALL.

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.