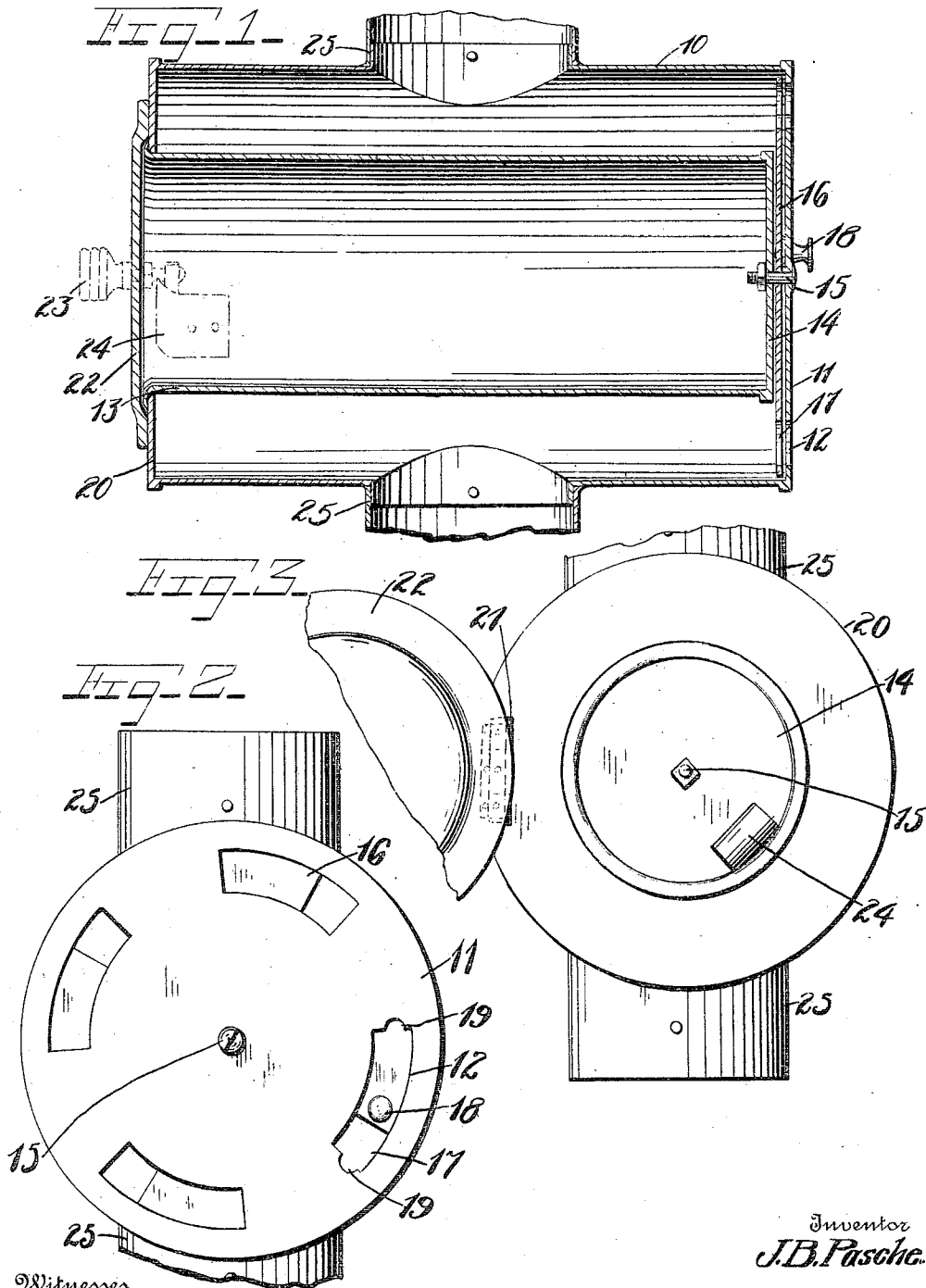


J. B. PASCHE.
STOVEPIPE DRUM.
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979,400.

Patented Dec. 20, 1910.



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UNITED STATES PATENT OFFICE.

JOHN B. PASCHE, OF SNYDER, TEXAS, ASSIGNOR TO C. M. MITCHELL, OF SNYDER, TEXAS.

STOVEPIPE-DRUM.

979,400.

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To all whom it may concern:

Be it known that I, JOHN B. PASCHE, a citizen of the United States, residing at Snyder, in the county of Scurry, State of Texas, have invented certain new and useful Improvements in Stovepipe-Drums; 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.

This invention relates to stove pipe drums and its principal object is to improve the general construction of devices of this character so that they may be both readily cleaned and that the temperature of the inner drum may be regulated.

With the above and other objects in view, the invention consists in general of a device of this kind including an inner drum, an outer drum and certain other features of novel and improved construction.

The invention further consists in certain novel details of construction and combinations of parts hereinafter fully described, illustrated in the accompanying drawings, and specifically set forth in the claims.

In the accompanying drawings, like characters of reference indicate like parts in the several views, and:—Figure 1 is a longitudinal section through a drum constructed in accordance with this invention. Fig. 2 is a view of the back end of such a drum. Fig. 3 is a view of the front end of the drum, the door being open and partially broken away.

The invention consists in an outer drum 10 having a fixed back head 11 secured thereto and this back head is provided with a series of slots 12 adjacent its periphery. At 13 is an inner drum which is provided with a back head 14, this back head being spaced slightly from the back head 11. In order to hold these two heads in proper relation there is provided a centrally disposed bolt 15 and on this bolt is pivoted a damper plate 16, the plate thus being held between the two back heads 11 and 14. The plate 16 is provided with a series of slots 17 similar to the slots in the back head of the outer end and adapted to register with said slots when the plate is rotated to the proper position. In order to rotate this plate the latter has secured thereto a finger grip 18 which projects through one of the slots 12, the specific slot being provided with recessed

portions 19 at the ends to permit the full movement of the plate 16. By means of this finger grip the plate 16 may be rotated on its pivot so that the slots 12 may be opened to any desired degree.

The space between the front ends of the drums 10 and 13 is closed by means of a permanent annular closure 20, this closure being imperforate. Secured to the closure 20 by means of a hinge 21 is a door 22 which serves to close the front end of the inner drum. Adjacent one side of this door, preferably directly opposite the hinge 21, is a turn button 23 which is adapted to engage a keeper 24 so that the door, when closed, may be held in closed position.

Oppositely disposed stove pipe connections 25 are provided in the outer drum and it is preferred that these connections be arranged vertically with respect to each other so that the hot gases rising through the lower of the connections will pass evenly around both sides of the inner drum and out of the upper connection 25.

By means of the damper plate 16 the temperature of the inner drum may be regulated, the slots 12 being opened when it is desired to cool the inner drum and closed when it is desired to have the inner drum as hot as possible. Furthermore, when the slots are fully opened a small scraper may be employed to draw the accumulated soot out of the drum or to push it down through the lower stove pipe connection, as may be desired.

There has thus been provided a simple and efficient device of the kind described and for the purpose specified.

Having thus described the invention, what is claimed as new, is:—

1. In a device of the kind described, an outer drum having a fixed back head provided with a series of slots adjacent its periphery, an inner drum having a back head slightly spaced from the back head of the outer drum, a centrally disposed bolt connecting said heads, a damper plate pivoted on said bolt and having a series of slots similar to the slots in the back head of the outer drum and adapted to register therewith, and means projecting through the outer drum to rotate said damper on its pivot.

2. In a device of the kind described, an outer drum having a fixed back head provided with a series of slots adjacent its pe-

riphery, an inner drum having a back head slightly spaced from the back head of the outer drum, a centrally disposed bolt connecting said heads, a damper plate pivoted
5 on said bolt and having a series of slots similar to the slots in the back head of the outer drum and adapted to register therewith, means projecting through the outer drum to rotate said damper on its pivot, a
10 permanent annular closure between the front

ends of said drums, a swinging door for the front end of the inner drum, and stove pipe connections oppositely disposed intermediate the ends of said outer drum.

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

JOHN B. PASCHE.

Witnesses:

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