W. M. SHARP.

ASH RECEIVING DEVICE.

APPLICATION FILED JUNE 21, 1909.

946,469.

Patented Jan. 11, 1910.

3 SHEETS—SHEET 1.

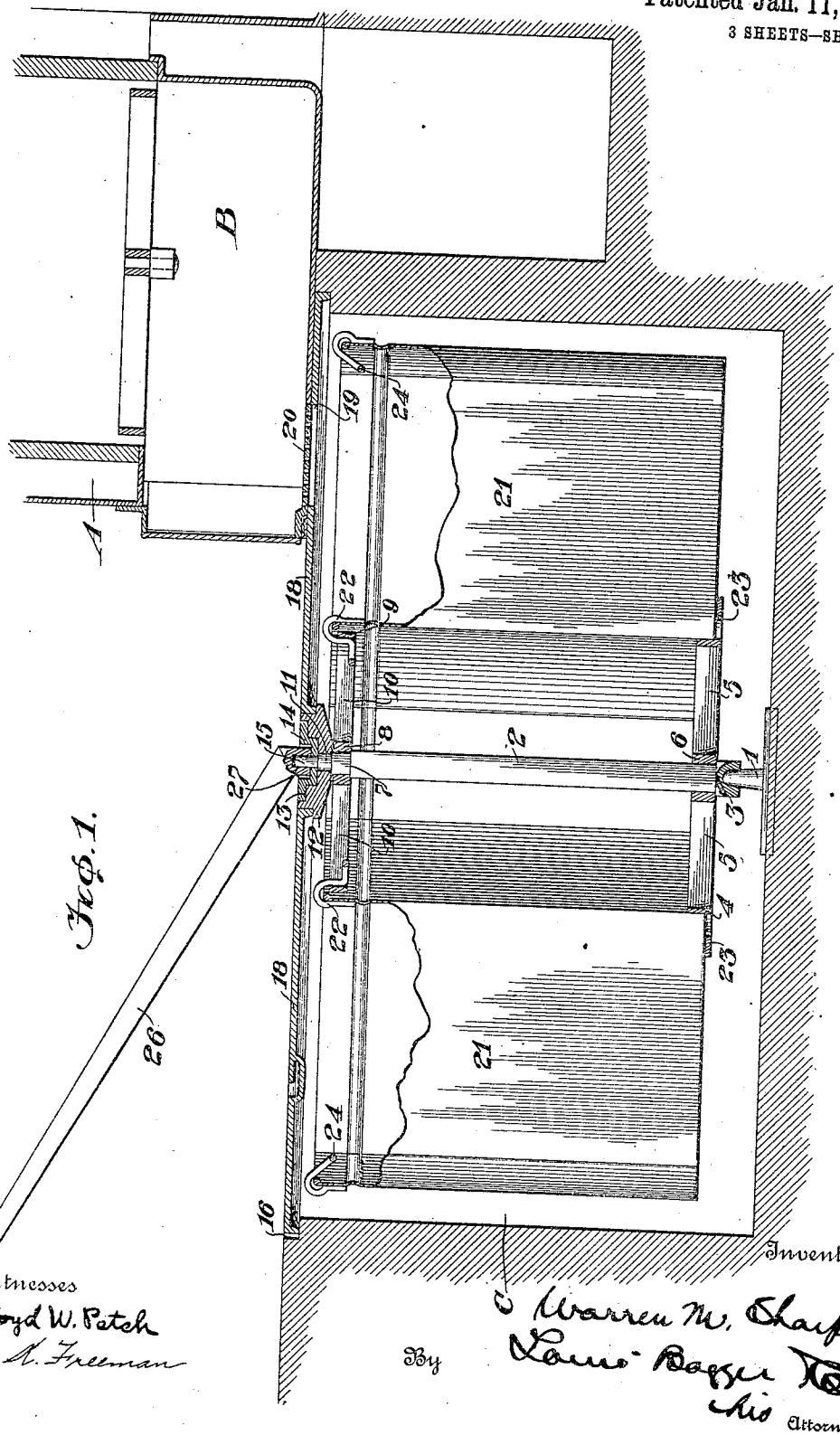

Fig. 1.

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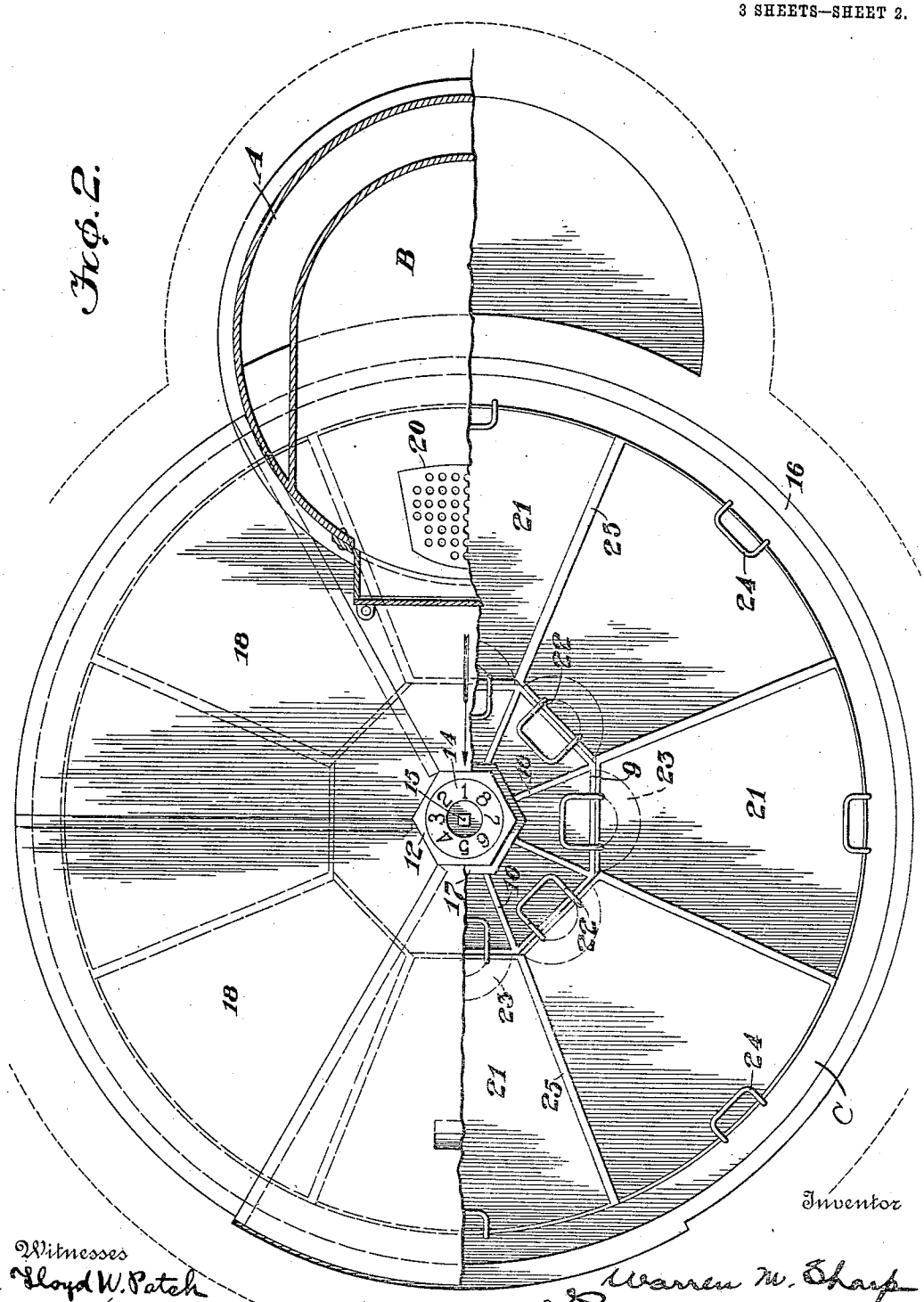
3 SHEETS—SHEET 2.

Fig. 2.



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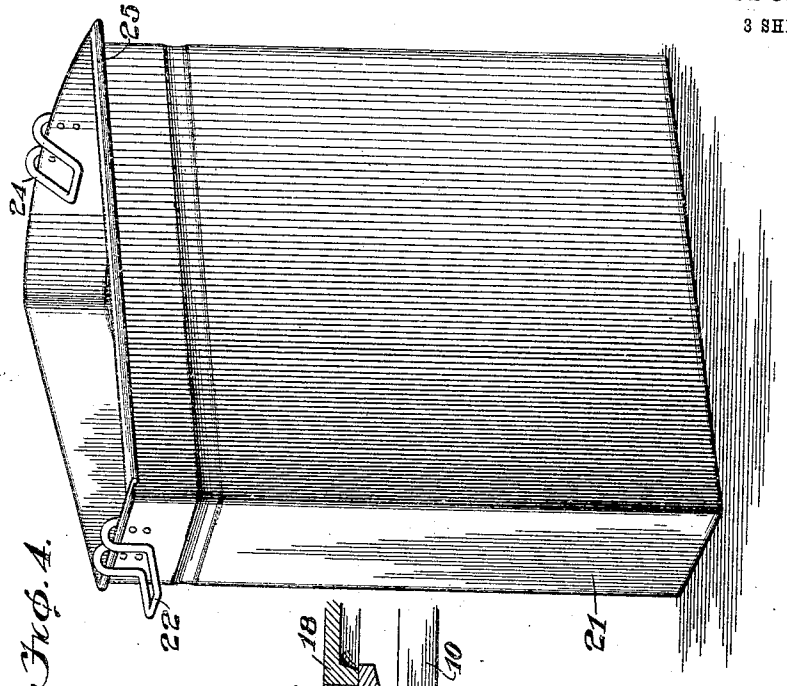

Fig. 4.

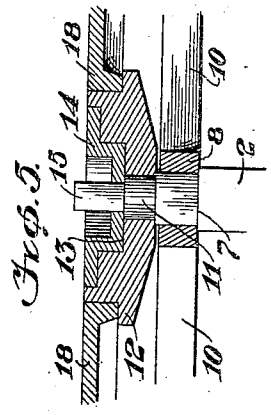

Fig. 5.

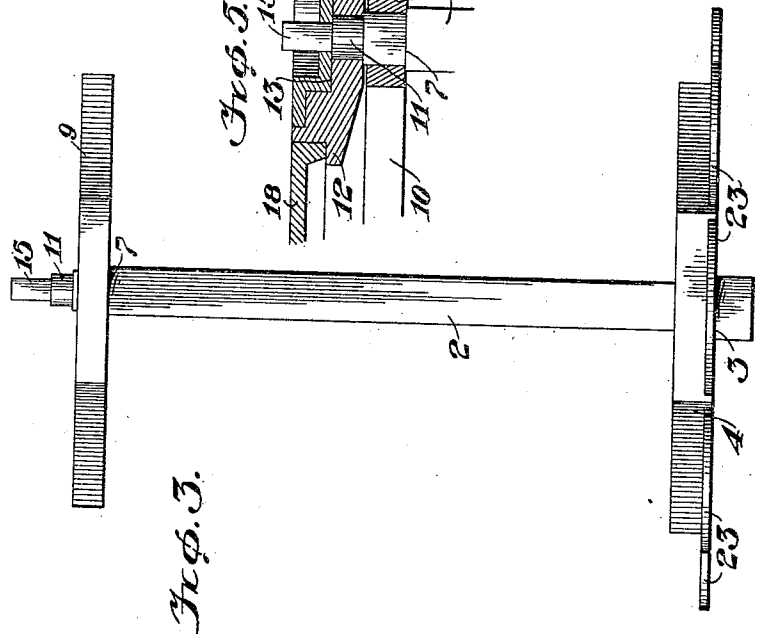

Fig. 3.

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UNITED STATES PATENT OFFICE.

WARREN M. SHARP, OF BINGHAMTON, NEW YORK.

ASH-RECEIVING DEVICE.

946,469. Specification of Letters Patent. Patented Jan. 11, 1910.

Application filed June 21, 1909. Serial No. 503,539.

To all whom it may concern:

Be it known that I, WARREN M. SHARP, a subject of the King of Great Britain, residing at Binghamton, in the county of Broome and State of New York, have invented certain new and useful Improvements in Ash-Receiving Devices, of which the following is a specification.

My invention relates to an improvement in a device for receiving ashes from stoves and furnaces, and the object is to provide rotatable means carrying receptacles for receiving the ashes from the ash pit of a stove or furnace.

The invention consists of certain novel features of construction and combinations of parts which will be hereinafter described and pointed out in the claims.

In the accompanying drawings—Figure 1 is a vertical sectional view of my invention; Fig. 2 is a top plan view; Fig. 3 is a view in side elevation of the rotating member; Fig. 4 is a perspective view of one of the cans or receptacles, and Fig. 5 is a detail.

A, represents the furnace, and B is the usual ash pit.

C, represents a well formed below the base of the furnace and supported in the base of the well is a pivot bearing, 1. A shaft, 2, is mounted on the bearing, and supported on a shoulder, 3, on the shaft is a polygonal rim, 4, which is connected by spokes, 5, to a hub, 6, the hub, 6, resting upon the bearing or shoulder, 3. The bore of the hub is preferably made square to conform to the shaft. A smaller shoulder, 7, is formed at the upper end of the shaft upon which is mounted a square-bored hub 8, which is connected to a rim of polygonal shape, 9, by spokes, 10. The bore of the hub, 6, is larger than the bore of the hub, 8, so that the hub, 6, will pass down the shaft and be supported upon the shoulder, 3. At the upper end of the shaft it is rounded as at 11 to receive a bushing, 12. The bushing is provided with a recess, 13, in which is received an indicating dial, 14, which is mounted upon the squared end, 15, of the shaft, 2. An annular groove 16, is formed around the well, C, and supported in the annular groove and upon the annular frame, 17, of the bushing, 12, are covers 18, 18, which are rabbeted to form a dust tight cover. The covers form a proper support for the bushing, 12, whereby the shaft is centrally held, but the connection between the shaft and the bearing, 1, is sufficient to form a proper support for the shaft. One of the covers is provided with an opening, 19, which is adapted to register with an opening, 20, in the bottom of the ash pit, B, whereby the ashes can be raked from the ash pit into the cans or receptacles 21, which are supported upon the rims, 9 and 4. Hooks 22, are connected to the receptacles, which extend over and engage the rim, 9. The lower end of the can or bottom rests upon the flange 23, formed on the rim, 4. The cans are provided with handles, 24, whereby they can be removed from the well by the removal of one of the covers, 18. The cans are preferably made wedge shaped having the smaller side engaging the rims, 4 and 9. On one edge at one side of each can a flange 25 is formed, which projects over the upper edge of the adjoining can. The object of this is to prevent any of the ashes from passing down between the cans as the cans are rotated or after one can has been filled and the next can is being brought into position to be filled. A handle, 26, having a socket, 27, conforming to the shape of the end 15 of the shaft, 2, permits of the turning of the shaft to bring the next can into position or beneath the opening, 19, in the cover to permit the ashes to be raked from the ash pit into the can.

The dial, 14, is numbered to indicate the different cans, and as the numbers are brought into alinement with the arrows pointing toward the opening, 19, in the cover the operator will know that the next can is in alinement to be filled with ashes from the ash pit, B. A grating could be placed in the opening, 20, of the ash pit, B, for sifting the ashes so that the good coals could be removed from the ash pit and placed in the furnace or stove.

From the foregoing it will be seen that I have provided a device whereby the ashes can be removed from the ash pit of a furnace or stove and conducted to the ash cans which can be brought into position to receive the ashes from the ash pit and that after the cans have been filled they can be removed from the well and conducted away. All of the parts can be quickly assembled or disassembled in case of repairs, but as the device consists of so few parts there is slight danger of any of the parts getting out of order, and the cans can be quickly connected to and disconnected from the rims.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent is:

1. In a device for receiving ashes, the combination with a furnace, of a rotary member, and removable receptacles mounted on the member for receiving the ashes.

2. In a device for receiving ashes, the combination with a furnace having an ash pit, of a shaft, movable receptacles on the shaft, means for conducting the ashes from the ash pit to the receptacles.

3. In an ash receiving device, the combination with a furnace having an ash pit, of a rotary shaft, receptacles removably mounted on the shaft, means for conducting the ashes from the ash pit to the receptacles.

4. In a device for receiving ashes, the combination with a furnace, of a well, a shaft mounted in the well, rims mounted on the shaft, and receptacles mounted on the rims for receiving the ashes from the furnace.

5. In a device for receiving ashes, the combination with a furnace, of a well, a shaft mounted in the well, receptacles mounted on the shaft for receiving the ashes from the furnace, means for rotating the shaft for bringing the receptacles into position to receive the ashes from the furnace, and means for indicating when the receptacles are in proper position to receive the ashes.

6. In a device for receiving ashes, the combination with a furnace, of a well, a shaft mounted in the well, receptacles on the shaft for receiving the ashes, a covering for the well having an opening therethrough through which the ashes are discharged from the furnace into the receptacles.

7. In a device for receiving ashes, the combination with a furnace, of a well, a movable member mounted in the well, receptacles mounted on the member for receiving the ashes from the furnace, and sectional covers mounted on the well.

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

WARREN M. SHARP.

Witnesses:
C. A. NEALE,
WATTS T. ESTABROOK.