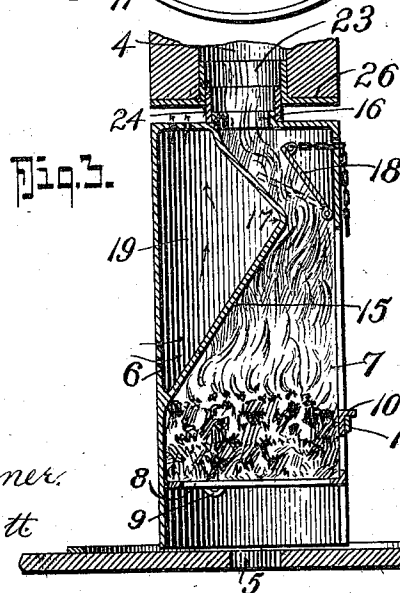
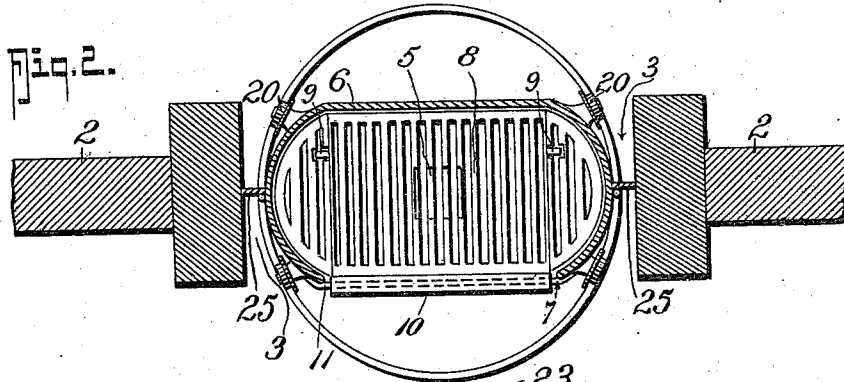
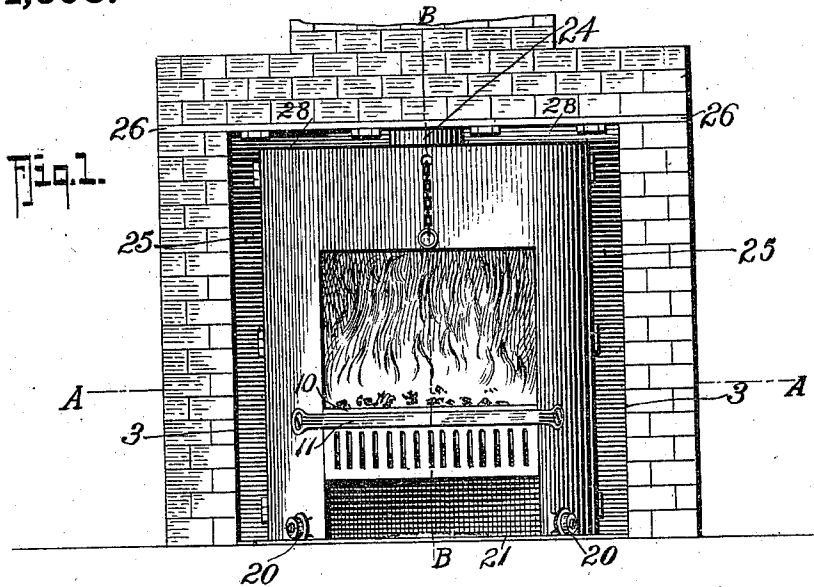


H. J. PENDRAY.
 ROTATABLE FIREPLACE.
 APPLICATION FILED MAY 3, 1910.

984,598.

Patented Feb. 21, 1911.



WITNESSES:

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HERBERT JEFFREE PENDRAY, OF VICTORIA, BRITISH COLUMBIA, CANADA.

ROTATABLE FIREPLACE.

984,598.

Specification of Letters Patent.

Patented Feb. 21, 1911.

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To all whom it may concern:

Be it known that I, HERBERT J. PENDRAY, citizen of the Dominion of Canada, residing at Victoria, in the Province of British Columbia, Canada, have invented a new and useful Rotatable Fireplace, of which the following is a specification.

This invention relates to a fireplace which is rotatable on a vertical axis in an aperture in a partition between two rooms, whereby the front of the grate may be turned to either room as desired.

A fire is seldom required in a bedroom save on retiring for the night, and again a good fire is frequently maintained in a sitting room up to the hour of retiring and is thereafter wasted. With a rotatable fireplace the front of the fire can, on retiring, be turned to the bedroom and that room will incidentally derive a certain amount of heat conducted from the back of the fireplace.

The subject of this application is particularly designed to efficiently support a fireplace of this class in a manner that will leave the central area of the hearthstone clear for the provision of an aperture through which the ashes from the fire may be delivered through a chute to the basement of the house.

The invention is particularly described in the following specification and illustrated in the drawings by which it is accompanied, wherein:

Figure 1 is a front elevation of the fireplace in position in the partition aperture, Fig. 2 is a sectional plan on the line A A in Fig. 1, and Fig. 3 is a vertical section on the line B B in the same figure.

In these drawings 2 represents a partition between two rooms 3 being the fireplace aperture therethrough which may be provided in each room with a mantelpiece corresponding with the style of furnishing. The chimney flue is represented by 4 and the ash chute in the hearthstone by 5.

The fireplace is composed of a casing 6 open to the front as at 7 and provided with a grate 8 supported at the desired distance above the hearthstone. The grate is preferably pivoted toward the back as at 9 so that the preponderating weight is toward the front and a flange 10 of the front of the grate rests upon a rail 11 extending across the front aperture 7. The back of the fireplace is provided with a baffle 15 throwing the heated gases toward the front and there-

after recedes to the uptake 16 through which the products of combustion are conveyed to the chimney flue 4. The throat 17 of the uptake is provided with a damper 18 by which the passage may be controlled. The space 19 between the back 15 and the casing 6 may be provided with inlet and outlet apertures at the top and bottom through which air may circulate and serve to heat the room to which the back of the fireplace is turned. This fireplace is centrally disposed within the aperture 3 so as to be susceptible of rotation therein on a vertical axis. This is accomplished by mounting the fireplace on four small wheels 20 mounted on radiating axle pins which wheels are preferably arranged to travel on an upwardly projecting track rail 21. This rail 21 may be slightly raised above the surface of the hearthstone and will prevent ashes falling from the grate from spreading over the hearthstone beyond the fireplace. This manner of supporting the fireplace will permit rotation of it on a constant axis and will stably support it and leave the center of the hearthstone clear for the introduction of the ash aperture 5.

The smoke flue 16 of the fireplace is concentric with the axis of rotation and is immediately beneath a cylindrical bushing 23 provided in the lower end of the chimney flue 4 which bushing may form a part of a plate 26 extending across the fireplace aperture 3. Connection between the smoke flue 16 of the fireplace and the chimney flue bushing 4 may be preserved in any suitable manner. It is here shown as connected by a loose sleeve 24 which may be lifted within the bushing 23 while the fireplace is being introduced and thereafter dropped upon a corresponding upward projection surrounding the fireplace flue 16.

The side spaces between the fireplace and the side jambs of the aperture 3 may be closed by flaps 25 hinged to the fireplace and closing against the sides of the aperture 3 and the spaces above the fireplace may be similarly provided with hinged flaps 28.

An efficient and eminently useful fireplace is thus provided which being supported on the wheels in the manner described is perfectly stable and the central portion of the hearthstone is free for the introduction of the ash removal aperture which is a desirable provision.

Having now particularly described my in-

vention I hereby declare that what I claim as new and desire to be protected in by Letters Patent is:

1. In combination with a wall having an opening, a fire-place wall in said wall opening, said fire-place wall having a passage through the same, a circular track mounted centrally in said passage, a revoluble heater consisting of a tubular body having rounded sides and flattened back and front faces, the depth of said body substantially equaling the depth of said fire-place wall, radial roller carrying feet at the lower end of said body, the rollers of which feet ride on said track, the floor beneath said rotatable body having an ash discharge opening, said fire-place walls having a chimney opening above said ash discharge opening, a pipe carried by said body and discharging into said chimney opening.

2. In combination with a wall having an opening, a fire-place wall in said wall opening, said fire-place wall having a passage through the same, a circular track mounted centrally in said passage, a revoluble heater consisting of a tubular body having round-

ed sides and flattened back and front pieces, the depth of said body substantially equaling the depth of said fire-place wall, radial roller carrying feet at the lower end of said body, the rollers of which feet ride on said track, the floor beneath said rotatable body having an ash discharge opening, said fire-place walls having a chimney opening above said ash discharge opening, a pipe carried by said body and discharging into said chimney opening, a longitudinal partition in said body dividing it into a front and back chamber, the front chamber serving as a fire chamber and the back chamber as a heat chamber distinct from the fire chamber, said body having air circulating apertures for said heat chamber, substantially as shown and described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HERBERT JEFFREE PENDRAY.

Witnesses:

ERMA G. WARWICKER,
WILLIAM S. WARWICKER.