

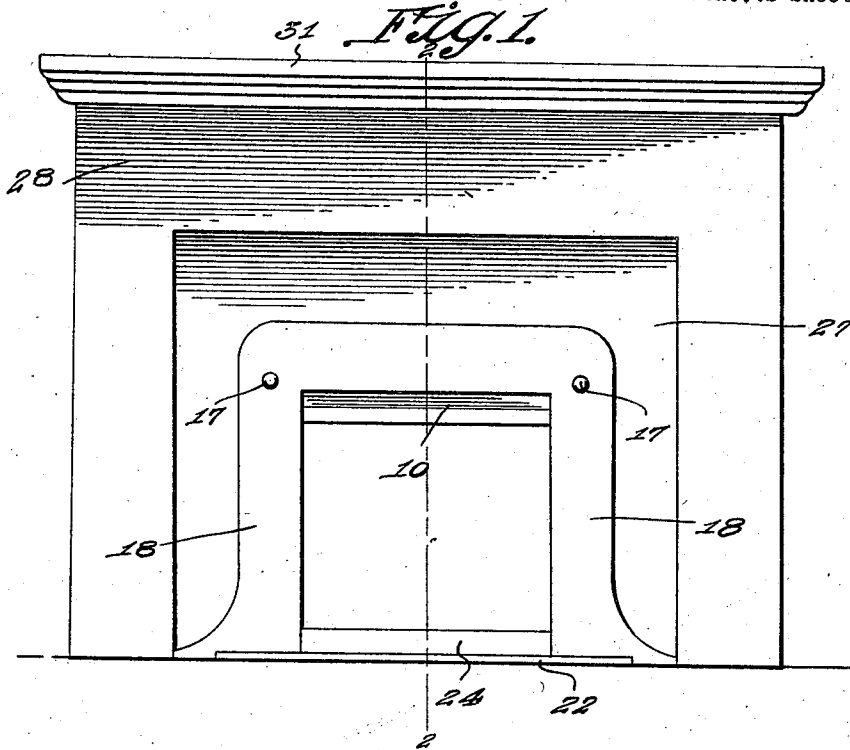
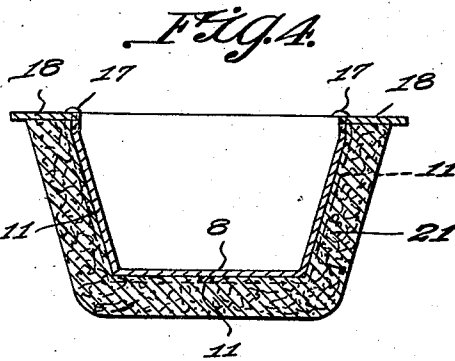
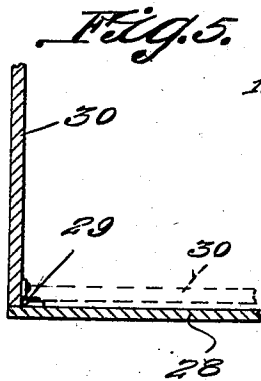
May 15, 1928.

1,670,223

E. VAN KIRK
PORTABLE FIREPLACE

Filed Jan. 23, 1928

2 Sheets-Sheet 1



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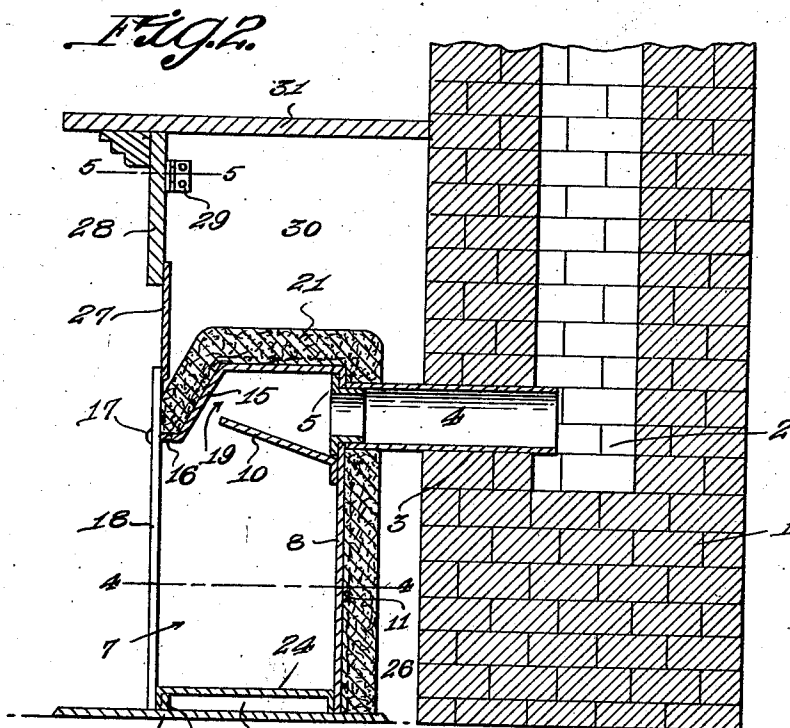
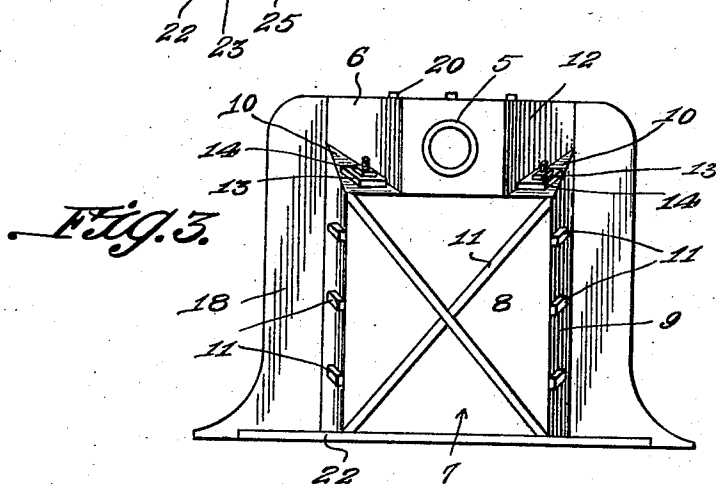
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PORTABLE FIREPLACE

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2 Sheets-Sheet 2



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Patented May 15, 1928.

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UNITED STATES PATENT OFFICE.

ERWIN VAN KIRK, OF LAWRENCEVILLE, ILLINOIS.

PORTABLE FIREPLACE.

Application filed January 23, 1928. Serial No. 248,871.

5 An object of this invention is the provision of an open fire place which may be considered portable inasmuch as the same may be arranged in any part of a building provided with a chimney flue, set up to provide a safe, effective and ornamental heater, and readily removed and arranged in another place in the same or other building, and further which shall be of a knock-down construction so that it may be folded to provide a compact package for storing when not required for use, and a similar package for shipment.

15 A further object is the provision of a knock-down removable or portable fire place designed to be arranged in any part of a building provided with a chimney flue and which includes a fire place proper of a particular and novel construction, and a foldable mantel designed to surround the fire place and held in position against the wall of the building by the fire place, there being an air space between the fire place and mantel, as well as an air space between the base of the fire place and the hearth, as well as an insulated covering for the fire place, so that the fire from the fire place cannot possibly endanger the building in which it is arranged but will afford an effective heating plant for the said building.

20 The invention will be fully and comprehensively understood from a consideration of the following detailed description when read in connection with the accompanying drawings which form part of the application, with the understanding, however, that the improvement is capable of extended application and is not confined to the exact showing of the drawings nor to the precise construction described and, therefore, such changes and modifications may be made therefrom as do not affect the spirit of the invention nor exceed the scope thereof as expressed in the appended claims.

25 In the drawings:

Figure 1 is a front elevation of my improvement.

Figure 2 is a sectional view approximately on the line 2—2 of Figure 1.

30 Figure 3 is a rear elevation of the fire place, with the insulation therefor removed.

Figure 4 is a detail sectional view approximately on the line 4—4 of Figure 2.

35 Figure 5 is a detail sectional view approximately on the line 5—5 of Figure 2.

My improved fire place is designed to be

arranged in any room of a building provided with a chimney and, as the description progresses it will be noted that the improvement is of a knock down construction.

60 Referring now to the drawings in detail, the numeral 1 designates a chimney, 2 the flue or smoke passage therein and 3 the pipe opening entering the chimney and communicating with the flue 2. In carrying out my invention I arrange in the pipe opening 3 a short stove pipe 4. The pipe 4 is received in an outstanding collar 5 on the removable top or cap member 6 of the fire place. The cap 6, as well as the fire place proper, is constructed of metal and from other heat resisting material. The body of the fire place is indicated for distinction by the numeral 7 and includes a back 8, angle sides 9 and an inclined top portion 10. The top plate is arranged at an upward inclination with respect to the open face of the fire place, but terminates a suitable distance inward from said open face and the top plate 10 provides a baffle plate for the fire place. 65 The top plate 10, sides 9 and back 8 may be removably associated, and the angle or inclined sides and the back 8 are formed with ribs or projections 11, the purpose of which will presently be understood and appreciated. The top or cap member 6 is arranged over the top or baffle plate 10 of the fire place, and the sides of the said top or cap member are beveled and inclined toward the rear of the fire place. These sides, indicated for distinction by the numeral 12 are formed on their lower edges with ears 13 and through these ears there are passed bolt members 14 that secure the said top or cap member on the upper or baffle plate 10 of the fire place. The front 15 of the cap member is arranged at a downward and outward inclination and merges into a straight wall 16 which is secured by removable means 17 to the front plates 18 of the fire place. There is a flue or smoke duct provided by the passage 19 between the upwardly inclined top or baffle plate 10 of the fire place and the angle front 15 of the hollow cap member 6. The front and top of the cap member 6 are formed with ribs 20. These ribs, together with the ribs 11, on the rear and angle sides of the fire place serve to retain on these portions of the construction a facing 21 of heat retaining material, such as asbestos or like insulation. 70 75 80 85 90 95 100 105 110

The fire place rests on a hearth strip 22

which is preferably of metal, and the same is preferably formed with upstanding lugs 23 that provide rests for the base plate 24 of the fire place. The andirons rest on the base plate 24 and the space between the plate 24 and the hearth plate 22 affords an air duct 25. Also there is an air space 26 between the rear of the fire place and the chimney 1.

Removably secured to the front plate 18 of the fire place there is a substantially U-shaped plate 27, which abuts with the open front portion 28 of a mantel. The front 28 of the mantel is hingedly secured, as at 29, with the sides 30 thereof, and the top 31 for the mantel is removably supported on the front 28 and the sides 30. The mantel may be of wood or any other desired material and is sufficiently spaced from the fire place to prevent injury thereto from the heat created from the said fire place. While the base plate 24 is primarily designed to support andirons thereon it is obvious that the fire place may be heated by electricity or in other manner. The heat will pass from the fire place through the passage 19 and be directed through the collar 5 and smoke pipe 4 into the flue and into the chimney 1, providing a free passage for the products of combustion into the flue. The fire place being provided with the insulating face 21 and being spaced from the wall of the room, likewise from the mantel and having the air space 25 at the bottom thereof, effectively insures the safety of the building and mantel from the heated created in the fire place. The construction is simple and, as previously stated, the parts constituting the improvement may be knocked down to provide a small package for storage or transportation and the advantages of the improvement will, it is thought, be understood and appreciated without further detailed description.

Having described the invention, I claim:

1. A portable fire place designed to be arranged opposite but spaced from the wall of a building, and opposite a chimney in said building, comprising a fire place proper, said fire place having its top, at the front thereof, inclined toward the open front of the fire place, an angularly disposed baffle plate between the inclined front, the sides and back of the fire place, a smoke conducting pipe above the baffle plate, communicating with the flue of the chimney, a hearth plate upon which the fire place rests, a base plate in the fire place above the hearth plate

and a foldable mantel spaced from but surrounding the fire place.

2. A portable fire place designed to be arranged opposite but to be spaced from the wall of a building and opposite a chimney in said building, comprising a fire place proper made up to include a back, angularly disposed sides and an upper angle plate that provides a baffle plate and terminates away from the open front of the fire place, a hollow cap member providing a top for the fire place removably secured to the baffle plate and having its front wall inclined downwardly toward the open front of the fire place and spaced from the outer end of the baffle plate, a frame comprising a front removably secured to the fire place, a second frame surrounding and abutting the inner face of the front of the fire place, a hearth on which the fire place rests, a base plate in the fire place above the hearth, a mantel comprising an open front and sides hingedly secured thereto, arranged around but spaced from the fire place and having its front portion contacting with the mentioned U-shaped plate, and a removable top for the mantel.

3. A portable fire place designed to be arranged opposite but to be spaced from the wall of a building and opposite a chimney in said building, comprising a fire place proper made to include a back, angularly disposed sides and an upper angle plate that provides a baffle plate and terminates away from the open front of the fire place, a hollow cap member providing a top for the fire place removably secured to the baffle plate and having its front wall inclined downwardly toward the open front of the fire place and spaced from the outer end of the baffle plate, a frame comprising a front removably secured to the fire place, a second frame surrounding and abutting the inner face of the front of the fire place, a hearth on which the fire place rests, a base plate in the fire place above the hearth, a mantel comprising an open front and sides hingedly secured thereto, arranged around but spaced from the fire place and having its front portion contacting with the mentioned U-shaped plate, ribs on the sides and rear of the fire place, ribs on the hollow cap for the fire place, an insulated facing for these portions of the fire place and embedded in the ribs.

In testimony whereof I affix my signature.

ERWIN VAN KIRK.