

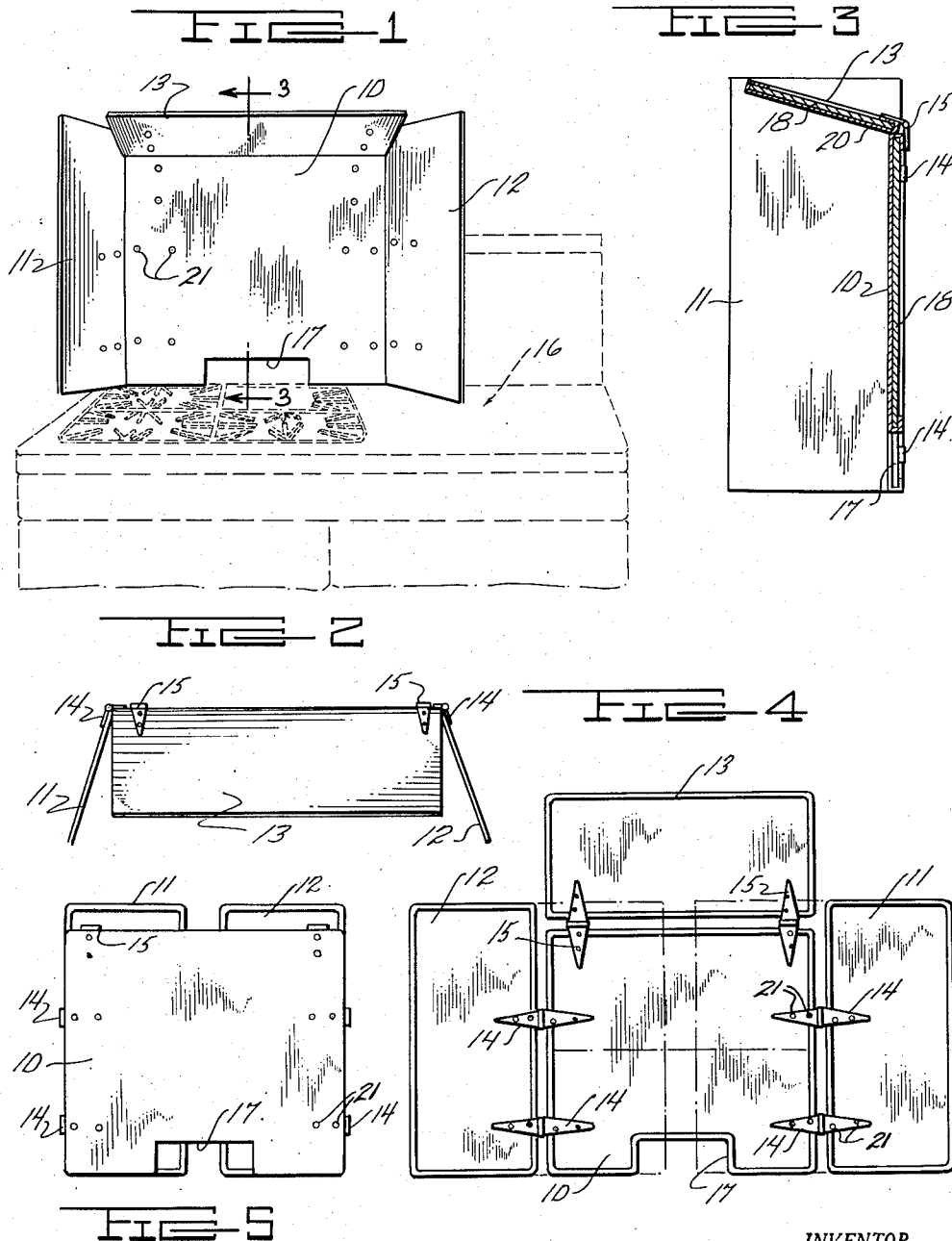
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WALL PROTECTOR

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## UNITED STATES PATENT OFFICE

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## WALL PROTECTOR

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## 1 Claim. (Cl. 126—299)

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This invention relates to wall protectors, and more particularly to a wall protector mountable on a cookstove to protect the wall adjacent the stove from moisture, grease and other damage resulting from use of the stove.

It is among the objects of the invention to provide a foldable protector which will support itself in operative position on a cookstove, or may be supported by suitable brackets attached to the stove, which is of extremely light weight, covers a sufficient area to fully protect the wall and is foldable into a compact arrangement for storage, and which is simple and durable in construction, extremely economical to manufacture, and neat and attractive in appearance.

Other objects and advantages will become apparent from a consideration of the following description and the appended claim in conjunction with the accompanying drawing, wherein:

Figure 1 is a diagrammatic, perspective view of a fragmentary portion of a cookstove showing, in front elevation, a wall protector illustrative of the invention operatively mounted on the cookstove;

Figure 2 is a top plan view of the wall protector;

Figure 3 is a longitudinal cross-section of the wall protector on the line 3—3 of Figure 1;

Figure 4 is an elevation of the wall protector in a fully-extended condition; and

Figure 5 is an elevation of the wall protector in folded condition.

With continued reference to the drawing, the wall protector comprises a rectangular, flat center plate 10 which is preferably substantially square in shape, two side wings 11 and 12 extending along respectively opposite edges of the center plate 10, and a top wing 13 extending along one edge of the center plate 10 between the two side wings 11 and 12. Hinges 14 connect the side wings 11 and 12 to the center plate 10 for swinging movement of the side wings relative to the center plate, these hinges being so arranged that the side wings may be folded in one direction to a position overlying and close to the back surface of the center plate 10, as indicated in broken lines in Figure 4, and illustrated in full lines in Figure 5, and will support the side wings in a different position at a common obtuse angle to the center plate 10, as is illustrated in Figures 1 and 2. Hinges 15 connect the top wing 13 to the center plate 10, and are so arranged as to permit folding of the top wing relative to the center plate to a position in which the top wing overlies and is in contact with the center plate, and to a different position in which the top wing is supported at an obtuse angle to the center plate. When the de-

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vice is folded, the top wing 13 may first be folded down into contact with the back surface of the center plate, and the side wings 11 and 12 then folded over the top wing 13 to overlie respective areas of the back portion of the center plate and contacting the top wing.

When the device is set up for operation, the side wings and the top wing are brought to a position in which they are supported by their respective hinges at obtuse angles to the center plate and extend divergently outward from the front surface of the center plate, as is clearly illustrated in Figures 1 and 2. When in this condition, the protector will stand upright on any substantial level surface, such as the top of the cookstove 16.

The center plate 10 has a width substantially equal to the width of the burner portion of a conventional gas or electric cookstove, and a height approximately the same as its width, a width of 20-inches and a height of 18-inches having been found to provide a protector of convenient and effective size.

With the above-noted size of the center plate, it has been found convenient to use side wings having a width of approximately 9-inches, and a height of 20-inches, and a top wing having a length of 20-inches, and a width of 8-or-9-inches. The center plate has, in its bottom edge, that is, the edge opposite that to which the top wing 13 is connected, a rectangular notch 17 to fit over the oven vent of the cookstove, so that gases from the oven will flow to the front side of the protector and be deflected outwardly away from the wall at the back of the stove.

The center plate 10, the two side wings 11 and 12, and the top wing 13 are all of laminated construction, and preferably formed of fire-resisting, and heat-insulating materials. A construction utilizing pieces of asbestos board, as indicated at 18 in Figure 3, with a covering of sheet aluminum, as indicated at 20, has been found to provide highly satisfactory results, the aluminum pieces being beaded at their edges over the corresponding asbestos board pieces to firmly unite the sheet aluminum to the asbestos board to form the various components of the protector. Obviously, other materials may be used, but it is highly desirable that the sheet metal covering be of some material which is easy to keep clean, such as aluminum, stainless steel, copper, et cetera. The hinges 14 and 15 may be conveniently secured to the center plate and wing portions of the protector by suitable rivets 21 extending through the hinges and through the material of the protector.

The invention may be embodied in other specific

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forms without departing from the spirit or essential characteristics thereof. The present embodiment is, therefore, to be considered in all respects as illustrative and not restrictive, the scope of the invention being indicated by the appended claims rather than by the foregoing description, and all changes which come within the meaning and range of equivalency of the claim are, therefore, intended to be embraced therein.

What is claimed is:

A wall protector comprising a rectangular center plate adapted for vertical disposition on a stove, rectangular side wings disposed one along each side edge of said center plate, hinges connecting said side wings to said center plate for movement of said side wings relative to said center plate between a folded position in which they are superposed on one side of said center plate and an extended position in which they extend outwardly from the other side of said center plate, a top wing disposed along the top edge of said center plate, and hinges connecting said top wing to said center plate for movement between a folded position in which it is superposed at said one side of the center plate and a position in which it inclines upwardly from the top edge of the center plate and outwardly from said other

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side of the latter, the last mentioned hinges supporting said top wing in the inclined position on the center plate, said center plate having in the edge thereof opposite said top wing a notch for receiving the oven vent of a stove, and said side wings extending above the top edge of said center plate to contact with the end edges of said top wing when the latter is in said inclined position.

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