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2,535,707

COMBINED KITCHEN CABINET AND VENTILATING HOOD

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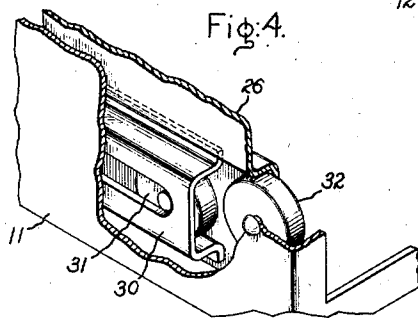
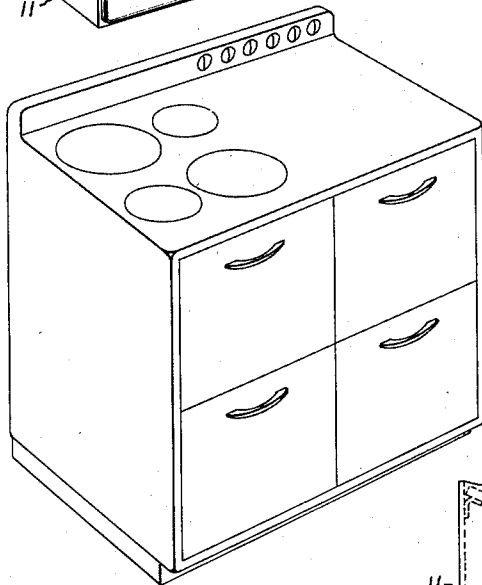
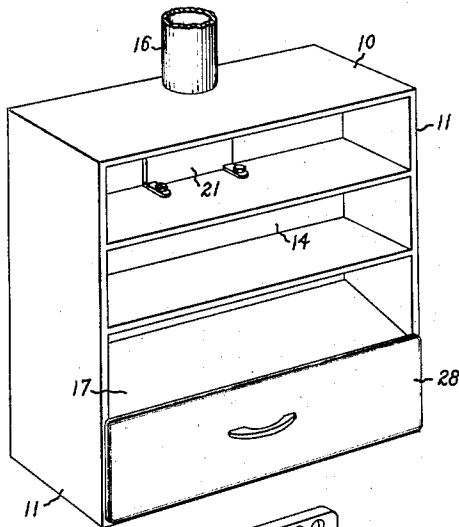


Fig. 1.

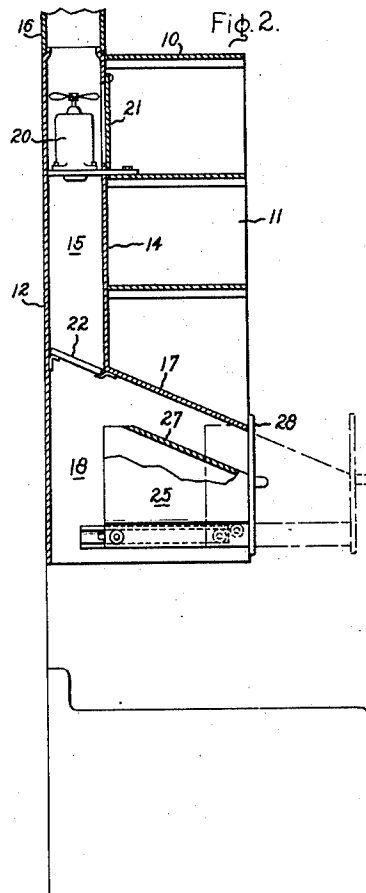


Fig. 2.

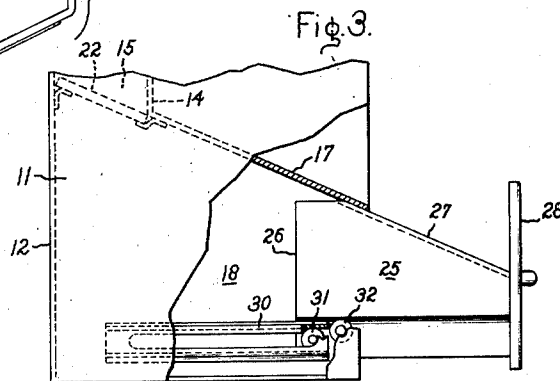


Fig. 3.

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UNITED STATES PATENT OFFICE

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COMBINED KITCHEN CABINET AND
VENTILATING HOODEdward E. Vezey, Jr., Schenectady, N. Y., assignor
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1 Claim. (Cl. 98-115)

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This invention relates to an improved combination cabinet and ventilation hood.

My invention is particularly well suited as a kitchen cabinet to be secured to the wall of the kitchen above the cook stove. Combination cabinets and ventilators for such use are known in the art; the present invention provides means whereby the effective dimensions of the hood or collecting chamber may be increased at will so that, although the cabinet may have a physical appearance and depth matching adjacent conventional cabinets, it may be extended when necessary or desirable to be effective over substantially the entire top surface of the stove.

It is therefore an object of the invention to provide an improved combination cabinet and ventilator.

It is a further object of the invention to provide a ventilation hood in which the area of the mouth or inlet portion may be increased when desired.

In the accompanying drawing Fig. 1 is a perspective showing one embodiment of the invention in normal position above the kitchen range. Fig. 2 is a vertical side elevation taken in section through the central portion of the cabinet of Fig. 1, and showing in dotted line the extension of the hood relative to the surface of the range. Fig. 3 is a side elevation of the lower part of the cabinet, with a part of the side wall thereof broken away and the extension hood in its forwardmost position; and Fig. 4 is a perspective view of a suitable means for mounting the extension for movement relative to the main structure.

Referring to the drawings for a more complete description of the invention, a typical embodiment thereof is shown in Figs. 1 and 2 as comprising a cabinet structure having a top wall 10, side walls 11, and rear structural wall 12. Extending from one side wall to the other and disposed suitably forwardly of the rear structural wall is a "false" rear wall 14 which cooperates with portions of the side walls and with the wall 12 to define an elongate rectangular passage 15. Said passage may suitably communicate with a discharge duct or conduit 16. Wall 14 terminates well above the lower edge of side walls 11, and a wall member 17 slopes forwardly and downwardly from wall 14 to the front edge of the walls 11. It will be noted from Figs. 1 and 2 that wall 17 extends the full width of the structure but is substantially above the lower edges of the side walls. Wall 17 therefore forms an upper wall of a chamber 18 which comprises a hood or intake

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communicating with the passage 15. If desired a ventilating fan and motor unit 20 may be disposed within passage 15, access to said unit being afforded by any suitable removable access door 21. A screen or filter 22 may be removably placed at the base of the passage 15.

The essentials of the above described structure are known in the art; see, for example, Koch U. S. Patent 2,275,772, dated March 10, 1942.

It is preferred to make the size and overall depth of the cabinet structure consistent with conventional kitchen cabinets, for uniformity and harmonious appearance when installed with or adjacent other wall cabinets. However, it will be obvious that the limited depth of the chamber 18 will not adequately serve the entire cooking area of a conventional kitchen range in which as shown in Fig. 1 the burners are usually grouped at one side of the range top to occupy the full depth thereof. My invention therefore resides in providing an extension structure 25 which may be concealed within the space 18, or withdrawn therefrom when it is desired to increase the effective inlet area of the chamber to comprehend substantially the entire top of the stove. The extension device may comprise spaced side walls 26 in telescoping relation to the cabinet walls 11, and so proportioned that they remain in overlapping relationship when the structure is fully extended, as shown in Fig. 3. The continuity of side wall structure of the hood or chamber is thereby maintained at all times. The upper wall 27 of the extension structure preferably has a slope conforming to that of the wall 17; that is to say, wall 27 slopes forwardly and downwardly. It is not essential that the angle of slope of the respective upper walls be identical. As shown in Fig. 3 walls 17 and 27 are in spaced relation when the structure 25 is "home," but when it is extended the rear edge of wall 27 engages the front edge of wall 17, thus effectively limiting the outward movement of the structure 25 and providing an uninterrupted top wall for the thus enlarged chamber 18. Desirably, wall 27 terminates short of the rear edge of the side walls 26, so as to avoid constricting the entrance to passage 15 when the structure 25 is within the cabinet. An enlarged front wall 28 is affixed to the side walls 26 and top wall 27. Wall 28 completely covers the area defined by the sides 11 and the front edge of wall 17 when the structure 25 is concealed within the main cabinet structure. As appears in Fig. 1, the front wall may simulate a drawer front, thus adding to the appearance of the cabinet.

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Any suitable or conventional means, for example the channel 30 affixed to each cabinet wall 11 and the rollers 31, 32 on the walls 26 and 11 may be provided to facilitate the movement of the structure relative to the main cabinet structure. 5

What I claim as new and desire to secure by Letters Patent of the United States is:

In a combination kitchen cabinet and ventilator adapted to be placed on a wall above a cookstove or the like, wall means defining a ventilation duct at the rear of said cabinet, means including the side and rear walls of the cabinet and a top wall structure to define a chamber in the lower portion of said cabinet, said chamber communicating with said duct and having an open bottom directly facing said stove, the forward edge of said top wall structure being substantially above the lower edge of said cabinet as defined by the side walls thereof and said structure sloping upwardly toward said duct, front wall means for closing the front opening defined by said side walls and the forward edge of said top structure, means supporting said front wall means for movement toward or away from said cabinet, an upper wall fixed to said front wall 15 20 25

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means intermediate the upper and lower edges thereof and extending rearwardly and upwardly beneath said top wall structure in spaced relation therewith, and side walls depending from said upper wall and extending substantially to the bottom of said cabinet side walls in close adjacency therewith, the slope and extent of said upper wall being such that it will engage with the top wall structure of said chamber to limit the outward movement of said front wall while the respective side walls are in overlapping relationship.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
499,210	Canavan	June 13, 1893
818,003	Thorelius	Apr. 17, 1906
1,584,707	Hedeen	May 11, 1926
1,686,617	Juralewicz	Oct. 9, 1928
2,275,772	Koch	Mar. 10, 1942