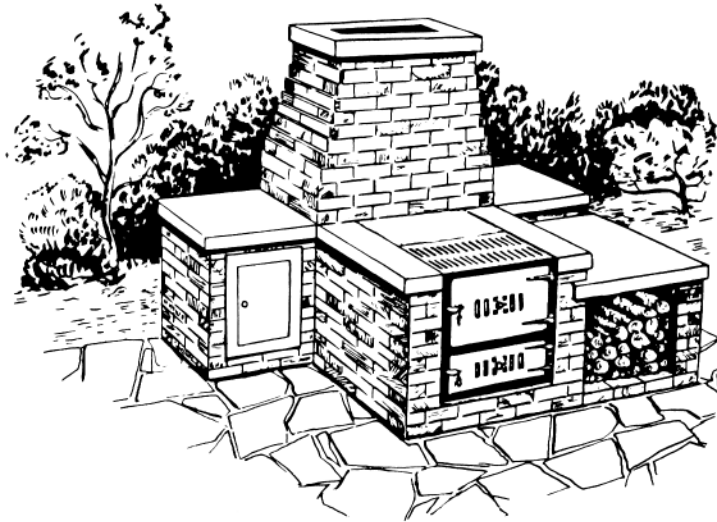
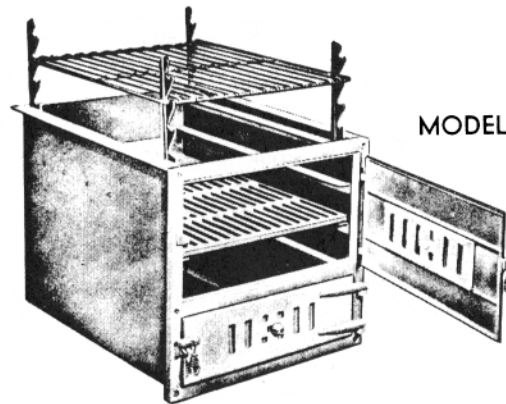


VESTAL

OUTDOOR FIREPLACE GRILLES



THE HEART OF OUTDOOR LIVING



MODEL OF-56

Please
READ
Carefully

Suggestions for Construction
Outdoor Fireplace Grilles

VESTAL MANUFACTURING

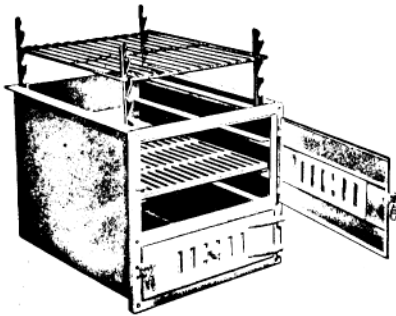
P.O. Box 420
Sweetwater, Tennessee 37874



**It's Cookout Time
FUN FOR THE ENTIRE FAMILY**

INSTRUCTIONS FOR BUILDING YOUR OUTDOOR FIREPLACE GRILLE

There is no need to elaborate on how an outdoor fireplace contributes to the fun of living. Vestal Outdoor Fireplace Unit, Model OF-56, is the basic unit around which an unlimited variety of designs may be constructed. Any type of masonry can be used around this rugged unit. With the basic unit as a "skeleton" around which to build, there is no chance for failure. Experienced masons may be employed, or if you are handy, "DO IT YOURSELF." It's fun. Just choose a fireplace design that suits your landscaping—use any permanent masonry material—the outdoor fireplace unit takes out the guesswork.



MODEL OF-56

This model comes equipped with a chrome plated steak grille and adjustable height supports for this grille. Grille has four different adjustments for height, and is removable. May be kept stored inside and kept clean for immediate use, and may be used to serve from. Food to be barbecued may be placed on grille and cooked directly over coals, thereby retaining outdoor smoked flavor. Recommended as the finest way for preparing delicious barbecue. Includes cast iron cook top (all grated) and chrome plated steak grille.

Sides and back are heavy gauge steel. Grates, grille top, doors and door frame of long lasting cast iron. Adjustable fire grates (three positions) designed for use of either charcoal or wood as a fuel. Extra wide doors permit fire grates to slip in or out for easy adjustment. Ample draft controls provided in both fire door and ashpit door. Unit furnished with grated top. Unit is shipped completely assembled, but will stack several units in height for minimum warehouse space. Size 18½" high by 17" wide by 24" deep. Width, including front flange, is 19½". Masonry opening, size 18¾" high by 17¼" wide by 24¼" deep. Full 396 square inches of cooking surface. Shipping weight, 101 pounds.

SPECIFICATIONS—COMPLETE OUTDOOR FIREPLACE UNITS

- ✓ Solid steel sides serve as a form around which masonry can be built.
- ✓ Heavy gauge steel and cast iron construction, that with proper care will last a lifetime.
- ✓ Essential parts are long lasting durable cast iron. Resistant to warping or burning out from heat.
- ✓ Three positions for cast iron fire grates. Easy to adjust.
- ✓ Ample draft controls in both fire door and ashpit door. Easily adjusted.
- ✓ A removable and adjustable chrome plated steak grille.
- ✓ Ideal as incinerator when not using a barbecue.
- ✓ Shipped factory assembled.

GENERAL PRINCIPLES OF CONSTRUCTION

The variety of designs for outdoor fireplaces is infinite. The different masonry materials that may be used for foundation, side walls and chimney are equally unlimited. For these reasons Vestal Manufacturing cannot furnish detailed drawing or plans for construction. Once specific materials and design are decided, it is not difficult to build an outdoor fireplace. Just keep in mind the following general principles. You can make your own free hand sketch or drawing, if needed.

FOUNDATION:

Regardless of the design or size of your outdoor fireplace, the first essential is a good foundation. A properly planned foundation of correct size to fit your design makes the remaining construction easy. It is extremely important to plan out your foundation before starting construction.

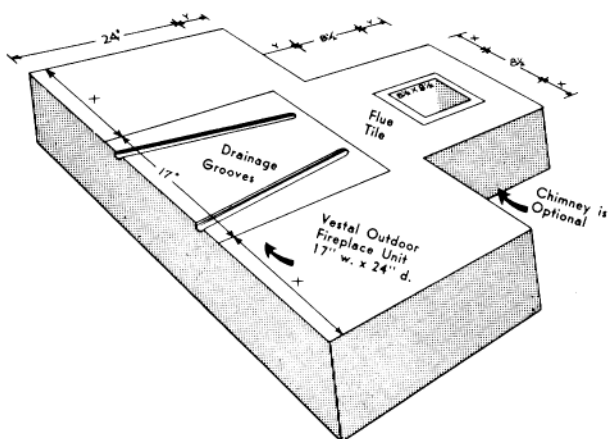
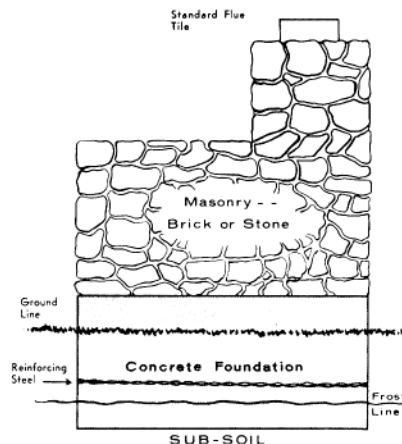
The most common foundation material is concrete. It is advisable to reinforce the concrete slab with steel. Steel reinforcing $\frac{1}{4}$ to $\frac{1}{2}$ inch in diameter should be laid checkerboard fashion 6 to 12 inch centers. Regular reinforcing concrete wire mesh will do just as well. Either rods or mesh should be set in place approximately half way up the slab. Concrete reinforcing rods or mesh are readily available from your building materials dealer.

Other masonry materials such as reinforced brick slabs are suitable for the foundation. However, foundation slabs made of concrete are generally the cheapest. Remember, to make your outdoor fireplace permanent, provide an adequate foundation.

Cold weather has a serious effect . . . frost gets under the foundation slab or in any cracks in the masonry and is likely to cause cracking of your outdoor fireplace. Therefore, it is important the foundation extend below the frost line. The depth frost penetrates into the ground varies with the locality. Builders in your area should be able to advise you how far frost penetrates into the ground.

Be sure your foundation is level, but it is a good idea to provide drainage of the ashpit. Drainage grooves can be easily made in concrete slabs by embedding tapered lengths of wood in the wet concrete before it sets hard.

Give the foundation time to cure before starting the balance of construction.



The Vestal Outdoor Fireplace unit is 17" wide by 24" deep by 18 $\frac{3}{8}$ " high.

Dimensions X and Y will vary depending upon the design and type of masonry materials used. For common bricks or concrete block these dimensions would probably be 8". In planning the foundation, insert correct dimensions at X and Y, then add together to obtain overall dimensions for the foundation.

LOCATION:

Select the location of your outdoor fireplace with care . . . there are several points to consider.

A level, well drained and shaded area conveniently nearby to the kitchen is perfect. Plan adequate space to work around your fireplace, to store fuel, for picnic table and chairs. Extensive grounds are not necessary but plan sufficient area to accommodate your family and guests. Your outdoor fireplace will soon become your center for outdoor living. It can turn an unsightly corner into one of ornament and beauty and fit into your architectural scheme of house and garage.

Study the direction of the prevailing winds during the part of day you will be using your outdoor fireplace. You do not want smoke and sparks blowing on your picnic table or in the face of the barbecue chef. Face the fireplace front in the direction of the prevailing winds. Remember, heat will affect the trees and shrubs. Build 10 to 15 feet away from nearest trees, shrubs and overhanging branches if possible.



MATERIALS:

Outdoor fireplaces can be constructed from a large variety of masonry materials. Common brick, firebrick, native field stone, quarry stone and concrete block are suitable for walls and chimney. Do not overlook the possibility of used or salvaged materials such as paving brick, cobble stone and common field stone.

Fire brick has the highest resistance to heat, but does not last too well when exposed directly to outside elements. Ordinary, common brick or stone stand the moderate heat of an outdoor fireplace well. Hollow concrete blocks do not stand heat as well as common brick but are used extensively in outdoor fireplace construction. In some localities fire resistant concrete blocks are available.

The most suitable material for the foundation is concrete, but brick or stone may be used. The only other materials required besides your Vestal Outdoor Unit is mortar mix to lay the masonry materials you select.

CHIMNEYS:

Many people prefer a chimney outdoor fireplace, because it carries the smoke away from the grille and also provides a more even draft across the fire bed. Chimneys are not a must but are generally incorporated in the more elaborate designs. Optional accessories such as ovens are often built into the chimney. Joints of clay flue tile to construct chimney walls around make easier construction and promote better draft. However, many successful chimneys for outdoor fireplaces have been built without clay flue linings.

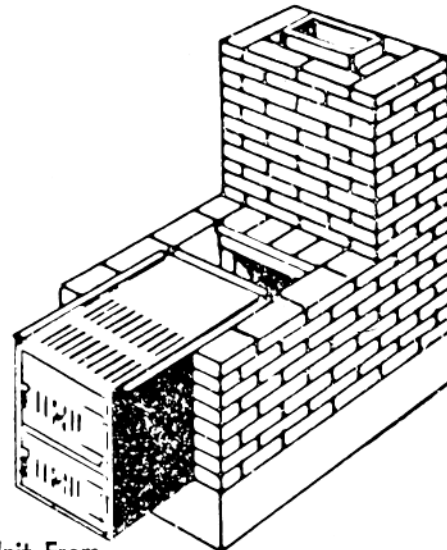
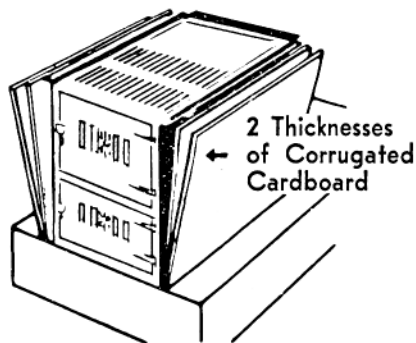
If built with a chimney be sure to leave the opening at upper half of the back section of your Vestal Outdoor Fireplace Unit unobstructed from masonry work to permit smoke to escape up the chimney.

A chimney naturally increases the cost for labor and masonry materials, so the money you have budgeted for your outdoor fireplace will probably determine your choice of chimney or no chimney.

REMOVABLE FEATURE

A removable feature may be incorporated into the fireplace if desired. Some people prefer to remove the fireplace and store it inside when not in use or during the winter. This will prevent rusting and with such care your Vestal Outdoor Fireplace should last a lifetime.

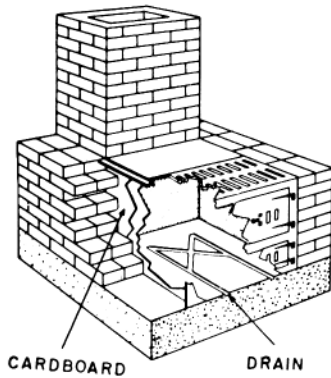
Place two thicknesses of corrugated cardboard as a spacer between the unit and masonry work as it is being constructed. When the mortar has set up, remove your unit and take out the corrugated cardboard before you build your first fire. The resulting space permits your unit to slide out for storage and allows for contraction and expansion of the unit.



Remove Unit From
Masonry for Winter
Storage

BUILDING THE SIDE WALLS AND CHIMNEY

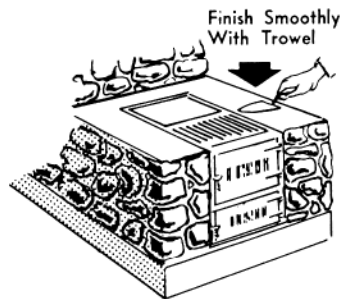
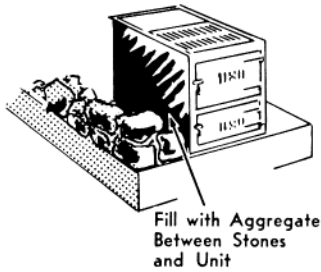
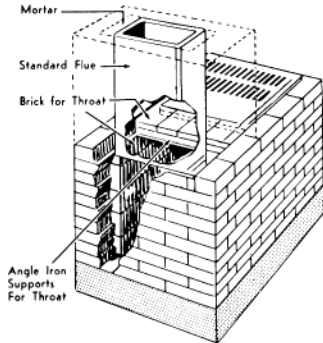
After the foundation has had time to cure, place the Vestal Outdoor Fireplace Unit on the slab with cardboard, described on page 4, around the unit and begin construction of the masonry. Use the Outdoor Fireplace Unit as a convenient form around which to build. "Do It Yourself" builders will find it advantageous to lay out the first course of masonry dry in order to plan the correct spacing. After correct spacing of masonry is found, mortar in the first course. Then proceed with construction, laying out each additional course of masonry and setting in mortar.



Make your Outdoor Fireplace easier to use by building it high enough for a comfortable working level.

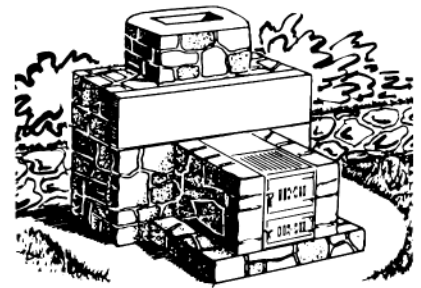
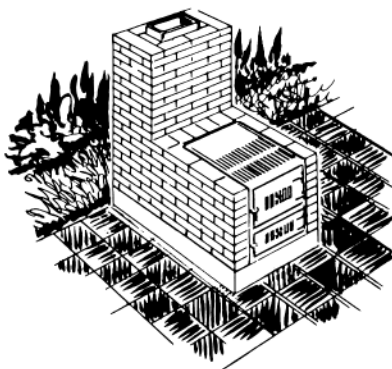
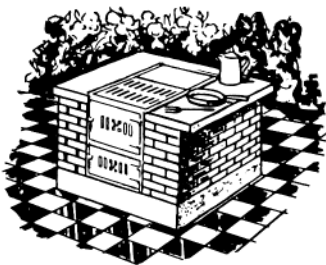
The masonry material you use for building the side walls and chimney, if incorporated in the design, sets the style. A formal, rustic or informal style may be obtained by choosing different kinds of masonry materials such as: common brick, split brick, concrete block, field stone, quarry stone, cobble stone, etc.

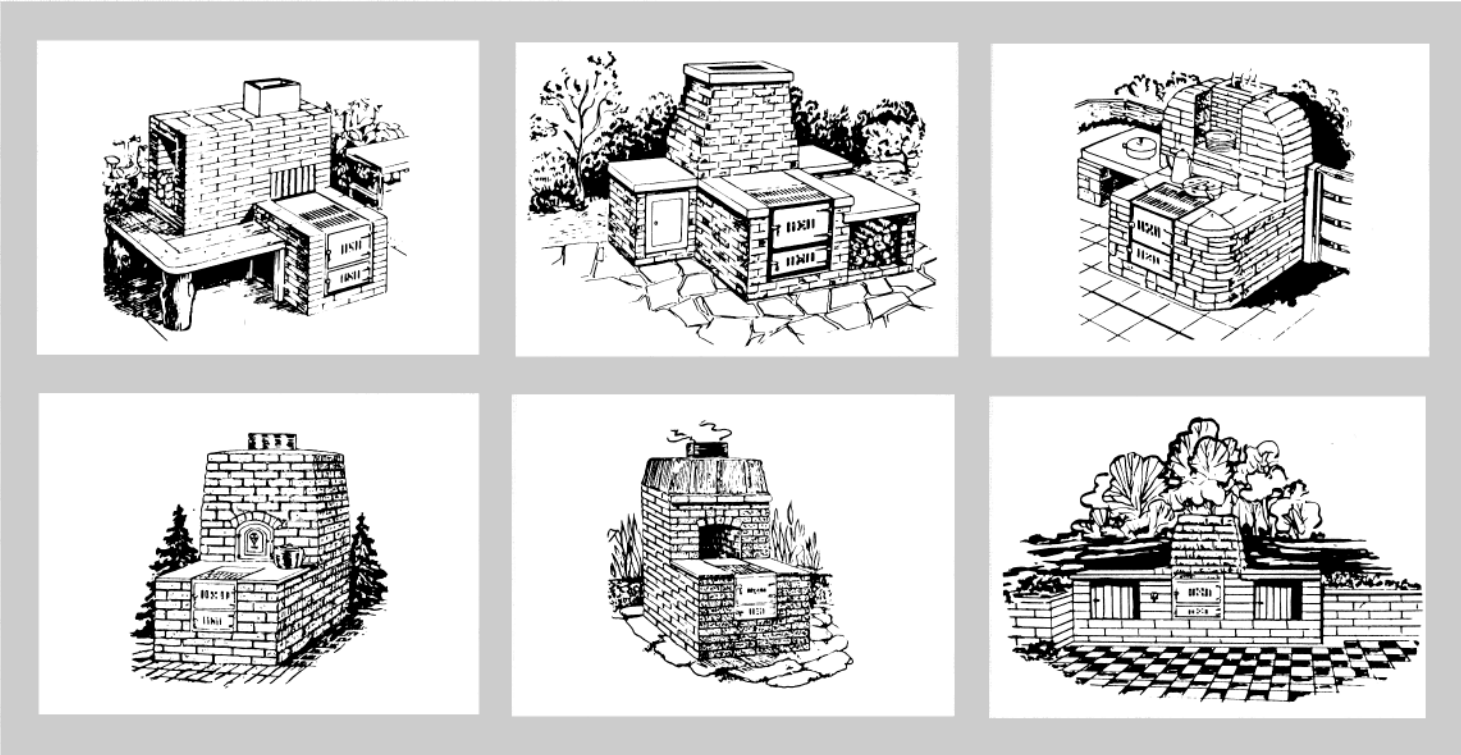
"Point Up" breaks in the mortar joints to keep out moisture. This will insure longer life. Alternate the vertical joints of mortar. Horizontal joint reinforcing with steel reinforcing rods every 2 or 3 courses of mortar will increase the life of the masonry work.



PROPER FOUNDATION PLANNING IS THE KEY TO EASY CONSTRUCTION. STUDY THE CONSTRUCTION SKETCHES WHICH ARE OFFERED AS A GUIDE. KEEP MASONRY $\frac{1}{4}$ " AWAY FROM FIREPLACE UNIT TO ALLOW FOR CONTRACTION AND EXPANSION.

Design Ideas For Outdoor Fireplaces





Give Time for Your Outdoor Fireplace to Cure Thoroughly Before Building the First Fire.

Essential iron and steel parts for building any design outdoor fireplace.



GRATE—TOP OR FIRE



DUTCH OVEN DOOR & FRAME

Part No.	DESCRIPTION	Over-All Size	Weight (Pds.)
16-G	GRATE—TOP OR FIRE OR BARBECUE	11 3/4" x 16 1/2"	10
24-G	GRATE—TOP OR FIRE OR BARBECUE	11 7/8" x 23 5/8"	12 1/2
	DOOR AND FRAME—CAST IRON	Door Opening Width x Height	
DO-12	DUTCH OVEN DOOR & FRAME, COMPLETE	12 1/2" x 15 1/4"	22

Vestal Manufacturing also makes a large variety of cleanout doors, access doors and Dutch oven doors for use in outdoor fireplace construction. The above standard parts are carried in stock for those who do not care to use our Model OF-56. See your building materials dealer.

VESTAL MANUFACTURING

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