

FRUIT EVAPORATOR.



IT is built of wood. All the frame required is the upright, 2 by 2-inch posts and the 2 by 3-inch horizontal drawer rests. The drawer rests are placed flatwise and between the posts, rabbeted one half inch on each inhalation of air. The end drawers are 4 inches deep and 5 feet long, and are used to finish on. Have four extra drawers, and have some extra front pieces to put in and close up the openings when the drawers are out. The sheet-iron fenders, A B, extend the whole length, to distribute the hot and cold air. The cold air enters the ventilators below A, and is divided by B. The arch C is sheet-



FIG. 53.—FRUIT EVAPORATOR.

iron, with a two inch flange, resting on the wall of the furnace, which is 2 feet high and 2 feet wide, laid in mortar. The top course of brick is laid in mortar, on the flange, to prevent the escape of smoke. The building is 10½ feet long, 7 feet high and 4 feet wide. D D are connecting rods attached to the ventilators. The furnace can be built below the surface on sloping ground. The amount of heat is great, and the thing to be observed closely is to admit plenty of cold air through the ventilators. The illustration, without going into details, gives enough to enable a good workman to construct a cheap and good evaporator that will do more than twice the work of some of the high-priced machines.—J. W. BEACH, in *Farm and Fireside*.