

extremely cold weather the temperature would not be unduly lowered. It must not be forgotten that the velocity of the air travelling through the outlet is greatly increased as the difference of temperature between the inside air and that outside is increased. Therefore a damper is placed in the outlet so arranged that it is easily controlled.

The inlets should have at least 8 square inches of area per animal. This should be measured through the effective area of the grating covering the inlet. These inlets should not be very large, 4" x 6" to 6" x 12" being good sizes. They should be distributed so as to leave

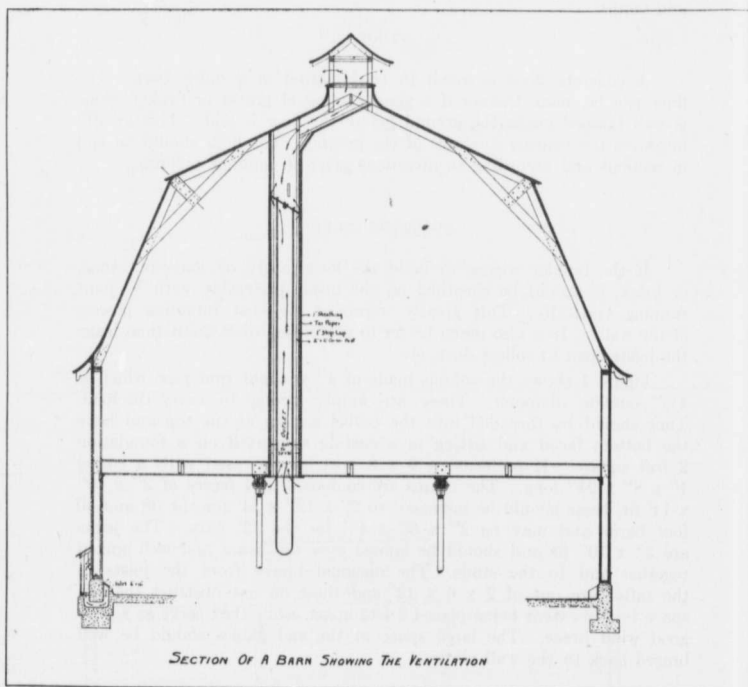


FIG 4.

no corners or spaces unsupplied with fresh air. The inlet should be 8 inches above the floor. The inlet where the air is taken into the flue, outside the barn should be covered with fly screen. The opening should be on the sides and not on the face of the flue so that when the wind is strong on that side of the barn it will not blow directly into the flue and cause much more air to enter that side of the barn than is entering on the other side.