

PLAN OF PIGGERY.

The plan which is given here is taken from a new piggery built this year by Mr. J. L. Brethour, Burford, Ont. Its construction is comparatively cheap, and it possesses many desirable features. It is capable of many modifications; and a careful study of the plan will be helpful to those who intend to build. Of course, the building can be made any length desired.

The building is 36 x 100 feet, outside measurement. A cement wall 8 inches thick rises 3 feet above the floor. On top of this wall the frame is built. The walls are built of 2 x 4-inch studding, boarded on the outside with cheap lumber, covered with building paper and tightly clap boarded on top of the paper. On the inside, the walls are lined with matched lumber, so as to form a dead air space inside. The lining also extends over the lower side of the rafters, giving a dead air space under the roof, as well as the walls.



Cross section of Piggery, showing contour of floor, shape of roof, and supports for same.

From the cross-section it will be seen that the total height of the wall on the north side is 11 feet and of that on the south side 8 feet. The roof has the same pitch on both sides, so that there is a drop of 3 feet from one section of the roof to the other, at the centre of the building. In this space wind-lows are inserted to throw light and a certain amount of sunshine into the row of pens along the north side of the building. These windows are hinged at the bottom and can be opened at any angle according to the requirements of ventilation. A ratchet device, similar to that used for opening the ventilators in greenhouses, would be very convenient for this purpose.

The floor is cement. Cement is so durable and so easily cleaned, that it seems to be about the only satisfactory floor. The part A B (see cross-section) is 6 inches higher than C D. There is a fall of 1½ inches from A towards B, and a fall of 3 inches from D towards C. Thus all the drainage is towards C, the lowest point; and the bed, being on top of A B, is always dry.

There is a partition 3½ feet high between the bed and the feeding pen, and the opening from the bed to the feeding pen is 2½ feet wide. The partition shelters from draughts, and also economizes bedding by holding the straw in place. The other partitions are 1 foot high. The partition next to the feed passage is made of No. 9 coil steel wires, 2 inches apart at the bottom and grading to about 3 inches apart near the top. They are stiffened by a