



A Large Vegetable Growing Plant in Pennsylvania, Erected by King Construction Co.

Note that heating pipes are sufficiently high to permit the ground being plowed and cultivated with a horse. The large door at the end of each house will allow a team and waggon to enter with manure, also machinery for cultivating and for other purposes.

the difficulty of getting at the glass for repairs. Nevertheless, a house 150 feet wide by 500 feet long has been built and is claimed to be a commercial success. The popular question at present as to size of house for a man to start with, allow for extension as his business grows, seems to hinge around connected houses of twenty-one feet, eight and a half inches, using twelve foot sash bars, lumber length, and twenty-five feet, two and a quarter inch, using fourteen foot bars, or, where land is sufficiently plentiful, separate houses of not less than forty to sixty feet in width.

In the connected houses, continuous single ventilation is usually installed but if extra ventilation is required, then ventilation each side of ridge can be used and the King construction ventilator is such that the extra side can be added afterwards if required, using the same glass that was in the roof without cutting.

In these houses, also, the lightest sash bar, No. 6, can be used in the roof. Owing to the extra light-admitting qualities of this bar, the advantage gained by its use will out-weigh many objections that can be raised against it. The number of valley gutters required gives easy access to the roof for repairs and when of iron, as they should be, present sufficient surface for drainage and the melting of snow with reasonable rapidity. The nar-

rower span, twenty-one feet, eight and a half inches, is recommended where weather conditions are the more severe. Otherwise, the standard twenty-five feet spans have met with much success and are cheaper to install.

For the separate houses averaging fifty feet span, ventilation both sides of the ridge should be used since as regards amount, this is only equal to single ventilation in the block previously referred to. If more ventilation is required, however, side ventilation can be resorted to. It is held by growers, however, that side ventilation in wide houses, being only local, is a poor substitute for proper or sufficient ventilation at ridge.

In resorting to side ventilation in order to create a current of air (which, however, is looked upon by some as of the nature of a draft and injurious in many cases), as Mr. Fraser remarks, the opening should be low down, thus drawing the coolest air into the house. In working with the growers in the Great Tron-dequoit vegetable growing district of the United States, a cut of one of whose houses is here shown, the King Construction Co. has met some of the demands for side ventilation, by the plans shown in Figs. 1 and 2, which we explain as follows: The glass in the side of a vegetable house should reach within one foot of the ground, where weather conditions will admit, but in this country

where snow is plentiful and liable to bank up against the walls, two feet or in an extra wide house, even more dead wall may be necessary.

In some cases, in the district referred to, an opening is left under the framing of the sash (See Fig. 1) which is banked up in the winter. In other cases, side sashes are hinged to the eve, or where eves are too high, a header is run along the side of the house as in Fig. 2, to which the sash is hinged.

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About Tomatoes

The illustration on our front cover represents the tomato patch of Mr. Jas. A. Woods, of Stratford, Ont. The variety staked is Livingstone's Globe and the others, Livingstone's Favorite. The photograph was taken two years ago on August 2nd. According to Mr. Wood, the Erlana and varieties of that type are not successful in his locality, either in crop or quality.

When writing of the location, Mr. Wood said: "The elevation here is about 1,200 feet above sea level, or say 950 feet above Lake Ontario. The June frost is our chief dread. Scientifically, it may have nothing to do with it, but practically this frost is co-incident with the full moon."