

## FRUIT STORAGE CELLAR.



HE building can be made any size or form desired, provided you secure protection against freezing, and perfect ventilation. In localities where the winter temperature is apt to fall to  $35^{\circ}$  below zero, such a building must be very carefully constructed, and I think the following plans would answer the purpose: The foundation should be of stone, two feet thick. Set  $2 \times 4$  joists, 10 feet high for one story, two feet apart upon the foundation walls. Line up each side of the joist with good matched boards, and paper the same with building-paper. This will leave an air chamber four inches wide in the centre of the wall. On each side of this nail  $2 \times 6$  plank and cover it with siding on the outside, but with matched boards on the inside, filling the 6-inch space with sawdust slightly packed. For the roof use  $2 \times 10$  plank, ceiled on both sides, and the space filled with sawdust. The outside of the roof must be covered with water-proof roofing. There should be two doors, one to open inward and the other outward, and they

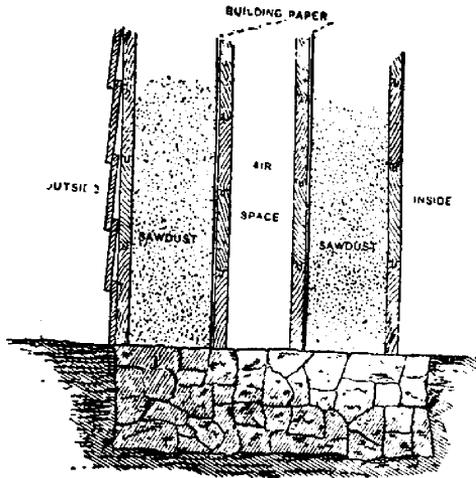


FIG. 84.—WALL OF FRUIT-STORAGE CELLAR.

must be made thick, so that the resistance to heat or cold will be about the same here as on the sides and ends. If windows are used, four sashes, about two or three inches apart and closely fitted, will be required. Now for ventilation. If the floor is high, so that water will not stay on it, I would leave a hole under the wall within a foot of the corner at each end. Build it up one foot above ground, and cover it securely in such a manner as to be easy of access to