

hot air pipe extends, is situated upwards from and between the lamps. While the $3\frac{1}{4}$ -inch pipe is effectual in conveying heat to its further end, still Mr. Emmerich is of the opinion that if it were a size larger it might be even more satisfactory.

Regarding oil lamps smoking when put to such a use and of which some complain, no trouble has ever been realized. The lamps are kept perfectly clean and nothing but the best 150 tested oil is used. Care is taken, however, to not have them turned up too high at any time, for if they were, naturally they would smoke. By means of the pipe leading outside all smell of the burning oil is removed.

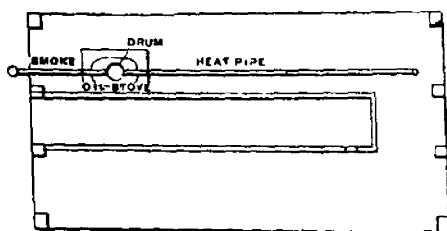


FIG. 10. PLAN OF GREENHOUSE.

Concerning the general success of this house, the writer says he wishes our readers could see the beauty and perfection of the many plants grown within its walls. Still it must not be forgotten that the general attention bestowed on plants has at all times quite as much to do with their success as the providing of sufficient heat and light for their wants.

THE FARMSTEAD LAWN.

FAMILY games, the out-door games, of summer, must be provided for. Everybody, almost, plays croquet, and lawn tennis is rapidly becoming an equally popular game. The boys also want a place to play ball, and at least the small boys can be allowed a chance upon the small area reserved for the two home games referred to. These ought, of course, to have as level a spot as possible, with trees around it for shade, but not too near. Seats may be provided beneath these trees for weary participants or elderly on-lookers. It is well worth while to take considerable pains with this play ground, so that the games may be played in a satisfactory manner, and skilled players be satisfied with the facilities for displaying their accomplishments. The levelling ought to be done with care, and a fine, thick June Grass sod secured by good preparation of the ground, liberal seeding, and a regular but moderate use of the lawn mower. These things take time; but "the labor we delight in physics pain," saith the poet, and both the boys and the girls of the family will willingly help to prepare the ground devoted to social recreation and the entertainment of visiting friends and kinsfolk. All that I have indicated can be carried out nicely on the space of a single acre.—From "Some Thoughts on Lawns," in *Vick's Magazine* for November.