

The latest surprise is a Japan novelty, known as "Mrs. Alpheus Hardy," named after an American lady of that name who showed some kindness to a Japanese student of Harvard College, and who in return sent to his native land for some Chrysanthemum roots as a present for her. Among them was this variety. At first view it appears to be an ordinary incurved Japanese variety, but on closer inspection it is seen to have numerous coarse hair-like excrescences on the reverse of the florets, which it is hoped may prove a fixed feature, and give rise to kinds with even a greater degree of hairiness.

### A GREENHOUSE FOR AN AMATEUR.

A BALTIMORE correspondent of *Popular Gardening* furnishes the following description of a cheap greenhouse, which he had found most satisfactory, and as it furnishes a reply to one of our correspondents, we give it in our pages also.

Size of building 9 x 16 feet, being a lean-to against the dwelling. Cost \$28.50 complete, including the heating contrivance, which consists of kerosene oil stoves and drum with connecting hot-air pipe about twelve feet in length and three and a half inch in diameter inside measure.

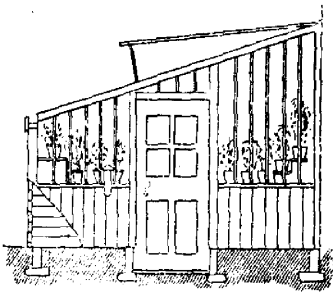


FIG. 9--A CHEAP GREENHOUSE.

The average cost of heating is but ten cents a night. A pipe leads from over the lamps to the outside of the building to conduct away any smoke or smell from the lamps. This pipe turns upwards outdoors, and is protected with a cap-like cover to keep the rain out.

The plan of putting up the structure was this: First, six 4 x 4 inch posts were set in the ground, resting on stones with some smaller ones between, and to these for making the sides, boards one foot wide were nailed lengthwise. Over these horizontal boards a second layer was nailed, but to have them run up and down, and with strips nailed over the joints. Two coats of paint were given to the exterior. The inside surface of the wall was covered with heavy building paper, an eighth of an inch thick. Altogether this wall is so warm that during the great blizzard, which last March (1888) visited our correspondent's region, a night heat of 47° was easily maintained.

Concerning the plan of heating with oil stoves, Mr. Emmerich says that in his case it is entirely satisfactory. Two small stoves, made by the Kerosene Oil Stove Co., and having two four inch wicks each, and an oil receptacle containing seven quarts to each. The drum from which the