

A CHEAP GREENHOUSE AND COLD FRAME.



HEREWITH submit the plan of a cheap greenhouse, with cold frame attachment, which can be built of all new material and fitted up ready for operation for about \$21.50, and if anybody has lumber lying idle they can build it at a still less figure. I have operated one for my own private use the past winter, and it was a decided success; only twice throughout that season did

I use three wicks, this was in cold snaps when the outside temperature marked from 10 to 16 degrees below zero, and I then found no difficulty in maintaining an average night temperature of 52 degrees. At no other time did I burn more than two wicks and often only one. I kept a small basin of water on one side of the stove, giving it just heat enough to evaporate a moist air, and filling it about twice a day; the fumes from the stove were hardly noticeable after being lighted an hour.

In this house I grew a general variety of plants and bulbs, the latter doing exceptionally well. The cost of heating was one-half gallon oil per day in severe weather. Many of your readers no doubt, like myself, are feeling the business depression of the past year, and this is a handy practical house and set of frames at hard time prices. In my estimate the cost of shutters to cover the cold frames is not included. The cold frames can be connected with the house by one siding board in the frame, put on hinges, and opened on severe cold nights to prevent damage from frost.

In constructing the house I would say that the siding is nailed to the joist and the whole inside is lined with builders' paper fastened in place with strips, and the whole covered with whitewash. Anyone, at a little extra expense, can make a double siding with an air space, which aids greatly in keeping out the frost.

Plans for a cheap greenhouse and potting shed 17 feet long and 7 feet high, with cold frame attachment: greenhouse and frame proper, 12 feet long; house 7 feet wide and cold frame 6 feet wide, built at a cost of \$21.33 for first-class material, and at a much less price if you have waste lumber and other material lying idle.

PRICE AND QUANTITIES OF MATERIAL NEEDED.

6 joists, 3 x 4 in., at 18 cts. each	\$ 1 08
6 fence rails, at 16 cts. each	96
20 Novelty sidings, at 25 cts. each	5 00
4 boxes glass, 10 x 12 in., at \$2.50 each	10 00
12 batten strips, at 5 cts. each	60
9 plain boards for shelves, etc., at 16 cts. each	1 44
Paper for lining	24
Putty	20
Nails	20
Oil stove, 3/4 in. wick and pan	1 60

Total..... \$21 33