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Homemade Syrup From Sugar Beets.

As one of the consequences of the war the price of granulated sugar has very materially advanced during the past two years. This fact has prompted the inquiry, can a wholesome syrup be made in the home from sugar beets that can be used as a sugar substitute?

To ascertain the possibilities in this direction the Division of Chemistry of the Experimental Farms has been making a number of experiments, taking as a basis the simple process described in the U. S. Department of Agriculture, Farmer's bulletin No. 823. The results of this investigation have shown that a syrup may be prepared from sugar beets which though not palatable for direct use, as on pancakes, porridge, etc., can be successfully employed as the "sweetener" in the making of buns, muffins, cookies and gingerbread and possibly other cookery products in which a dark color is not objectionable. The syrup—the method of making which is about to be described—is of a thick consistency, very dark, and contains from 50 to 60 per cent. of sugar. It is intensely sweet but unfortunately leaves in the mouth a very distinct and unpleasant after-taste which is due, no doubt, chiefly to the mineral salts extracted from the beet in the process of making the syrup. This disagreeable after-taste precludes, in our opinion, the possibility of using the syrup directly on articles of food. However, a number of trials with it as a sweetener in cooking has demonstrated that it can be satisfactorily employed in baking operations, as already stated, the product being free from any appreciable unpleasantness. The process, which is exceedingly simple, is as follows:

1. The beets should be thoroughly washed, and the crowns cut off at the lowest leaf scar and rejected. The remainder of the beet is then sliced as thinly as possible, put into a tub, crock or other suitable receptacle and covered with BOILING water at the rate of 1½ gallons per 10 pounds sliced beets. The whole should be kept hot for an hour or so, with constant stirring, and then strained through two thicknesses of cotton. The juice so obtained is brown or brownish black in color and was found to contain 5.75 per cent. to 6.75 per cent. sugar.

2. The juice, obtained as already described, is boiled down to a volume of approximately one tenth of that originally

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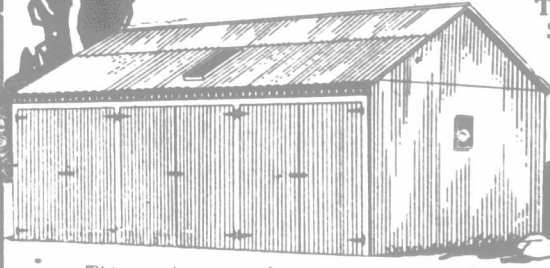
This fireproof through-drive building is 20 ft. x 24 ft., height 10 ft. to the eaves. We will ship you all materials—the frame members cut to fit by rapid money-saving machines, the trusses assembled, windows and doors made complete, the metal siding, and all hardware—for \$259.

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This cut shows one of many arrangements of doors that can be supplied

present, care being taken that the syrup as it thickens does not scorch or burn. During the boiling the scum which constantly rises should be removed.

To preserve the syrup for future use it should be bottled while still hot in self-sealers and the covers at once tightly screwed down.—Experimental Farms Note.

Gossip.

Thirty-one Pound Breeding in the Belleville Sale.

It is not too often that any consignment sale-ring in Canada, or any other country in fact, can offer cows with records up to 31.94 lbs. of butter and 625 lbs. of milk in 7 days. Cows of this calibre are not too plentiful in most districts and when they are found it is usually pretty hard to induce the owners to put them into a sale without any protection whatever. The Belleville Club, however, have in some way or other, always been fortunate in inducing some member of their Club to consign one or more of this kind in order to give the other contributors a standard at which they could aim. This year it has fallen to the lot of Carman Baker of Brighton, to set "the standard" and for this he has chosen from the best of his herd and has catalogued his great producing cow, Daisy Gerben Verbeke, whose splendid seven-day record for both milk and butter production is mentioned above. In writing "Farmer's Advocate" under date of March 1st, Mr. Baker says: "When we stopped testing her she was striking a 35-lb. gait but as I could not get cotton seed, oil cake or gluten I had to let her drop." He also adds that she was still milking 90 lbs. per day then. That she would be one of the tops of any sale goes almost without saying and to make the sale still more attractive her bull calf, sired by a 34-lb-bred grandson of King Segis Pontiac Alcartra, (the \$50,000 sire) also goes through the sale-ring. Two other heifers make up Mr. Baker's entire consignment. These heifers are sisters, both being sired by Pontiac May Pietertje, son of the noted Pontiac Hermes and May Echo Pietertje, a daughter of the great May Echo, the 31.34-lb. dam of the world's greatest milk producer, May Echo Sylvia. If you have not received a catalogue write at once to F. R. Mallory, Frankford, Ont., and note therein further particulars regarding Mr. Baker's offering.

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