

W 1 T H the increasing interest in pure foods everybody wants to know how things to eat are made. Food factories which the aver-age person formerly shunned now entertain streams of interested visitors to see how the products are made and packed. Sugar refineries are visited less often than canneries, biscuit bakeries and preserving kitchens because the processes of refining require large and complicated plants so that the number of refineries is relatively small. Economy requires that a sugar refineries shall be located on the seaboard or on the banks of a navigable stream so that the raw sugar may be shipped all the way by water. Sugar refineries are less accessible to the general public than food factories or other sorts which are distributed throughout the country.

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housewife.

When the many careful processes of filtration and clarifying have been completed the raw sugar emerges in the form of pure syrup, a clear brilliant water white liquid. Again it is led to vacuum pans where boiled until crystallized into the familiar forms of ordinary sugar. When the process of crystallization is completed it is diverted to the granulating machines which turn out the standard coarse, medium and fines of commerce, or the rolling and crushing machines which produce the several grades of powdered and confectioners sugar.

The final step in the preparation of sugar is packing the product ready for delivery. Automatic machinery measures out the sugar with the regu-larity and rapidity of a trip hammer and with perfect accuracy. Tons of it are poured into bags and cartons with the Lantic red ball. Fairy fingers of metal snap back and forth and with the effect of magic a thousand packages, are filled correct to the tiniest if action of an ounce and swiftly sealed without a human hand to aid in the process.

Compare this automatic packing with the work of the swiftest clerk you ever saw. In the time that a single package could be wrapped and tied a whole battery of cartons is filled and sealed, making a strong convenient sanitary package easily handled in the store or in the home pantry. Packing by machinery is so much more safe, cleanly and economical than packing by hand that there is no doubt that all sugar will shortly be sold in the package

Packing by automatic machigery is one of the latest of a long series of economics in refining and handling augar. The first white sugar cost the consumer of a hundred years ago about twenty cents a pound. Refineries were then able to get about first pounds of white sugar from one hundred pounds of raw sugar. Improvements in refining now enable them to get a much larger per cent of refined sugar from one hundred pounds of raw, making white cane sugar the chespert, purest and most delicious of all the energy giving foods.

Part 1





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