

### Ancient Sugar Refining.

The modern system of sugar refining with improved machinery and an expensive plant, when compared with the method of the ancients, presents a striking contrast. The early mode of making white loaf sugar is simple. And travelers in eastern countries occasionally witness sugar making in a primitive and economical way, that might be worth a trial by the maple sugar manufacturers of Canada. When the syrup is cleansed, boiled, and cooled to an extent that it is ready to mould into black or brown cakes, instead of emptying the molten sugar into cold pans, it is poured on little pan-shaped hills of fresh earth, covering them to the depth of one or two inches, after which the sugar is dried and laked on the hills under the rays of the sun, and what would have been very brown sugar by the maple sugar method, becomes almost as white as the best loaf when the earth side of the thick cake is scraped off.

The approach of the maple sugar season suggests this information; and should a manufacturer desire to try the experiment of making white sugar in this way all that will be necessary is to take a compliment of fresh earth the size of a potato or corn hill, and flatten it out to the depth of six inches, and pour a thin layer of the molten sugar on the hill top as described, and let it dry in the sun. On the south coast of Spain this ancient method still obtains at Denia, where refuse pickings from raisins furnish the syrup to make loaf sugar in the open air on the ancient plan.

### Tea Markets.

The London *Grocers' Gazette* says of Teas: "China Tea.—The demand this week has been small, and with holders of tea remaining firm but little business has been done. Some common red leaf teas sold from 5½d per pound upwards, and good Panyongs have been done at 7½ to 8½d per pound. A considerable business has obtained in new makes and one or two large lines were disposed of privately. Scented capers at auction sold from 5½ to 6½d per pound for common, a few fine parcels going up to 1s per pound. The lower grades are rather dearer. The green market is quiet, with a lower tendency for common kinds.

Indian Tea.—Although auctions have been a good deal smaller this week, there has been no pronounced activity in the buying; in fact, prices for all but common grades have shown a further shrinkage. Towards the end of the week business dragged a great deal, and brought over teas were most difficult to place. Prices for commoner Pekoes have again receded, and between 9 and 10d per pound these teas are now showing marvellous value, yet they are not saleable, though relatively much cheaper than low leafy grades. Good liquoring leafy broken kinds have been in active demand, but broken Pekoes continue very flat, and a great many parcels have again been taken out, especially in Calcutta bought invoices. Tippy broken over 1s per pound are again weaker, and wonderful style can be had for 1s 1d or 1s 2d per pound. A few fine Darjeelings made high quotations, but the proportion of finest tea has been small. Quality has in a good many cases shown distinct falling off, but some of the Sylhet estates sent forward some very useful teas. Most invoices from the Doars district have been poor and dry.

Ceylon Teas.—Common teas have again gone well, in fact, Pekoo Souchongs are now making within a fraction of the price of the Pekoes in the same invoice, the latter having, in common with Indians, gone back, while the former are dearer. Broken Pekoes are still wonderfully cheap, but they met with a little more attention this week. Quality on the average has been useful, but very few fine invoices were included, so there were not many high quotations. The proportion of tea sold under 8½d per pound was again very small."

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# NORTHERN PACIFIC R.R.

## TIME CARD.

Taking effect on Sunday, Nov. 20, 1892.  
(Central or 90th Meridian Time.)

North Bound			South Bound		
Brandon Ex. Tues. Th. & Sat.	St. Paul Express Daily.	Miles from Winnipeg.	STATIONS.	St. Paul Express Daily.	Brandon Ex. Mon. Wed & Fri.
2:55p	4:10p	0	Winnipeg	11:45a	1:00p
2:45p	4:00p	8	Portage Junction	11:54a	1:10p
2:30p	3:45p	16	St. Norbert	12:03p	1:24p
2:17p	3:31p	24	Cartier	12:23p	1:37p
1:59p	3:13p	32	St. Agathe	12:41p	1:55p
1:50p	3:04p	40	Union Point	12:49p	2:02p
1:30p	2:51p	48	Silver Plains	1:01p	2:15p
1:20p	2:33p	56	Morris	1:20p	2:36p
	2:18p	64	St. Jean	1:35p	
	1:57p	72	Letellier	1:57p	
	1:25p	80	Emerson	2:15p	
	1:15p	88	Pembina	2:25p	
	9:35a	168	Grand Forks	6:00p	
	5:35a	223	Winnipeg Junction	9:55p	
	8:35p	470	Minneapolis	6:30a	
	8:00p	481	St. Paul	7:05a	
	9:00a	583	Chicago	9:35a	

### MORRIS-BRANDON BRANCH.

East Bound.			West Bound.		
Freight Mon. Wed. & Fri.	Passenger Tues. & Sat.	Miles from Winnipeg.	STATIONS.	Passenger Mon. Wed. & Fri.	Freight Tues. & Sat.
11:40a	2:55p	0	Winnipeg	1:00p	9:00a
7:30p	1:15p	0	Morris	12:30p	7:50a
9:40p	12:55p	10	Low Farm	3:05p	8:15a
5:46p	12:27p	21	Myrtle	3:31p	9:05a
5:24p	12:15p	29	Roland	3:43p	9:25a
4:40p	11:57a	33	Rosebank	4:02p	9:58a
4:10p	11:43a	36	Miami	4:15p	10:25a
3:23p	11:20a	40	Deerwood	4:35p	11:16a
2:58p	11:05a	51	Attamont	4:50p	11:48a
2:15p	10:49a	62	Someset	5:10p	12:23p
1:43p	10:33a	68	Swan Lake	5:24p	1:00p
1:17p	10:19a	74	Indian Springs	5:39p	1:30p
12:57p	10:07a	74	Maricapolis	5:50p	1:55p
12:22p	9:10a	86	Greenway	6:16p	2:28p
11:51a	9:35a	92	Balder	6:21p	3:00p
11:04a	9:12a	102	Belmont	6:45p	3:50p
10:30a	8:55a	108	Hilton	7:23p	4:30p
9:49a	8:40a	117	Ashdown	7:35p	5:05p
9:35a	8:30a	120	Wawanesa	7:47p	5:16p
8:48a	8:06a	129	Routhwaite	8:14p	6:09p
8:10a	7:43a	137	Martville	8:35p	6:45p
7:30a	7:30a	145	Brandon	8:55p	7:30p

West bound passenger trains stop at Belmont for meals.

### PORTAGE LA PRAIRIE BRANCH.

Taking effect Tuesday, Dec. 20, 1892.

East Bound.			W. Bd.		
Mix. No. Mon. Wed. Fri.	Pass. No. Tues. Sat.	Miles from Winni. per.	STATIONS.	Pass. No. Mon. Wed. Fri.	Mix. No. Tues. Sat.
12:15p	12:10p	0	Winnipeg	4:15p	3:40p
11:50a	11:52a	3.0	Portage Junction	4:25p	4:00p
11:38a	11:33a	11.5	St. Charles	4:45p	4:20p
11:07a	11:2a	14.7	Headly	4:50p	4:35p
10:36a	11:12a	21.0	White Plains	5:07p	5:00p
10:05a	10:54a	28.8	Gravel Pit	5:25p	5:27p
9:55a	10:45	31.2	Laxale Tank	5:31p	5:35p
9:33a	10:40a	35.2	Bustace	5:40p	5:40p
9:11a	10:25a	42.1	Oakville	5:50p	6:13p
8:25a	9:55a	55.5	Portage la Prairie	6:25p	7:0p

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