

TENDERS ASKED FOR BY THE DOMINION GOVERNMENT

Firms desirous of tendering for any Government Supplies should apply to the War Purchasing Commission, Booth Building, Ottawa, giving particulars of the business in which they are engaged and a list of the articles which they wish to supply.

Tenders are constantly being invited by the different departments of the Government, tender forms and specifications being distributed by mail to all individuals or firms concerned, known to the Commission.

The War Purchasing Commission keeps a register of the different firms and lines of business which they are interested in, and it is, therefore, advisable that those wishing to have tender forms sent them should register their names, addresses, catalogues, etc., with the War Purchasing Commission, which co-operates with all other departments.

Tenders have been invited by the different departments of the Dominion Government between August 2 and August 9, as follows:—

SOLDIERS' CIVIL RE-ESTABLISHMENT—

Drawing tables..	Montreal..	August 15
Stools, high..	"	" 15
Tool steel..	"	" 15
Lead burning outfit..	"	" 15
Universal woodworker..	Kingston..	" 18
Hardware..	Montreal..	" 15
Screw cutting engine lathe..	Ste. Anne de Bellevue..	" 19
Motor..	Kingston..	" 18
Lumber..	Fredericton..	" 19
Glass bases..	"	" 22
Coal..	Wiltshire..	" 23
Coal..	Charlottetown..	" 23
Single Spindle Fzizzer..	Montreal..	" 23
Single Spindle Frizzer..	"	" 23
Coal..	"	" 23
Coal..	Halifax..	" 23
Coal..	Sydney..	" 23
Coal..	Lake Edward..	" 23
Coal..	Ste. Agathe des Monts..	" 23
Oil colours and wood dyes..	Fredericton..	" 22

JUSTICE (PENITENTIARIES BRANCH)—

Electric motor..	Kingston..	August 18
Cement..	"	" 18
Galvanized and B.I. pipe..	"	" 18

PUBLIC PRINTING AND STATIONERY (STATIONERY BRANCH)—

Kraft envelopes 5 x 9½, o.s..	Ottawa..	August 18
Window envelopes..	"	" 21
Shannon files..	"	" 21

PUBLIC WORKS—

Stools..	Ottawa..	August 22
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MILITIA AND DEFENCE—

Drugs..	Ottawa..	August 19
Surgical instruments..	"	" 19
Surgical supplies..	"	" 19
Photographic supplies..	"	" 19
Vaccine..	"	" 22
Tablets..	"	" 20
X-Ray supplies..	Montreal..	" 22
Laboratory supplies..	Ottawa..	" 27
Boiler..	"	" 25
Motor car tires and tubes..	"	" 16
Flags, Union, 6 ft. x 3 ft..	"	" 22
Dishes..	"	" 21
Bowls, chopping..	"	" 21
Porcelain ware..	"	" 25
Rubber tubing..	"	" 28
Gold..	"	" 25
Dental supplies..	"	" 28
Bread..	Ste. Anne de Bellevue..	" 18
Coal..	Halifax..	" 21
Coal..	Charlottetown..	" 21
Wood..	Aldershot..	" 21
Wood..	Canning..	" 21
Wood..	Lévis..	" 21
Sweeping chimneys..	St. John..	" 21
Bread..	Regina..	" 25
Fish..	"	" 25
Rice..	Calgary..	" 23
Bread..	Victoria..	" 27
Rolled oats..	"	" 27
Milk, etc..	"	" 27
Coffee..	Toronto..	" 20
Cheese..	"	" 20
Coal..	Ste. Anne de Bellevue..	" 18
Coal..	Pt. Aux Trembles..	" 19
Bread..	London..	" 19
Rice..	"	" 19
Milk, etc..	"	" 19
Bread..	Kingston..	" 20
Currants..	"	" 20
Bread..	Ottawa..	" 19
Special meats..	Cobourg..	" 19
Bread..	Quebec..	" 20
Bacon..	"	" 20

MILITIA AND DEFENCE—Concluded.

Bread..	Fredericton..	" 22
Bread..	Winnipeg..	" 23
Rice..	"	" 23
Sugar..	"	" 23
Cheese..	"	" 23
Bread..	Vancouver..	" 27
Rolled oats..	"	" 27
Bread..	Hamilton..	" 19
Milk, etc..	"	" 19
Tea..	Toronto..	" 20
Ice..	"	" 20
Coal..	Old Forts..	" 19
Coal..	Chambly..	" 19
Bread..	Toronto..	" 20
Rice..	"	" 20
Sugar..	"	" 20
Bread..	St. John..	" 22
Beef..	"	" 22
Bacon..	"	" 22
Flour..	"	" 22
Coffee..	"	" 22
Horseshoeing..	"	" 22
Dry cleaning..	Halifax..	" 23
Rolled oats..	Kingston..	" 26
Head cheese..	Cobourg..	" 26
Corned beef..	"	" 26
Beef hearts..	"	" 26
Bread..	Port Arthur..	" 20
Bread..	Edmonton..	" 26
Coal..	Halifax..	" 26

SURPLUS STORES—

Surplus Barrack Stores at..	Kingston, Ont..	Due Aug. 23
	Pembroke, Ont..	" 23
	Brockville, Ont..	" 23
	Renfrew, Ont..	" 23
	Napanee, Ont..	" 23
Surplus Barrack Stores at..	St. John, N.B..	Due Sept. 4
	Sussex, N. B..	" 4
	New Castle, N.B..	" 4
	Woodstock, N.B..	" 4
	Charlottetown, P.E.I..	" 4
Caps, Balaclava..		Due Sept. 1
Sweater jackets..		" 1
Bugles..		" 3
Drums..		" 3
Drum aprons..		" 3
Trumpets..		" 3
Signalling flags..		" 3
Whistles..		" 3

PRESENCE OF POTASH IN PRAIRIE SLOUGHS

Report on Alkaline Lakes in Saskatchewan shows slight traces

The following report on the subject of "Potash in the Saline Waters of Saskatchewan" by Mr. D. B. Dowling, of the Geological Survey, is taken from a bulletin "Summary Report, 1917, Part C," published by the Department of Mines:—

The presence of alkaline lakes in many districts, especially in the dry belt, has drawn attention to the possibility of there being potash salts in the rocks underlying the plains. Many analyses have been made of these waters and slight traces of potash have been found. The most hopeful indications are from samples of the waters from the north-eastern part of Saskatchewan which is underlain by beds similar to the Odanah shales of the Riding Mountains section of Manitoba. Analyses of the shales of Pembina Mountain section and of the gumbo derived from the washing down of the shales into the Red River valley indicate that both contain a small amount of potash salts. The boulder clay of the Regina district, also, which is derived from the shales of the north, has appreciable amounts of potash minerals, so that although commercial deposits may be hard to find, yet, owing to the natural potash content of the soil, the agricultural necessity for this alkali is very remote in the Red River valley and throughout a large part of the plains.

The water of Quill lake at Wynward contains an appreciable amount of potassium chloride, and it is possible that some contributing springs may be found that may be of value. The following analysis of this water has been furnished by the Canadian Pacific railway (parts per 100,000):

Cal. carb. 20.55; cal. sulph. 0.40; mag. carb. 1.86; mag. sulph. 562.46;

soda carb. 22.55; soda sulph. 680.27; soda chl. 178.43; pot. chl. 16.33; Fe and Al 0.85; silica 2.2.

Boring for potash is in progress near Weyburn. Surface indications in this district are derived possibly from the leaching of the boulder clay, but the boring will probably penetrate to the Odanah shale beneath and the question of whether the salt is disseminated through the shale as in the outcrops in Manitoba, or is found in commercial deposits, will be decided.

An analysis of the water found at Talmage on the Grand Trunk Pacific railway near Weyburn shows a high alkaline content, but the soda and potassium salts are not separated. The following analysis was made for the railway company by the Dearborn Chemical Company of Canada, Toronto.

Analysis of Water from Talmage, Sask.

Parts per gallon.	
Silica..	4.847
Oxides, iron and alumina..	0.175
Carbonate of lime..	trace.
Sulphate of lime..	62.665
Carbonate of magnesia..	21.669
Sulphate of magnesia..	86.243
Soda and potassium sulphates..	117.992
Soda and potassium chlorides..	6.970

The brine springs of the Lake Winnipegosis district in Manitoba have been found to contain a larger per cent of the potassium salts than is found in the brines of western Ontario, but this percentage is apparently not sufficient to indicate that the water could be used as a source of potash.

Uses of Red Cedar.

Red cedar, aromatic cedar, or more properly juniper (*Juniperus virginiana*) grows in Ontario, but is not used to any extent on account of the scarcity of commercial sizes. It is imported from the United States for moth-proof chests on account of its aromatic odour. It should not be confused with Western red cedar (*Thuja plicata*), or with jack pine (*Pinus Banksiana*), which is sometimes called "juniper," as stated in a bulletin issued by the Forestry Branch, Department of the Interior.