



SEALED tenders addressed to the undersigned, and endorsed "Tender for Coal, Public Buildings," will be received until Friday, 10th August next, for Coal Supply, for all or any of the Dominion Buildings.

Specification form of tender and all necessary information can be obtained at this Department on and after Wednesday the 15th instant.

Persons tendering are notified that tenders will not be considered unless made on the printed forms supplied, and signed with their actual signatures.

Each tender must be accompanied by an accepted bank cheque payable to the order of the Honorable the Minister of Public Works, equal to five per cent. of the amount of tender, which will be forfeited if the party decline to enter into a contract when called upon to do so, or if he fail to complete the work contracted for. If the tender be not accepted the cheque will be returned.

The Department will not be bound to accept the lowest or any tender.

By order,
A. GOBEIL, Secretary.

Department of Public Works,
Ottawa, July 14th, 1888.



SEALED TENDERS addressed to the undersigned, and endorsed "Tender for Heating Apparatus, New Departmental Building, Wellington Street, Ottawa," will be received at this office until Monday, 6th August, next, for the several works required in the fitting up, etc., of a Hot Water Heating Apparatus at the New Departmental Building, Wellington Street, Ottawa, Ont. Specifications and drawings can be seen at the Department of Public Works, Ottawa, on and after Monday, 23rd instant, and tenders will not be considered unless made on the form supplied and signed with actual signatures of tenderers.

An accepted bank cheque payable to the order of the Minister of Public Works, equal to fifteen per cent. of amount of tender, must accompany each tender. This cheque will be forfeited if the party decline the contract, or fail to complete the work contracted for and will be returned in case of non-acceptance of tender.

The Department does not bind itself to accept the lowest or any tender.

By order,
A. GOBEIL, Secretary.

Department of Public Works,
Ottawa, 16th July, 1888.

Eckardt, Kyle & Co.

**IMPORTERS AND
WHOLESALE GROCERS.**

We beg to call the attention of buyers to our complete stock of

**TEAS, SUGARS, SYRUPS,
TOBACCOS, ETC.**

INSPECTION INVITED.

**No. 3, FRONT STREET EAST,
TORONTO.**

FOR SALE.

**IN CHIPPAWA COUNTY, MICH.,
Town 50 N 7 & 8 W.**

**ESTIMATED TEN MILLION
CHOICE WHITE PINE TIMBER**

Estimated to cut two hundred and fifty to three hundred thousand cubic board timber of a superior quality. One of the oldest locations for Board Pine in the States. Price and terms reasonable.

Apply to. **JOHN SPRY LUMBER CO.,
SAULT STE. MARIE, MICH.**

FOR SALE.

At a very reasonable sum one half interest in the Strathclair Saw and Grist Mills, situated on the Little Saskatchewan River, six miles from Manitoba & Northwestern Railroad in the district of Riding Mountain Timber Limits, comprising 22 square miles, river running through the center only 14 miles from the mills. All owned by Whitmer & Kayll, Mr. Kayll wishing to retire. A first class opening, good references can be obtained.

Apply to H. E. KAYLL,
Strathclair, P. O.,
Manitoba.

H.4. ANY

AND ALL STEEL AMERICAN

*** CHOPPING ***

AXES

For which I am Canadian Agent, are the Best in the World and the price is lower than for other good axes, Warranted or not Warranted.

GEO. STETHAM,

No. 381 George Street,

PETERBOROUGH, ONT.

TAPER PIKE POLES

**PEEVEY STOCKS AND
CANT HOOK HANDLES.**

The Pike Pole handles are twelve and thirteen feet long; made of the best Straight Rock Maple; are turned in a machine made expressly for the purpose, and are 1 3/4 inches in diameter for one-half their length, being then tapered to one inch at small end, and chucked to fit furrel. We are the only manufacturers in the world who have the system and machinery for turning out Taper Pike Poles successfully.

**THEY SELL ON SIGHT AND
GIVE THE BEST OF SATISFACTION.**

Price of Pike Poles, Peevey Stocks and Cant Hook Handles, \$25.00 per Hundred.

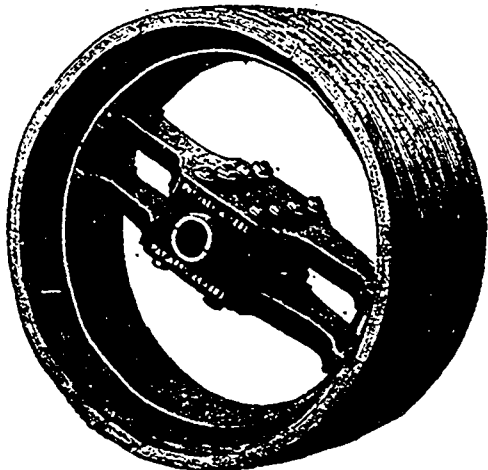
Sample Pole sent for 25 cents.

The following are a few of the firms who have used these poles for several seasons: D. Ulyott, Esq., J. M. Irwin, Esq., Geo. Hilliard, Esq., Peterborough; Gilmour & Co., Trenton; M. Brennan & Sons, Hamilton; Gilmour & Co., Chelsea, Que.; M. Boyd & Co., Robeygeon; Muskoka Mill & Lumber Co., Muskoka Mills, The Rathbun Co., Deseronto; Heath, Tait & Turnbull, Huntsville; Cookshire Mill Co., Cookshire, Que.

WM. FORSYTH,

PETERBOROUGH, ONT.

DODGE PATENT WOOD SEPARABLE OR SPLIT PULLEYS.



**BEST BELT SURFACE, LIGHTEST, STRONGEST,
BEST BALANCED AND MOST CONVENIENT
PULLEY IN THE WORLD.**

With our Patent Bushing System

Every pulley will fit 22 different sizes of shafting, and guaranteed to give from 30 to 60 per cent. more power from same belt and like tension than any iron or steel pulley. Every pulley a split pulley, 70 per cent. lighter than cast iron and 50 per cent. lighter than wrought iron or steel. Strong enough for any power required. Made in any size from nine inches to sixteen feet diameter.



As a material for pulleys wood is better than iron from the fact that it holds a belt much better. Most good mechanics are aware of this fact, but it may not be generally known how great is the difference, and for the benefit of our readers we give the result of two tests made and published by two of the most eminent mechanical authorities:—

Portion of Circumference embraced by belt.	Rel. value of leather belt		Portion of Circumference embraced by belt.	Rel. value of leather belt	
	On Wooden Pulleys.	On Iron Pulleys.		On Wooden Pulleys.	On Iron Pulleys.
.20	1.80	1.42	.20	1.90	1.40
.30	2.43	1.69	.30	2.40	1.70
.40	3.26	2.02	.40	3.30	2.00
.50	4.38	2.41	.50	4.40	2.40
.60	5.88	2.87	.60	5.90	2.90
.70	7.90	3.43	.70	7.90	3.40

Morin, Appleton's Encyclopedia, Haswell, Engineers' and Mechanics' Pocket Book.

A Dodge Patent Wood Pulley is better than iron from the

fact that it can be made very much lighter and thus save weight on the line shaft and bearings, thereby saving in expense from a saving in friction.

The advantages of the separable pulley are very apparent. By its use the necessity of taking down shafting already up for the purpose of putting on additional pulleys when needed, or to be changed, is avoided, thus saving time, trouble and expense, while their first cost is much less than any other pulley made not having these advantages.

The Compression Fastening whether used with keys in iron center or compression alone, keeps the pulley always in balance as the compression on the shaft and key is always towards the center.

The most perfect balanced iron pulley fastened with set screws or key, is invariably out of balance by being thrown from the centre, this fact is obvious to all mechanics.

The advantages of our mode of fastening over any other are: It is the only absolutely true fastening for a pulley. A pulley once properly balanced cannot be thrown out of balance in securing with this fastening. A pulley fastened with key or

set screw in the ordinary way, cannot be screwed without lifting the pulley from the shaft at that point where the key or set screw is placed, thus throwing the pulley out of balance.

Manufacturers should carefully avoid any pulley with a set screw fastening for shaft; also a key unless the pulley is compressed on it. The Dodge Patent Bushing system is a great convenience to manufacturers and also to agents who carry pulleys in stock, as with the aid of the patent bushings every pulley will fit 22 different sizes of shafts.

Haswell the acknowledged authority and most quoted by American mechanics, summarizes thus: The ratio is friction to pressure of leather belts, when worn over wooden pulleys is 47, over turned cast iron pulleys, 24, thus showing the average advantage of a wood pulley over iron to be 50 per cent.

We also manufacture GROOVED HARD WOOD PULLEYS FOR TRANSMITTING POWER BY MANILLA ROPES (tallow laid) by the Dodge Patent System of applying the ropes and taking care of the slack.

Illustrated catalogues of belt pulleys and the rope transmission system will be furnished on application to

The Dodge Wood Split Pulley Co., 89 Adelaide St. W., Toronto.