

A STRONG C.P.R. TEAM

FOR the "rigorous programme which Lord Shaughnessy recently hinted as planned for the war, the Board of Directors have selected as their new President, a team of Vice-Presidents well known for their driving force and executive ability, and particularly strong in the operating side. Grant Hall, who is Vice-President with jurisdiction over all lines, has been aptly described as a "big man physically" with a heart as big as his body. Grant, as he is known by the rank and file of the railway, is a favorite with everyone from the trackwalker up. He is a disciplinarian, but he is a just disciplinarian, and he is a master of common knowledge that no matter in what position he may have occupied, since he rose from the ranks in the old Grand Trunk shops, and showed his ability in the old C. P. R. shops at Hochelaga, he has always made it a point to investigate any complaint made to him by a man under his control.

Westerners will tell of the time when he was in charge at Revelstoke some dozen years ago and when he worked night and day for a week in the mountains to lift one of the worst snow blockades in the history of the transcontinental railway. It is a matter of record on the Revelstoke Division that "Grant" could get more work out of a body of men than any other half dozen men, and it is largely because he knows how to take of his own coat if they do such things as snow blockades and do his own share of the work.

Grant Hall was born at Montreal, November 27th 1883, and was edu-



Grant Hall, Vice-President with jurisdiction over all lines.



A. D. MacFier, Vice-President of Eastern Lines.



D. C. Coleman, Vice-President of Western Lines.

ated at Bishop's College and School, Lennoxville, Quebec. He joined the C. P. R. in 1887 as locomotive foreman and from 1893 to 1898 was general locomotive foreman on the International Railway at Montreal, New Brunswick. In September, 1898, he returned to the Canadian Pacific Railway where he was consecutively general foreman, first at the McAdam and later at the Winnipeg shops, master mechanic of the British Columbia Division, assistant superintendent of motive power eastern lines, and superintendent of motor power and car department western lines; from November, 1911 to December, 1914, assistant general manager western lines; when he was appointed Vice-President and General Manager.

A. D. MacFier, who is now Vice-President in charge of lines east of Port Arthur, like his former chief, David McNicoll, was born in Scot-

land and proud of his birth. He came to Canada when a young man and entered the service of the C. P. R. as stenographer in the Baggage Department in 1887, becoming assistant to the Superintendent of Sleeping and Dining Cars in 1893. From 1893 to 1898 he was in the Car Service Stores and Fuel Department, and from 1899 to 1909 was General Passage Agent. From 1909 to 1911 he held the position of General Agent, when he was appointed assistant to the Vice-President. In December, 1912, he was appointed General Manager, Eastern Lines. Mr. MacFier is very popular with the men on the road, whose interests he has always made his first concern. He has always insisted on giving proper credit for meritorious service. This is the first time that a special Vice-President has been appointed to look after Eastern Lines.

and it is a tribute to Mr. MacFier's special ability that he should have been chosen by the Directors to fill the position of Vice-President of lines west of Port Arthur, which had a remarkable rapid rise to such a responsible position but he deserved it for he is known to railway circles as a man of exceptional ability. Born at Castleton Place, Ontario, in 1879, Mr. Coleman joined the C. P. R. as a clerk in the assistant Engineer's Office at Port William in 1899. Rising rapidly he was appointed Superintendent at Nelson, B. C. in 1907 and in 1908 was Superintendent of Car Service, Western Lines. In April, 1912, he was appointed General Superintendent of the Manitoba Division at Winnipeg. In 1914 he became General Superintendent at Calgary and in 1915 Assistant General Manager, Western Lines, Winnipeg.

BRITISH AND FOREIGN
Hawker's airplane, which was salvaged in 1918, is to be placed on exhibition in London.
The U. S. naval plane, NC-4, has completed its flight by reaching Plymouth on Saturday.
Evacuation of Orenburg by the

Boleviski is suggested in a Russian despatch from Moscow to London.
According to a statement made in the British House of Commons there are under a million idle in the United Kingdom.

NOTICE
SPRING CLEANING
Carpets Cleaned—Yards Cleaned—Ashes Removed
C. E. HARPER & YOUNG
Phone 760 71 North St.

What Will You Do With The Interest?

When you cash in those Victory Bond coupons, exchange them for their par value in War Savings Stamps.

Your Country needs this money in those days of readjustment and reconstruction.

The purchase of War Savings Stamps is a easy way for you to save, as well as a patriotic duty.

JUDGE CAMPBELL
Chairman Ligon County Committee

WAR SAVINGS STAMPS

A Saving For You and a Service to Your Country

PREVENT POTATO ROT

Spraying With Bordeaux Mixture Proven Very Effective.

Machinery Must Be Kept Well Oiled If It Is to Work Efficiently—An Expert Discusses the Question From Every Angle.

LATE Blight and Rot of Potatoes can be prevented by spraying with Bordeaux mixture. Commence spraying when the plants are from five to eight inches high and keep the foliage covered with Bordeaux throughout the season. Take special care to see that the spraying is very thoroughly done if the weather is at all damp about the 15th of July, as Blight often begins about this time. Add a poison when necessary for potato beetles—granulate lead paste, 3 lbs. to each 40 gals. of the liquid spray, or Paris green 2 lbs. to 40 gals., or a mixture of 2 lbs. arsenate of lead paste and 1 lb. of Paris green to 40 gals. From three to seven applications should be made, depending upon the season—the wetter the weather the larger the number. Do not put off spraying because it looks like rain. If the spray is on the plants half an hour before the rain comes it will be dry and sufficient of it will stick to prevent infection, which takes place during or soon after rain. Such spraying should prevent not only Late Blight and Rot but also Early Blight and potato beetles.

Thorough spraying only is effective. If thorough spraying is to be done sublimed Bordeaux mixture must be used. From 50 to 150 gals. per acre should be applied at each spraying, and when the plants are large not less than 100 gallons per acre should be used. Thorough spraying means the covering of every portion of the potato plant with Bordeaux mixture in the form of a fine mist. This can only be done when the solution is applied with good pressure, so as to insure covering every portion of the plant. The best results from spraying are obtained when potato sprayers are used which are fitted with a T-joint attachment so as to insure covering both surfaces of the leaves at each spraying. When the plants are large it has been found that it pays to go over each row twice at each spraying. J. E. Howitt, O. A. College, Guelph.

The Importance of Keeping Machinery Properly Oiled.
The importance of keeping machinery properly oiled may be better realized when we try to compute, in dollars and cents, the annual sacrifice in machine efficiency through friction. Carelessness in lubrication may easily reduce the efficiency of a machine fully fifty per cent. At the same time the machine itself is wearing out faster, on account of the needless friction, than owing to the wear of the parts.

The microscope reveals the fact that the surface of the most highly polished shaft ever made is as rough and uneven as the surface of a brick appears to the unaided eye. In practice it is not possible to make a metal surface that is absolutely smooth, incompressible, or even a true circle, hence inequalities of pressure on the bearings, grinding and tearing of the metal fibres, causing friction, producing factors of inefficiency and wear and tear. Through these faults of construction cannot be avoided, we can, in a great measure, overcome the effect in machinery, by judicious application of a lubricating agent.

The lubricant consists of minute balls or globules. These readily insinuate themselves between the faces in mutual contact forming a cushion, keeping the metals apart, and are so easily carried away by the heat of heat is generated. All liquids have not sufficient sustaining powers to be used as efficient lubricants. Some cannot be retained between the metals; others do not cling together persistently enough. To resist the tendency of the metal to tear the lubricant must be of sufficient strength, and must stick together well. They must also cling well to the metal, or they will be squeezed out of the bearing.

The oils and the fats are the principal lubricants. The mineral oils are thin, and so are lard, olive, and sperm oils. Castor oil, kerosene, tallow and rape are thick. Nothing is better for high speed bearings and light spindles or shafts than sperm oil, but it is costly; for heavy bearings castor oil is superior to this, but it is also expensive.

But there is relatively little pure lubricant used in machinery, for it is usually more economical to employ a compound oil, compounded for special uses, than to use pure lubricants which, after all, are often heavily adulterated—gum, soap lime, alumina, acids, and foreign matter have their own distinct purpose to serve in the composition of cheap oils. The chief advantage, however, pertaining to the use of compound oils is that the objectionable qualities of one kind of lubricant can be neutralized by mixing it with a lubricant of another kind. For instance, vegetable and fish oils are drying oils; that is, they oxidize rapidly, and cause gumming or clogging of the bearings to which they are applied, and if allowed to drop and accumulate upon dirt, grime, waste, and timber are liable to develop an internal heat that will cause spontaneous combustion. Mineral oil does not oxidize, neither does animal, but mineral oils have what is termed a low flashing point; that is, they are or ignite at a low temperature, some at 212 degrees Fahrenheit, or under. Animal oils develop fatty acids, and these corrode and pit the surface of the metal which they are used to lubricate.—Prof. John Evans, O. College, Guelph.

Premier Lloyd George says the Germans will have to sign the treaty either at Versailles or Berlin. The allies will not give way.

OILS AND GREASES

Grade of highest grades Pennsylvania Crude. Phone 1989. PETROLEUM PRODUCT CO. LTD.

NEW G.T.R. SCHEDULE EFFECTIVE MAY 4, 1919

WEST		EAST	
Locals	Express	Locals	Express
6:30 a.m. †	7:35 a.m.*	6:30 a.m. †	7:35 a.m.*
1:25 p.m. †	4:35 p.m.*	1:25 p.m. †	4:35 p.m.*
5:22 p.m. †	8:05 p.m.*	5:22 p.m. †	8:05 p.m.*
8:35 a.m. †	10:20 a.m.*	8:35 a.m. †	10:20 a.m.*
4:00 p.m. †	6:08 p.m.*	4:00 p.m. †	6:08 p.m.*
6:37 p.m. †	7:50 p.m.*	6:37 p.m. †	7:50 p.m.*

*Daily.
†Daily except Sunday.
@Stops at Grimby only.

CARPET CLEANING
NOW IS THE TIME TO HAVE your carpet cleaned. We do your work first-class by vacuum machines. Furniture crated and stored. Upholstering in all its branches.—CARPET CLEANING CO. 18 St. Paul Street, Phone 605, W. J. Westwood, Proprietor.

CAREFUL DELIVERY
AUTO Phone 1992
G. H. MOASE
Quick Efficient Service

YOU DON'T HAVE TO CARRY YOUR SHOES
Uptown to be Repaired
Drop them in at
S. POPOLLIA'S
94 Lake Street
At the Fruit Store
d m 15

HUTTON & KOTTMEIER
REPAIRS AUTO TIRES AND TUBES.
10 ONTARIO ST. PHONE 1977
a 15

WANTED
Furniture of all kinds bought, sold or repaired. Highest price paid for all furniture. Call
236 1/2 Paul St., 11 James St. Or Phone 1952

Clothes Cleaned, Pressed and Repaired at Short Notice

45 Geneva Street

We Buy and Sell furniture, stoves, clothing, everything in house furnishings. 61 Geneva St. Phone 1707. d m 7

W. E. LONGDEN

has taken over the premises 114 Queenston Street where he will continue to serve the public with High Class Groceries.
Deliveries Every Day
Telephone No. 711

Farmers, Notice!
If you want To Sell Hogs either alive or dressed, call, write or telephone for our prices before selling elsewhere.

MOYER BROS., Ltd.
8 Frank St. Phone 197
ST. CATHARINES

CALL CHARLES JOY
For carting, also cellars & back yards cleaned up
16 Elm Street Phone 1689

New Royal Hat Cleaning Co.
Hats and Gents' Straw and Panama Hats—Cleaning, Bleaching, Dyeing and Re-blocking. Latest Styles.
61 James St., St. Catharines

LUMBER
James M. McBride & Sons
George St., Near Welland Ave
Telephone 147

GIVE THE Pure Food Bakery

A VISIT 69 GENEVA STREET and try our line of first-class goods. Absolute purity guaranteed.
Try My Special Line of Fruit Cake 30 Cents Pound
Made with pure butter and fresh eggs.

OILS AND GREASES

Made of highest grade Pennsylvania Crude
PHONE 1969
PETROLEUM PRODUCT CO. LTD.

J. C. YOUNG

TAXI SERVICE
Day and Night
131 Albert St. Phone 1136
Returned Soldier
m 5

NIAGARA SHOE REPAIRING
MODERATE PRICES
166 NIAGARA ST. e o d m 28

ONE HORSE CARTING
and delivery work.
Phone 861. - Cheapest Rates
DAY AND NIGHT
Phone 361

DON'T WASTE RAGS, PAPER
Metals, Rubbers or anything in the junk. M. Morris pays the best prices and orders promptly attended to. 53 Geneva Street, Phone 257. m 22

C. E. KLOTZ, L.S.D., DENTIST
No. 84 St. Paul Street, St. Catharines. Regulating teeth a specialty. Phone 135.

E. S. KILLMER, D.D.S., L.D.S.
Dentist Office—65 St. Paul Street, St. Catharines. Phone 16. Residence 22 Welland Avenue.

Poultry Food and Supplies
Dr. Hess' Poultry Panacea
Pratt's Poultry Regulator
Royal Purple Poultry Specific
J. K. Black Estate
3-25 James-st. Phone 239
9 C. L. L. Pool Board License No. 9-399

Glen Ridge

The Ideal Residence Area of St. Catharines

Glen Ridge is by far the most desirable residential subsection in St. Catharines now on the market, and possesses the following enormous advantages:

1. It is close to the heart of the city, all lots being within one mile radius of the Post Office and City Buildings.
2. There are building restrictions ensuring the erection of only the most desirable dwellings.
3. Beautiful surroundings and park areas.
4. Prices moderate and reasonable terms.

We expect a big movement in this property in the next two months. So act quickly and own a home in the most beautiful subdivision in the Niagara Peninsula.

For particulars apply

THE ST. CATHARINES IMPROVEMENT COR., (LIMITED)

49 Ontario Street Phone 1107

TO KISTS

tion of your battery. All batteries wear out longer if you Recharging and re- When your present is a "Prest-O-Lite" Automobile Owners in

ite

I-FLU'S

mi-Laxine
CHOCOLATED
PILLS

Thousands of Leading
VENT AND CURE
GRIPPE
LDS
ENTS

PREVENT & CURE
TIPPE
AXINE
LU
DAY
Look for this Wrapper.

COUPON
Druggist or Dealer will
U BROMI-LAXINE Cho-
2 boxes C. D. S. Kidney

W. Garner & Co., St.
J. M. N. Waugh, Port

is not keep Anti-Flu
lands of Druggists
tives:
Syndicate Ltd.,
T. TORONTO

ABLE
RTIMS

at little things that ordinar-
You feel nervous. You
petite. You lose flesh. All run

an eruption that is stubborn,
condition which does not
? Are you going down hill

S. AILMENTS
drowsiness, despondency, poor
able disposition, diminished
itation, fear of impending
endency to sleep, unsteady
npts on face, palpitation of
back, lumbrago, dyspepsia,
omnia. Dr. Ward gives you
ice in the treatment of all
The above symptoms, and
that something is wrong
need expert attention.

ION.
are numberless people who
feel nervous, weak, languid
to ambition or endurance to
fort. Life to them appears
is poor and variable; they
They have pains and aches
often indigestion, belching
spies, wakeful and restless
meals and the brain tires

NG MAN
Experimenting days long
use. No delays, no waiting
ced results. I make a fee
of \$1000 or \$2500 it means
free.

DR. HERRICK
s Leading and Most
Successful Specialist
ara Sq. Buffalo, N. Y.