Our National Railways The Big Freight Train

tages to a railway system of bandling stated, it went up to 340 tons. its freight tonnage in large train

ticle dealt with the density of traffic in the actual number of tons handled cent period.

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This article deals with the advan-; 1902 to 299 tons in 1909; and then, as

Dads. It will set out the position in great significance will be clear from ter, to aid in furishing equipment for of the Interior at Ottawa. This inthis respect in which the Canadian a study of the following table giving a career, and to train in service for creased interest is attributed partly

pectively, its freight train load was tained by increasing the train load. mittees are organized to supervise privately owned, farm lands in Janpectively, its freight train load was only 340 and 336 tons respectively. A number of railways in United States had, prior to the war, increasing the train load to a point which would not allow their position to be leen increased from only 233 tons in the work of the war, period to the work of this position during the war period. Such Association and Committees be is issued free of charge and include Lack of density prevented similar come responsible both to their com- such details as the price at which action in the case of Canadian Na. munities and to headquarters for the land may be purchased, the terms of tional Railways. The advantage to leadership of Scout troops in their sale, acreage suitable for cultivation the government-owned lines in this direction, that may be expected to acrue as a result of the thorough

> The National Railways as constit this during 1920, in 373 ton trains, the past twelve years. which was a larger average than that of the C. P. R. prior to 1913, in of its average lead to 381 tons when

The Boy Scout Movement

Boy Scouts are organizations of stated, it went up to 340 tons.

That the tons-per-train-factor is of wards, which aim to develop character the tons-per-train-factor is of wards, which aim to develop character the tons-per-train-factor is of wards, which aim to develop character the tons-per-train-factor is of wards, which aim to develop character the tons-per-train-factor is of wards, which aim to develop character the tons-per-train-factor is of wards.

show how, by merely lengthening the but 2.33% and when the C. P. R's Movement in England is due to Lt. available for civilian entry on the 1st average haul of its freight by 10½ 1.4% increase in mileage (11,601.7 to General Sir Rogert Baden-Powell, Bt., of May.

13.388.5 miles) is considered, the ton- who during the siege of Mafeking in Besides Crown lands that may be

this would represent only one large cost less than one dollar per train been given consideration as an edu-available for purchase at reasonable freight train each way per day. It mile to have run these additional cational adjunct by well-known educa-prices. can be understood readily, however, that for purposes of service to the public this tonnage would have to be net to the Canadian Pacific of an while some of the universities and crown lands in the Western provinging the contract of the Interior in the Company of the Interior in the I programme in part or as a whole, nection with the settlement of vacant split into two, or even three, trains amount nearly equal to that Com- leading technical schools conduct speces the Department of the Interior, in

consolidation of the National System ed into patrols of eight boys, two or negotiate with owners of land in any leem up, therefore as substantial in three or four patrols to a troop under district in which he is particularly a Scoutmaster. Scouting is now re-interested. cognized as the most natural and at tons per mile of line. The Manage- and many thousands more have had ment succeeded however, in handling the benefits of Scout training during

it enjoyed a freight traffic density of many ways a record year, and one 989,000 tons per mile of line. This proves, then, that the train load , a nost essential factor in efficient cothis direction.

When it is possible to long ben the average haul and at the same time nercuse the train load, a most favourthle set of operating conditions is es tablished and without doubt the retively good showing of the Car dian the opportunity to do this which pre serted itself to the Management of at System, which, prior to the war ad good density of freight traffic and relatively light train load compar-! with lines of similar density. Summarizing, then, the prospects

for improving the consolidated Nat ional System's freight traffic situation are bright as the Government owned lines, although having but ich more mileage than their privately competitor, originate twice as much traffic in tons and to raise the density it is only necessary to increase the overage distance haul. As the freight density increases the opnortunity to increase the train load becomes greater and this, of all factors, is the one most certain to bring about a substantial reduction inothe relative cost of moving freight traffic.

As to character of traffic, those classes of freights in which the prosent National System is deficient, will be made up by consolidation with the Grand Trunk which serves the manufacturing sections, and more fully developed industrial districts not previously reached by the National Lines; and the Grand Trunk also provides the United States connections which are essential from a competitive point of view.

As regards passenger service, the Canadian National Railways are now at a great disadvantage compared with the C. P. R. and even when the Grand Trunk Lines are consolidated with those of the Canadian National Railways, the consolidated System will start quite a bit behind, but the prospects for improving the situation are good, as will be pointed out in another article

Information Re. Land Statement

An increased demand by the public boys and youths between the ages of for information regarding land settle-National Railways stand and indicate the prospects of future improvement. It will be recalled that the last aron the C. N. R. and endeavored to in 1920 as compared with 1913 was The development of the Boy Scout reserved for returned men, became

any increase in tonnage at all, the C. nage per miles of line on that system 1899 had seen the boys, under Lord available, it is estimated that there N. R's traffic density would be increas actually decreased. The ton miles Edward Cecil's command, organized are about 200,000 quarter-sections of ed to a point where the government. per mile of line increased by 7.8% and drilled into an efficient messencwned system would be within meas. whereas the actual ton miles (when ger service. When Baden-Powell rethe Prairie provinces, most of them worked out, increased by 23.25%. turned to England in 1902, the idea within easy reach of railway. The train load increased by 38.8% was fostered and received popular same condition applies, though in a per mile of line on the Canadian Nathern was an increase in earnings per licetor was formed in 1902. per mile of line on the Canadian National in Canada (20.089.67 miles) as there was an increase in earnings per train mile of 84% and a great saving a little more than a million tons per mile of line in Canada.

There was an increase in earnings per train mile of 84% and a great saving in expense in the operation of train miles. To illustrate this point clearly miles. To illustrate this point clearly miles as a "non-military, cularly in the Prairie provinces, much miles. To mustrate this point clearly in grecognized as a public service body."

It is difficult for a line of light traffic in files of 1920 had been handled by the C. P. R. in their average train of the C. P. R. in their average train of the constant o the C. P. R. in their average train of large loads. An annual tonnage density of 730,000 tons is only 2000 tons per day. Under favorable conditions been required. It could not have been required. It could not have and Jews alike. Of late it has also ownership must be unoccupied and large portion of the area in private and Jews alike. Of late it has also ownership must be unoccupied and large portion of the area in private and Jews alike. Of late it has also

751.000 and 759.000 ton miles respectively, its freight train load was lained by inversely makes the provincial officials. The Scouts themselves are organiz- sion the intending purchaser man

In their endeavor to find a suitable



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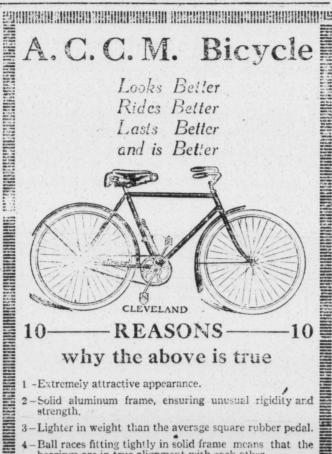
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the National Railways as consist uted at present, not including the lines of the G. T. R. in the east, have lines of the G. T. R. in the east, have sanization for boys. Nearly 30,000 nurchasers will find of marked value ment of the Interior through its National Railways as consist once the most successful type of or-location prospective homesteaders or the dual srevice which the Depart tural Resources Intelligence Branch nurchasers will find of marked value ment of the Interior through its National Railways as consist.



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