COAL STORAGE IN CANADA.

A boat trip up or down the St. Lawrence River will show large accumulations of soft coal at every point which the Canadian railroads can use to advantage for storage purposes. Considered all together, this accumulation was remarked by parties with whom we talked to be unprecedented. Brockville, Ont., one of the few harbors where both the Grand Trunk and the Canadian Pacific have facilities, was noticed to be especially alive with activity. This is not only a strategic point for the Grand Trunk, but it is also a direct source of supply for the Brockville-Ottawa line of the Canadian Pacific, with numerous connections above with the latter system. When the present season closes it will have been a remarkably prosperous one for the coal handlers along this important waterway, as they have lost very little time and their pay ranges from 30 cents per hour for regular day labor to 50 cents per hour for Sunday work. Of the latter there has been considerable this summer to accomplish the prompt unloading and quick return of vessels for other cargoes. One shoveller at Brockville told us that he had several times worked from 30 to 34 hours without rest or sleep, and that twelve men in the Canadian Pacific road plant at that place had handled as much as 715 tons of coal per day, the respectable average of 59 7-12 tons apiece. Up to this time most of the coal along the St. Lawrence is handled in old-fashioned ways, but there are signs of a new interest in coal handling and storage facilities. Ogdensburg, N.Y. has long had modern plants on a large scale, and there are a few labor-saving devices on the Canadian side. At Alexandria Bay, N.Y., a start has been made in the way of quick fueling of pleasure yachts on the pocket principle, while a number of projects are being considered by the progressive retailers on both sides of the river. Farther up in Canada, also, the same leaven is working, and it seems likely that five or ten years more will witness a revolution in coal-handling methods throughout this section.

THE COLEMAN, N.W.T., COAL FIELDS. A correspondent of the Nelson, B.C.,

Daily News, writing of the International

Coal & Coke Co. at Coleman, N.W. T., says: Up here near the portal of the Crow's Nest Pass, nature with a lavish hand deposited bituminous coal measures, which for thickness and quality are not rivalled elsewhere. The development of this potential wealth, so essential to the economic in fixed carbon, and makes a firm coke of the Crow's Nest district. It has a handling progress of a young nation like the Dominion, dates back only yesterday. Coleman, where the Dennison colliery of the International Coal & Coke Co. is located, had no existence a year ago; to-day it is pulsating with life, and gives promise of soon becoming an important factor in the coal industry of the entire district. The transformation has been simply short of marvelous. The coal company is rapidly from the pit mouth of the main entry and trie motor. Falling by gravity it is autocompleting the installation of a plant with airway, a crossout tunnel has been driven matically screened and delivered in bins in a capacity to handle an output of 2,000 tons of bituminous coal daily. Since last tersecting No. 3 seam 150 feet distant, and ment by rail. The slack coal previously October no less than 30,000 tons of coal encountering No. 4 seam 80 feet farther separated, is delivered into other bins, have been extracted in the course of de- east. The development of No. 3 seam has whence it falls into the larries (cars) which before the most essential equipment shall airway have been driven south from the it into the coke ovens a short distance away.

production will reach 1,000 tons daily by bottom and in the matter of dip presents January 1 next, and 2,000 tons per day, the same uniform characteristics of No. 2 the limit of the plant, by May or June next. seam. The entries on the coal have already Thus far the entire output has been sold in opened up a large area of ground. The advance. To accommodate the growing mine is being developed on the stall and traffic, the Canadian Pacific Railway have pillar system, with barrier pillars. Later already built two and three-quarter miles on the crossent tunnel from No. 2 to No. 4 of track and sidings on the coal company's seams will be extended farther east to intion. It is producing a superior quality of Columbia smelting centres, where it is utilized in the reduction of metalliferous ores.

This, in outline is the story of the result accomplished at Coleman in less than 12 months. The company employs about 300 men, including mechanics engaged in construction work. A noteworthy feature is the fact that the coal extracted in the course all costs of development of the mine.

The bituminous coal lands of the company extend about seven miles north and south on the strike of the coal measures, and have these lands is south of the railway. So ad- penditure incurred in the erection of survantageously are they situated that the face works, including the power house and main line of the Crow's Nest branch of the tipple, all of which are in an advanced stage Canadian Pacific Railway passes within 200 of completion. These works are situated yards of the main entry of the mine. The north of the Old Man River and alongside seams, seven in number, run parallel, north the railway. The power house, 82x89 feet, and south, and are embraced in an area of is a fireproof stone structure. It contains easily be traced at intervals on the surface nished by the Eric City Iron Works, Eric for two miles north and five miles south of Pa. The engines, two in number, are each the track all within the limits of the property of 400 h.p. capacity. They were built by the track, all within the limits of the property of 400 h.p. capacity. They were built by of the company. The seams have a westerly the Phoenix Iron Co., Meadsville, Pa. The dip of about 45 degrees, and are regular and engines are directly connected with two 250 consistent, and in good condition wherever kilowatt electric generators (equal to 335 tested. With one exception they are all h.p. each) supplied by the Westinghouse east of and under that now known as No. Electric Co., Pittsburg, Pa. These generadevelopment has been done. No. 1, the the various motors to operate the fan, most westerly seam, is about five feet in tipple, larries, machine shop and for lightthickness; No. 2 is 14 feet; No. 3 which is ing the town of Coleman. Other machinery opened two miles away to the southward, equipment comprises a Canadian Rand is 17 feet; No. 4 is eight feet, and No. 5 about | Drill compressor of 1,000 pounds pressure seven feet. A Pittsburg consulting coal for the purpose of furnishing air for the car mining engineer last year estimated the coal hanlage throughout the mines. The machine in sight above the level of the Old Man compresses air at the rate of 750 cubic feet River at 64,000,000 tons. The coal taken per minute, out in development is excellent for steaming purposes, being absolutely free from im- way track, and 200 yards distant from the purities. It runs from 60 to 65 per cent, colliery, is the largest affair of its kind in exceptional quality.

Development work is now being concentrated on No. 2 and No. 4 seams. The main built by the Jenekes Machine Co., Sherentry and airway driven on No. 2 scam are brooke, Que., will hoist the cars from the now in about 2,200 feet. This scam is very yard in a self-dumping rage of 80 feet to uniform throughout, averaging 14 feet in the top of the tipple. The coal, after pasthickness. Coal has been extracted from sing over a number of screens, falls upon this working daily since the commencement two picking tables with a expecity of non of operations. At a point 1,000 feet distant tons per hour, and driven by a 25 h p elecat the 45 degree angle through the rock, in- the lower floor of the tipple, ready for shipvelopment work. A fortnight hence, even not yet been undertaken. An entry and in turn convey it and automatically dump have been installed, the colliery will be crossent tunnel along No. 4 seam for a dis- The tipple has a capacity of 2,000 tons every maintaining an output of 500 tons daily, tance of about 500 feet. This seam is eight ten hours. If worked full time it will be

It is conservatively estimated that the feet in thickness, possesses a good roof and property at Coleman. A double battery of tersect three other seams. The face, 2,000 to4 ovens, capable of producing 140 tons of feet from the portal of No. 2 seam, owing coke daily, were completed recently, and to the gradual rise of the mountain, gives provision has been made for the erection of a depth of 400 feet on the pitch of the seam. 300 additional ovens at an early date. A Lifts will be made every 300 feet. This will portion of the coking plant is now in opera- provide rooms 300 feet in length, thus affording a rapid and economical method of decoke, which finds a ready market in British velopment and extraction, combined with the utmost safety. Every device known to modern coal mining is being utilized. The main system of car hanlage will be compressed air. The workings will be ventilated by a Capell reversible fan, 16 feet in diameter, driven by a two speed 150 h.p. motor, and will furnish 150,000 cubic feet of air per minute. This fan is now being of development has thus far actually paid installed on No. 2 seam at the surface, and will be in operation shortly, enabling the mine forthwith to maintain an output of 500 tons of coal per day.

The broad and comprehensive policy of a width of one mile. The greater length of the company is evidenced by the large exless than 700 feet wide. The croppings can six boriers, each of 125 h.p. capacity, fur-2, and on which for the present most of the tors will furnish the electrical current for

The tipple, situated alongside the railand storage capacity of 4,000 tons of coal daily. A steam hoist of too h.p. capacity,

When writing to Advertisers kindly mention The Canadian Manufacturers.