tively, when once mined, is required to prepare it for market. Low grade ore is produced in Chill, United States, Spain and Prussia, also some No. 1. but none equal to Tenny Cape. Anyone knows that the freight and cost of handling No. 1 and low grade ore is the same. Tonny Cape is nearer Boston and New York, the principal marke s on this continent, than any other mines. The manganese is shipped in kerosene casks, admirably adapted for the purpose. A kerosene c sk holds from eleven hundred to fourteen hundred pounds. The manganese is handled altogether by water to New York, in pleater vessels, to England in versels carrying deals. With this advantage the freight is very low. As we showed lust week, a profit of over fifty per cent was made on the ore handled from Tenny Cape last year. Manganese is one of the iron group of metals. It generally occurs as an oxide. The Egyptians and Romans used manganese in glass making, but the first impetus given to its use was when the method of making chlorine from it was discovered in 1785 Sti'l a much larger demand was made for manganese when Heath discovered its value in steel in king in 1859, and again when Bessemer in 1858 made his wonderful invention of steel manufacture. At the present time manganes; is used in a great many of the arts and minufactures. Manganese-bronze, an alloy with copper, is used in making propellers, guns, bearings, etc Manganese is also alloyed with silver, aluminum, zinc. tin. lead, mag edum, etc., and used in the arts. When used as an exidizer, it is in the manufacture of cal rine, bromine, as a dryer in varnishes and paints, the preparation of oxygen and disinfectants and telephone batt-ries Mang-ue-e is also used to color glass, pottery, brick and paints, and in calic printing and dyoing. Hitherto the product of the Tenny Cape mine has been sold to middlemen in Boston and New York but it is the in ontion of this company to crack, granulate and powder their ores to suit the varied uses and demands of manufacturers, electricians and chemists, and in this way secure the very highest prices obtainable for their product, which prices are from 4 cents to 8 cents per pound. Tenny Cape in the past has been worked in a very old fashioned way, the owners, not mining men being content with the profits made. With improved methods the output can be doubled, and the present owners say that the dem nd for Tenny Cape ore is practically unlimited. - New Glasgow Enterprise

If old people are forgetful, they always remember to use Johnson's Anolyne Lin:ment,

DEEP DOWN IN A COAL MINE .- An Account of a Trip in Drummond Coal Mine-Our little party each provided with a safety lamp whose faint light is unnoticed in the dazzing sunlight, soon gather round the pit's mouth. I feel more cheerful when, instead of the deep dark perpandicular hole down which we had expected to be lowered, I see a slope of about 35° in which lies the "rake," consisting of a number of long narrow cars with rough bo rd s ats. After one long glance at the earth around and the sky above, coriosity conquers my ha f feit form, and, as I valuably seet myself by the others. I think of a toboggan slide to which the resemb'ance increases when we stirt rapid y down into the bowels of the earth lighted only by our tiny lamps. A few moments and the cry "bend down" is heard, the solid earth seems about to fall on our devoted heads, so nevr it is as we speed on our path downwa dand onward. After about five minutes rapid movement during which we wonder what would happen if the cable should break, we slacken our pace as the bottom of the sope is neared and soon stop altogether. Leaving the car and glancing eagerly around at the strange scene bafore us, we seem trensported to the abode of gnomes and genii. All is so different from . . wor d we have always known where every higg is so instinct with right and life and beauty, while here below these gloomy caveras seem filled with the b'ackness of darkness. As we follow our conductor beneath the gloomy arches of solid coal supported here and there by wooden columns, splashing through black slimy pools that seem more like ink than water, we some imes have to crowd close to the wall to allow a horse, dragging a loaded car and urged forward by a boy, to pass us. The clank, c'ank of the hoofs and the cries of the driver echo with a artling effect throughout the dark, passages and with nerves at highest tension we press on. in the dark from cuttings up in the sides, we see little points of light that twinkle like stars and can hear the crash of falling coal and the shouts of men at work in the distance. At each sound my heart stands still with dread and I think of the men buried by the explosion of '73 in this very pit whose bidies have never yet been recovered. Some killd by the first explosion while others, brave men who went to the rescue, lost their lives in a second. I remember vaguely that terrible day—the dark cloud of smoke hanging over the town an i visible even from our country home, the wild excitement of all, and at night my father smoothing his little daughter's hair as he to'd her of the children whose fathers would never return, and am only roused when my tears begin to fall even as then. We still fo low on through draperies of coarse canvas (brattices our guide cal a them) arranged for ventilation. We pass sometimes through a door opened by a little trapper boy whose merry call pursues us as we go onward to the drum. A balance power so arranged that as the full box comes down the empty one goes up and to the pumping engine without which the lower levels would be flooded. We then retrace our steps visiting on our way the stables where we are delighted to see sleek well fed animals, instead of the faded hacks we expected. Still returning we seen arrive at the level where is our rake, and taking our seats we a crapid y conveyed upwards, where we thank God as never before for light and pure air. In the full clear day all that I saw below seems as distant and unsubstantial as a dream. I only know it is real when I look on the ittle piece of coal dug by myself 3700ft. below the earth's surface and kept as a souvenir of the day when I was down in a coal mice.—Nan, in New Glosgow Enterprise.

THE ENERGY STORED IN COAL-A curious and interesting calculation

has been made by Prof. Rogers, of Washington, D. C., on the "dynamic" power of coal. According to his deductions a pound of good steam coal has within it dynamic power equivalent to the work of one man for a period of ten hours. Three tens of similar coal represent a man's labor for a period of several years. One square mile of a seam of coal having a depth of only four feet represents power equal to that expended by one million men ten hours each day for twenty years! Such calculations as those made by Mr. Rogers may serve to remind us how very wasteful our methods of burning fuels must be, in spite of all that has been done in the fuel saving line by the involtors and economists.

Chilbiains, chapped hands, frost bites are cured by bathing in Johnson's Anodyne Liniment.

Minico Examination.—The candidates for mining certificates are loud in their complaints at the unfair 'survey' set by the examiners. Three years aga a similar 'survey' was set, and it was admitted by the examiners themselves that it was so unfair and beyond what was required that it was pitched out and at the same time a promise was given that a like question would not be given until they got the appointment of a man to teach the first needle surveying. Now that this promise has not been kept, it is a gross injustice on the candidates, who all feel strongly on the subject.—Enterprise.

Hood's l'ills are purely vegetable.

New Pr. CESS FOR THE REDUCTION OF GOLD-BEARING ORES — Nova Scotia is essentially a gold bearing and producing country. It will be of special importance to mining interests to say that there is at the present time on exhibition at Windsor a mill constructed by one of our countrymen on an entirely new principle. The mill, while it produces special alvantages, is in a great measure a departure from all of the old and recognized methods for the extraction of gold, particularly from rebellious ores. The company is incorporated, and the mill and process are now in full operation. The percentage of gold obtained by this method has proved to be something marvel out, and fir in excess and more valuable than any other process yet devised. The representatives of this "Dominion Reduction" company are, at present, visiting Wind or, having recently arrived by a special conveyance, and their names are as follows:—F. Rockwood Hall, president; Dr. Chas. S. Hardy, vice-president; Henry C. Sherman, trea-urar; Orion A. Marse, secretary; Capt. Hauson Gregory, Jr., and A. T. Vanhorn, executive committee. Mr. Vanhorn is residing agent.—Chronic'e.

ALLUVIAL MINING.—Captain J. A. Watt has just returned from eastern parts of Nova Scotia where he had been selling mining stock of the Middle River (C. B.) Alluvial Gold Mining Company, limited. The captain has been very successful in getting stock taken, and states that he has about sold out the full amount of the shares. He is now engaged in getting a pumping engine and other plant for operations at the mines in the spring. Captain Watt is the first to undertake this important branch of mining, which will no doubt tend to the prosperity of the alluvial deposits, which are supposed to be plentiful.—Chronicle.



SEETON & MITCHELL, Halifax, N. S. Wholesale Acenta for Nova Scotia & P. E. I.



HALIFAX STOCK EXCHANGE

These quotations are furnished by J. C. Mackintosh, Binker and Broker, 166 Hollis St., Halifax, N. S. Dec. 21.

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•	Spr	July .	Seli
Blank of Nova Scotia		:66	171
Bank of B N America	43-33	145	130
	100	137	343
Union Bank,	50	127	125
l'enple's Hank,	30	114	117
Halifax Hank,	30	114	237
Rank of Yarmouth	75	322 X	•••
Exchange Bank of Yarmouth.	70	100 %	•••
Com. Bank of Windsor	40	107	110
Halifax Fire Imurance Co	20	152	131
-	100	130	135
	100	•••	30
	100	99	50 100
	200	100	701
(so t pd. up.)			
N. S. Telephone Co	10	100	202
Halifax Gas Light Co	40	90	y\$
Dam. Coal Co., Bands	200	•••	93
	100	• • •	94
" " Com. Stock	100	25	31
***************************************	100	50	95
COMMON.	100	•••	75
	100	•.	100
" " COMMOE.	100	•	100
Halifax & Nfd. S. S. Co Canada & Nfd. S S. Co	170	50	75
Yarmouth S. S. Co	100	•••	99
Coastal Steam Packet Co	100	•••	75
Hx. & lunenb'g Steams'p Co.	300	•••	90
Acadia Sugar Refinery Bonds.	100		98
(350	•••	,-
Dom. Cotton Co., Bonds	500	100	2013
: {:	000		,.
Dom. Cotton Co., Stock Bras d'Or Lime Co., Rends	100	116	110
Bras d'Or Lime Co., Pends	250		100
Starr Manufacturing Co	100	>0	30
Khoses, Cerry & Co., Lic	50		100
St. of Canso Marine Ry. Co	30	30	20
N. S. Furnishing Co , Ltd	300		100
McDeugall Distillery Co	100	***	99
Dartmouth Electric Light Co.	200	•••	99
· Dalman Durch Print Co.	•••	•••	99