

MINING.

The report on the Mines of Nova Scotia for 1888, by Edward Gilpin, jr., A. M., F. G. S., etc., Inspector of Mines, is replete with matters of the greatest interest to mining men. In gold and coal the past year has been a profitable one, and an increase in the output of both minerals is to be noted. In coal there was an increase of over 105,290 tons mined in 1888 over 1887, and in gold 1196 ounces more were mined in 1888 than in the previous year. The following summary taken from the report shows the total mineral production compared with the previous year:

	1887.	1888.
Gold.....Ounces.....	21,211	22,407
Iron Ore.....Tons.....	43,532	41,611
Manganese Ore.....".....	691	88
*Coal raised.....".....	1,670,838	1,776,128
*Coke made.....".....	28,748	29,808
†Gypsum.....".....	116,346	125,800
Barytes.....".....	400	1,100
†Grindstones, &c.....".....	32,669†	17,225
†Moulding Sand.....".....	160	169
†Antimony Ore.....".....	400	308
Limestone.....".....	31,471	15,448
*Ton of 2,240 lbs.		
†Amount Exported.		
‡Value in Dollars.		

We also quote from the report the following remarks on the coal trade: "The total sales for the year 1888 amounted to 1,575,692 tons against 1,519,684 tons in 1887. As compared with the sales of the year 1887 the most noticeable points are:—The home sales were 509,905 as compared with 469,464 tons in 1887. The Province of Quebec took 678,321 tons against 650,858 tons in 1887, and 538,762 tons in 1886. The sales to New Brunswick were 214,630 tons against 186,511 tons in 1887. The sales to Newfoundland and Prince Edward Island show no change of importance. The sales to the United States were 30,198 tons as compared with 73,892 during the year 1887. Of the amount sent to the United States last year 27,330 tons were slack, 183 tons were run of mine, and only 2,685 were round coal."

GOLD.—The Dufferin mine leads the list as the largest gold producer, the total amount for the year being 3,354½ ozs. from 9,925 tons crushed, an average of 6 dwts. 18 grs. per ton. In the Whiteburn district the "McGuire" mine stands second with a total yield of 2,799½ ozs. from 1292 tons crushed, or the largest average yield for the year, being 2 ozs. 3 dwts. 8 gr. per ton. The Oxford mine stands third on the list with 2284½ ozs. from 1611 tons crushed, or an average of 1 oz. 8 dwts. 2 grs. per ton of quartz crushed for the year.

To quote again from the report "the total gold returns show that 36,178 tons of quartz yielded 22,407 ounces of gold for 163,772 days' labor, compared with 21,211 ounces gold from 22,280 tons of quartz for 173,418 days' labor in 1887. In my last report a very dry season was given as a reason for the gold yield not being larger. This year, if the result is to be sought for in natural causes, the blame is to be laid on the wetness of the summer of 1888.

There were five districts yielding between 2,000 and 3,500 ounces, viz:—Salmon River, Caribou, Lake Catcha, Whiteburn, and Stormont. The average yield for all the quartz crushed was 15 dwts. 21 grains. Taking 10 dwts. as the dividing line between high and low grade ores, it appears that 25,165 tons yielded 9,011 ounces or an average of 7.1 dwts. Of the remaining districts, the highest average was 2 oz. 3 dwt. 8 grs. from the Whiteburn district. I am informed that a profit can be made from the lowest returned average of the year's work, viz., about 4 dwts. The returns of the Salmon River mine for the past year show that an average of 6 to 7 dwts. even on a medium scale of operations can yield good returns."

In future issues we shall continue to quote from the report.

NORTH BROOKFIELD.—Mr. T. N. Baker is now at North Brookfield, where he has charge of the Philadelphia Gold Mining Company's Mill. This company are the owners of three mining properties and are about buying a fourth—the Owen property at Millisigato Lake, Lunenburg Co. Mr. Baker, whose judgment in such matters is most reliable, considers North Brookfield one of the best gold districts in Queens County. The Philadelphia Company with whom he is employed as an amalgamator have been operating some four months. Up to March 8th about 800 tons quartz yielding \$21,000 had been crushed. The last month's output was 303 ozs. gold from 200 tons quartz milled. The mine will soon be properly equipped with hoisting gear and pumps, when at least 300 tons of quartz per month will be raised, keeping the 10 stamp mill on the hop to crush it. The main vein is 2 ft thick.

John Tolliver has been sentenced to a year in the County Jail for stealing gold.

ORIGIN AND MODE OF OCCURRENCE OF GOLD-BEARING VEINS AND OF THE ASSOCIATED MINERALS.

By JONATHAN C. B. P. SEAVER, C. E., F. G. S. &c.

(Concluded)

Mr. Skey has stated that he obtained the same results as Mr. Wilkinson, even when no organic matter was present in the solution, and ascribed the action to the formation of a voltaic pair between the pyrites and gold. Both these gentlemen have applied their observations to account for nuggets in the alluvial deposits, but the information given appears to me of much greater value in accounting for the occurrence of gold in veins situated in the internal laboratory of the earth.

110 Books for \$1.50

Our whole list of Books now reaches 110, divided into 8 sections. Four of these sections are published this week. For the others see the preceding and following issues of THE CRITIC. We can furnish the whole 110 books (8 sections) with one year's subscription to THE CRITIC (either new subscribers or renewals, paying strictly in advance,) for \$3 00; and to all new subscribers, (paying one year in advance,) and all old subscribers, paying their account to date and a full year in advance, we will send free any section. (Or we will send any section (13 books) for 35 cents, 3 sections for \$1 00, and the whole 8 sections (110 books) for \$2 50. Order by section number.

Address all orders to

A. MILNE FRASER,
MANAGER CRITIC,
Halifax, N. S.

SECTION 5.

59 Julia and Her Romeo.

By David Christie Murray. This author is always ingenious and racy. In "Julia and Her Romeo" he is particularly charming. The reader is held to the last in a spell which makes him regret the end of the story.

60 The Lady of Lyons.

By Sir E. Bulwer Lytton. This is the lady as seen in the celebrated play of the same name. It ranks as the prettiest picture of devotion and sincerest expression of the "tender passion" ever placed on the stage.

61 The Cricket on the Hearth.

By Charles Dickens. One of the sweetest and tenderest things ever written by Dickens. All love it for its beauty and pathos, and it will be preserved and read long after some of his more imaginative works have been forgotten.

62 Stabbed in the Dark.

By E. Lynn Linton. A strong, stirring story of the old Neapolitan days, by an author who invents ingenious plots and handles intricate situations like a master. Part I.

63 Stabbed in the Dark. Part II.

By Sir E. Bulwer Lytton. One of the best of the great author's historic stories. Full of graphic situations, quick action, and rare information.

64 Calderon the Courier.

By Sir E. Bulwer Lytton. This unique and popular story is a new departure in the field of fiction. Its production has carried the author into fame as a writer and artist. The vigor and variety of the book make it especially charming; its narrative imparts a pleasant thrill as it glides through wonderful scenes and startling events. Part I.

65 She; or Adventures in the Caves of Kor.

By H. Rider Haggard. This unique and popular story is a new departure in the field of fiction. Its production has carried the author into fame as a writer and artist. The vigor and variety of the book make it especially charming; its narrative imparts a pleasant thrill as it glides through wonderful scenes and startling events. Part I.

66 She; or Adventures, etc. Part II.

By H. Rider Haggard. This unique and popular story is a new departure in the field of fiction. Its production has carried the author into fame as a writer and artist. The vigor and variety of the book make it especially charming; its narrative imparts a pleasant thrill as it glides through wonderful scenes and startling events. Part I.

67 She; or Adventures, etc. Part III.

By H. Rider Haggard. This unique and popular story is a new departure in the field of fiction. Its production has carried the author into fame as a writer and artist. The vigor and variety of the book make it especially charming; its narrative imparts a pleasant thrill as it glides through wonderful scenes and startling events. Part I.

68 She; or Adventures, etc. Part IV.

By H. Rider Haggard. This unique and popular story is a new departure in the field of fiction. Its production has carried the author into fame as a writer and artist. The vigor and variety of the book make it especially charming; its narrative imparts a pleasant thrill as it glides through wonderful scenes and startling events. Part I.

69 Bulldog and Butterfly.

By David Christie Murray. A specially told story of human character, yet not a bit overdrawn. Bulldogs and Butterflies are all around us.

70 The Coming Race, or New Utopia.

By Sir E. Bulwer Lytton. A thrilling history of life among an ideal people found in the centre of the earth, where the beauties are Arcadian, the form perfect, the thought pure and motive free. A charming book light, cheerful. Part I.

71 The Coming Race, Part II.

By Sir E. Bulwer Lytton. A thrilling history of life among an ideal people found in the centre of the earth, where the beauties are Arcadian, the form perfect, the thought pure and motive free. A charming book light, cheerful. Part I.

72 Duty Unto Death, or Life and Work of Rev. George C. Haddock.

Apostle of Prohibition in the Northwest. By his brother, John A. Haddock. The murder of this great temperance man sent a thrill of horror through the Northwest and entire country. The work is an ably written review of the man and his career, and contains a graphic account of his assassination. Part I.

73 Duty Unto Death, etc. Part II.

By his brother, John A. Haddock. The murder of this great temperance man sent a thrill of horror through the Northwest and entire country. The work is an ably written review of the man and his career, and contains a graphic account of his assassination. Part I.

74 The Trial of Pickwick.

By Charles Dickens. This is the first time the entire story of the gallant Pickwick's adventures with the impressionable Mrs. Bardell has appeared in connected form. It abounds in mirth-provoking incidents, whose interest is always heightened by the wise comicisms of the immortal Sam Weller.

75 Allan Quatermain; the latest and best novel from the pen of the popular H. Rider Haggard.

In this story of African adventure, the author surpasses the glowing descriptive vigor, startling situations and thrilling activity which made "She" such a revelation in fiction. Part I.

76 Allan Quatermain, Part II.

In this story of African adventure, the author surpasses the glowing descriptive vigor, startling situations and thrilling activity which made "She" such a revelation in fiction. Part I.

77 Allan Quatermain, Part III.

In this story of African adventure, the author surpasses the glowing descriptive vigor, startling situations and thrilling activity which made "She" such a revelation in fiction. Part I.

78 Allan Quatermain, Part IV.

In this story of African adventure, the author surpasses the glowing descriptive vigor, startling situations and thrilling activity which made "She" such a revelation in fiction. Part I.

79 The Knightsbridge Mystery.

By Charles Reade. Concealment is the artist's game, till after wending through a forest of mysteries, the fearful close bursts on the reader like an Alpine avalanche or ocean water-spout.

80 Dr. Marigold.

By Charles Dickens. One of Dickens' crispest and most amusing sketches of a quaint and curious character. Readable, laughable, and a sure antidote to dull care.

81 John Milton; When, Why and What He Wrote.

By H. A. Taine. This great work is full of surprises, and one can get a better idea of Milton, his times, style and works from its pages, than from any other source.

82 The Haunted House.

By Sir E. Bulwer Lytton. One of the great author's quaintest conceits and most happily told stories.

83 Clouds and Sunshine.

By Charles Reade. A happily told story of farm life, full of pretty rural pictures and pastoral sentiments.

84 Loys, Lord Berresford;

by the "Duchess." This charming society story is one of the best from the pen of the popular author. It is spirited in action, and full of situations calculated to illustrate high life. The work of a genius.

SECTION 7.

85 Jack of all Trades.

By Charles Reade. Full of comical situations, funny incidents of travel, and thrilling adventures as keeper of a colossal elephant.

86 Sweet is True Love.

By the "Duchess." A touching story of disappointment, extrangement and reconciliation. One of the author's best.

87 The Haunted Man.

By Charles Dickens. The action is rapid, pathos touching and one reads with laughter, joy and tears. The moral is sublime.

88 On Her Wedding Morn.

By Bertha M. Clay. A very strong and charming character-story, abounding in striking situations and still ring narrative.

89 That Last Rehearsal.

By the "Duchess." A racy and catching story, full of exquisite surprises and finely turned points. Other stories.

90 Eric Dering and Other Stories.

By the "Duchess." This popular writer is always sprightly and keen, and makes the most of incident and description.

91 Worth or Wealth.

An exquisite story of human character which holds the reader to the end. Thoroughly enjoyable.

92 The Price of a Life.

The hero is a Nihilist, the heroine an unsuspecting lady who escapes with her life in a marvelous way. A tale of mysteries.

93 She Fell in Love with her Husband.

Full of passion and plot. Replete with heroism, tenderness, temptations and triumphs of right.

94 Sandra's Oath.

A spirited story showing the devotion of woman under the ban of a heavy oath, and amid trying home surroundings.

95 My Ward's Peril.

A story whose mystery and thrill are ingeniously maintained till the plot is unveiled by the exposure of deceit and triumph of justice.

96 Redeeming a Birthright.

A model story in which a true heart proves the best judge, and the affections render the most satisfactory verdict.

97 Only by Sight and Miss BROWN.

Two sprightly, wholesome stories that leave everybody brighter and better for the reading.

SECTION 8.

98 The Runaway Bride.

By Ethel Morton. A touching story, pointing an excellent moral. Useful departments for ladies. A model home volume.

99 Love the Pilgrim.

A rare story for general readers, which charms by its vivacity.

100 A Strange Client.

A story which delights young folks; also special departments.

101 My Beautiful Cousin.

By G. T. Mayer. A crisp, sparkling story of the affections—full of pathos and striking situations.

102 An Offer too Late.

A sweet and touching story for mothers and daughters, also departments for home work and entertainment.

103 John Ploughman's Pictures.

By C. H. Spurgeon, with original illustrations. No Divine since Whitefield, has ever talked so popularly or struck a deeper chord in the bosom of the million. Complete in Nos. 103 and 105.

104 What Tom Thought.

By Jane May. Also many serious and comic sketches and useful juvenile departments.

105 John Ploughman's Pictures.

By C. H. Spurgeon, with all the original illustrations. His celebrated talks are the most popular reading in the language. Complete in Nos. 103 and 105.

106 Readings and Recitations.

being something new in the shape of a Complete Programme, specially arranged for school parlors, and lyceum entertainments.

107 What Sybil's Second Cousin Did.

A captivating story, followed by special departments for wives and daughters.

108 Alcombe's Chance.

By Frederick Boyle. A story whose plot is mysterious and narrative thrilling.

109 Tom Yorke's Legacy.

By Edward Garrett. A fascinating tale of the vicissitudes of life.

110 Mary Holt's Engagement.

A striking character story. A volume full of pleasing variety and suited to every taste.