

tention to the departments which we run in conjunction with our Liverpool office through whom we purchase our European supplies.

B. C. AND THE LONDON MARKET.

OUR special correspondent writes that the market has been very dull during the month, the only feature being the fall in Le Rois, which declined to $\frac{1}{2}$ ¢, but since recovered somewhat. Ymirs have also suffered badly, having an offer at well under par. Hall Mining and Smelting is quoted at rubbish prices.

INSTITUTE MEETINGS.

A MEETING of the Canadian Mining Institute will be held in Nelson, B. C., on September the 10th, next, for the purpose of organizing a working section or branch of the Institute in British Columbia.

We are requested to announce that the annual meeting of the Southwest Miners' Association will take place at Los Angeles, California, on July the 8th.

COAL EXPORTATIONS AND TRADE.

COAL shipments from the Vancouver Island collieries during April were divided as follows:

	Tons.
New Vancouver Coal Co.	35,826
Comox	16,694
Ladysmith	16,978
Total	69,498

In May the shipments were:

New Vancouver Coal Co.	28,557
Comox	11,308
Ladysmith	30,705
Total	70,570

Mr. J. W. Harrison, coal and metal broker, of San Francisco, in his latest circular thus comments on conditions in this market:

"The coal market is pronouncedly showing the inroads that are being made into its consumption by oil. Of course it is a very marked advantage to all consumers of steam fuel, to be enabled to purchase their power at a great reduction on the prices of former years. The prices now ruling for coal are also very materially reduced. The best Australian coals were selling two years ago at fully \$2 per ton more than is being offered to day. This is a large shrinkage, and is caused principally by the influx of oil. Low priced oil enables the gas companies to produce cheap gas for stoves and grates; this precludes the Wellington company from changing its present price, unless it would be a further reduction. It is questionable if the prices this year for Australian coals will be repeated next year, as the inclement weather there this season has given the farmers almost nothing to export. The coal strike East will not materially affect this market, except for importations of Cumberland and Anthracite, which doubtless will be somewhat increased in price locally."

PATENT OFFICE REPORT.

MR. ROWLAND BRITAIN, Patent Attorney, of Vancouver, sends the following list of patents granted to British Columbian inventors during the month of May: George Cassidy, Vancouver, a Canadian patent on a rotary engine; T. H. Hazard, Vancouver, a U. S. patent on a diving vessel designed for salvaging submerged wrecks; M. Barret, Grand Forks, a U. S. patent for a tapping jacket; D. J. Matheson, Naaimo, a U. S. patent on a supplementary door fastener; A. B. W. Hodges, of Grand Forks, a U. S. patent on a furnace charging system.

The following patents were published in the Canadian Patent Office Record for March: C. Schallberger, Vancouver, wood preserving compound; A. W. A. Phair, Lilloet, photographic exposure meter; W. F. Bedel, D. McPhail and T. F. Adams, Kaslo, amalgamator; W. G. Trethewey, Vancouver, air pipe coupler; W. T. Jones, Westminster, device for ringing net floats.

TRADE NOTICES, CATALOGUES AND CIRCULARS.

A COMBINED TRANSIT AND LEVEL.

MESSRS. JOHN DAVIS & SON (Derby), Ltd., represented in Canada by Mr. Francis T. Peacock, M.E., of Montreal, call attention to a specially designed combined Transit and Level, embodying all the latest improvements and specially constructed to stand hard usage and suitable for climates where temperatures vary from 70 degrees below to 110 above zero. The instrument rests upon rubber cushions, so that the disarrangement of the adjustments by transportation may be prevented. The specifications are as follows:—Length over all of telescope, 11 ins.; diameter of object glass, $1\frac{1}{4}$ ins.; transit both ends; object slide and eye-piece provided with dust and rain guards; fixed Stadia wires to subtend one foot on levelling rod, placed 90 feet from the instrument; two feet at 200 feet; collimation true for all distances; reversion level 6 in. to telescope, with German silver graduated scale to read bubble; clamp and tangent screw; inverting eye-piece; diagonal eye-piece for vertical sighting; screw movement to eye-piece for focussing cross wires; sensitiveness of 6 in' level in seconds of arc per graduations—20 ins. per division; vertical circle 5 ins. in diameter, divided on solid silver to $\frac{1}{2}$ degrees, with vernier reading to 1 minute; horizontal limb $6\frac{1}{2}$ ins. diameter; graduated on solid silver to $\frac{1}{2}$ degrees, with two verniers reading to 30 seconds; graduation, two rows, 0 to 360 degrees, inclining the way it is to be read; ground glass vernier reflecting shades; compass ring, with double row of figures, the inner row figures in quadrants, 0 to 90 degrees, and the outer row 0 to 360 degrees; 5 in. needle; circle completely covered, and compass and vernier openings water-tight; two graduated right angle levels; socket, long compound centre; levelling screws protected by dust caps and provided with ball and socket cups. There are in addition a number of accessories. The price of this instrument is £43. The manufacturers issue a very neat catalogue in which all engineering requirements are listed and priced.

THE ALLIS CHALMERS CO.

The Salt Lake office of the Allis-Chalmers Co., report the following sales for the month of May:

2 Converters for the United States Mining Co.; Power Plant for the Troy Laundry, Salt Lake City, consisting of 12 in. x 39 in. Reynolds engine, Reynolds heater, shafting, pulleys, etc.

500-ton Sampling Works for the Park City Sampling Co., of Park City, Utah.

4 Matte Ladles for the Bingham Con, Mining & Smelting Co.

1 150-h.p. Return Tubular Boiler, for the Honorine Mining Co. at Stockton, Utah.

Elevator material for the Utah Fuel Co.

2 Converters for the Bingham Con. M. & S. Co.

1 No. 6 Gates Style "D" Crusher for the Lime King Mining Company.

HERCULES WIRE ROPE.

Messrs. A. Leschen & Sons Rope Co., of St. Louis, Mo., publish a catalogue describing their specialties, the most notable being the Hercules Wire Rope, which the manufacturers claim is the strongest, toughest and most durable rope on the market. The Messrs. Leschen also recommend their patent flattened strand wire rope, which is more flexible than the ordinary round strand rope, and has a more wearing surface. The company are now installing at Wyoming, Mo., a remarkable aerial tramway, sixteen miles in length, which is said to be the longest distance ever attempted in the direction of aerial transportation.

SURFACE AND UNDERGROUND HAULAGE.

Those who desire information on the subject of the application of wire rope to surface and underground haulage cannot do better than apply to the Treaton Iron Company, of Trenton, New Jersey, for a copy of a booklet bearing this title, of which they are the publishers, and a well-known authority, Mr. William Hewitt, M. E., the author. The work is a most comprehensive one and contains much valuable information and many instructive useful tables. The illustrations, too, are most instructive. The comparative advantages of the two methods of haulage, the "tail rope" and the "endless rope" system are considered at length, the main difference appearing in the items of power and labour. While, the author remarks, the endless rope system is more economical of power, it is most costly for the labour in handling the cars, and this fact should be taken into consideration in the selection of either system. There are chapters on "Hoists," "Inclined Planes," "Track Rollers and Mine Cars, Tipples, etc."—a most excellent little text book.