SENSATION OF TWO CONTINENTS

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Metal Market

On account of the holidays no quotations were received from the foreign metal markets yesterday. The quotations for Saturday follow:

Latest Quotations, Nov. 1, 1913.

London.

Bar silver, cash	27 9-16
Bar silver, 60 days	27½
Lead, Spanish bars	£20.10.0
Zinc	£20.7.6

New York.

Mexican pesos	46¾
Bar silver, cash	59⅝
Copper, electrolytic	16¾

Read Herald Want Ads.

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MINING SHARES

As yesterday was a holiday here, no cables were available on quotations on Mexican mining stocks on foreign markets, and the local bolsa was closed. The Saturday quotations are given below.

October 31.

LONDON—

Esperanza Mining Co.	£0.17.6
El Oro Mining and Ry. Co.	£0.15.0
Mexico Mines of El Oro	£5.10.0
San Gertrudis, Pachuca	£0.17.6

October 31.

Dos Estrellas	249.00
Mexico Mines of El Oro	135.00
Camp Bird	18.75
Oro Nolan	350.00
San Rafael	69.00
Bianca, Pachuca	128.00
Santa Maria de la Paz	550.00
Boleo Mining Company	795.00
Rio Tinto	1954.00

October 31.

MEXICO—

	Offered.	Bid.
Alacran, Mex.	395	383
Aldebaran, lib., Mich.	12	5
Aldebaran, pag., Mich.	10	3
Almoloya, Jalisco	37	33
Angustias, Dolores	149	146
Argentina y Anx., Chih.	43	26
Atlixtac, Gro.	20	10
Aurora, pag., Mex.	12	2
Aurora, lib., Mex.	20	10
Barreno, S. L. P.	24	19
Blanca y Anexas, Hgo.	62½	62
Bohemia Min. Co., Zac.	...	...
Borda Antigua, Mich.	51	47
Buen Despacho, Mich.	3	2¾
Camp Bird, ord., Hgo.	20	12
Camp Bird, pref., Hgo.	...	...
Carboncillo, Mex.	32	29
Cinco Señores, Gto.	90	75
Coloso, pag., Gto.	...	...
Coloso, lib., Gto.	40	36
Concep. y An., S. L. P.	43	42
Cuchara Rg. y An., Mex	20	15
Chontalpan, Gro.	114	109
Descubridora, Mex.	32	25
Descuido, El Oro	...	...
Dinamarca, pag., Hgo.	...	...
Dos Estrellas, Mich.	112	105
Durana y Amp., Chih.	68	61
Equidad, 1a. pfrc., Hgo.	...	...
Equidad, lib., Mich.	...	...
Equidad, pref., Mich.	...	...
Exp. El Encino, Hgo.	68	65
Gerardita, pag., Mex.	...	...
Gerardita, Dgo.	16	8
Guanacevi, Dgo.	42	38
Gto. Humboldt, p., Gto.	...	...
Gto. Humboldt, l., Gto.	0.75	0.37
Hda. Pa. Grande, Hgo.	2200	2100
Hda. Union, Hgo.	120	100
Jesus y Anexas, Hgo.	...	...
Julieta y An., l., Chih.	70	59
Julieta y An., p., Chih.	...	...
Juanita, pag.	160	125
Juanita, lib.	175	125
Maravilla y S. Fco., Hg.	200	165
Magdalena La, p., Gto.	...	...
Magdalena La, l., Gto.	...	...
Mex. Mines Prospect	...	...
Minera y Fnd. de Zimapan, S. A., l., Hgo.	20	30
Id. pag.	...	...
Montecarlo, pag., Gro.	70	60
Montecarlo, lib., Gro.	90	80
N. Buena Vista (Tepic)	70	56
Nacimientofl pag., Gto	...	...
Nacimiento, lib., Gto.	14	10
Norias de Bajan, Chih.	70	55
Nic. Bravo, lib., Chih.	...	...
Nic. Bravo, pag., Chih.	...	...
Natividad, Oaxaca	60	58
Nvo. Guatimotzin, Gto.	25	22
Oro, El, free	...	...
Oro, El, pag., Gto.	20	12
Ocampo, lib., Gto.	59	53
Oro, El, lib., Gto.	...	...
Oro Nolan, Mex.	130	100
Paz de Mex., pag., Jal.	...	...
Peñoles, Durango	111	108
Paz de Mex., lib., Jal.	...	...
Promosa y Anx. Chih.	35	25
Preciosa (Puebla) Pue.	...	...
Previsora, aviada, Hgo.	...	...
Protectora y A., p., Zc.	16	14½
Prov. S. J., Gto.	90	70
Puerto Corral, l., Gro.	13	9
Puerto Corral, p. Gro.	...	...
Rec. A. y Canoa, Hgo.	35	30
Ref. y Escorpion, Hgo.	45	40
Reina, pag., Hgo.	...	...
Reina, (1a pref.) Hgo.	...	...
Reina, (2a pref.) Hgo.	...	...
Reina, lib.	...	...
Reina, lib.	...	...
Rod. Ramos, Chih.	90	83
S. Acacio y S. Miguel, pag., Zac.	...	10
Id., free	...	...
S. Felipe de Jesus, Hgo.	40	20
S. Miguel y An., Mex.	85	82
San Rafael, Mich.	10	2
Id. aviada	40	30
S. Jorge, pag., Mex.	...	...
S. Jorge, lib., Mex.	...	...
San Rafael, Hgo.	28½	27½
San Vidal, pag., Mich.	7	4
San Vidal, lib., Mich.	12	9
Sta. Ana Esper., l., Mex.	43	28
Sta. Ana y An., Hgo.	170	165
Sta. Gertrudis, l., Hgo.	...	...
Sta. Maria de la Paz, S. L. P.	280	260
Seguranza Mining, Mex.	1	½
Victoria, El Oro	25	20
Victoria, S. L. P.	100	90

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	Leave.	Arrive.
Mexico-St. Louis Limited, Mexico and St. Louis, via Queretaro, San Luis Potosi, Saltillo, Monterey and Laredo.	*2:00 p. m.	*8:00 p. m.
Mexico - San Luis Potosi-Tampico.	*2:00 p. m.	*8:00 p. m.
Mexico--Queretaro and Gonzalez.	7:45 a. m.	6:30 a.m.
Mexico - Acambaro-Morelia - Uruapan, via Gonzalez.	*2:00 p. m.	*6:30 a. m.
Mexico - Toluca-Acambaro and Gonzalez.	7:15 a.m.	7:05 p. m.
Mexico-Toluca.	2:00 p. m.	9:55 a. m.
Sunday only.	8:00 a. m.	7:15 p. m.
BUENAVISTA STATION.		
Express. Mexico - El Paso, via Aguascalientes, Zacatecas, Torreon, Chihuahua and El Paso.	*7:35 a. m.	*8:00 p. m.
Mexico - Guadalajara-Colima and Manzanillo.	5:00 p. m.	8:30 a. m.
Mexico -Aguascalientes-Zacatecas.	6:00 p. m.	8:30 a. m.
Local, Mexico-Pachuca, via Tellez.	7:55 a. m.	9:40 a. m.
Mexico - Pachuca Express.	5:10 p. m.	6:35 p. m.
Mexico-Tulancingo, via Tellez.	5:10 p. m.	9:40 a. m.
Mexico - Cuernavaca-Puente de Ixtla.	*7:30 a. m.	*6:30 p. m.
SAN LAZARO STATION.		
Mexico - Jalapa and Veracruz.	7:00 p. m.	9:25 a. m.
Mexico-Puebla Express.	7:50 a. m.	6:20 p. m.
Mexico - Puebla-Tehuacan and Oaxaca.	8:30 p. m.	6:20 a. m.
Mexico - Amecameca-Cuautla and Ixtla.	7:40 a. m.	5:30 p. m.
Mexico - Amecameca and Cuautla.	5:00 p. m.	8:50 a. m.

*Agents of the Company should be consulted regarding changes of schedules and Pullman and Coach service on these trains.

DAILY MINING WORLD

ECONOMY OF OIL-DRIVEN BARGE

Increasing attention is being paid to the introduction of oil motor power for the driving of inland barges. It is certainly time that the old method of propulsion, either by manual labour or by sail, should be replaced by something speedier and cheaper. One of the large manufacturing establishments has recently adopted a motor barge for service on the Thames for the transport of the necessary commodities used in manufacture. This barge was built and equipped by the Dan Motor and Shipbuilding Company, and is driven by a single-cylinder 45 b.h.p. Kromhout heavy oil engine. The boat is 63 ft. long and 13½ ft. beam, and has a mean draught of 5 ft. 3 in. The installation of this oil engine allows no less than 38 ft. in her length for the storage of cargo, which is a far larger space than would be available under steam. There is storage capacity for oil sufficient to carry the vessel 200 miles. The oil used has a specific gravity of 0.865, and costs about 4½d. a gallon. During a trial run the speed attained averaged 7¾ knots per hour. The saving effected by the use of oil engines on motor barges is very considerable, and the fact that transport can be carried out at a much more rapid rate, and that the extent of the cargo can be largely increased, are points which traders in this and other countries cannot afford to overlook.

NEW MOTOR BOAT.

Since the putting into service of the historic motor boat "Selandia," considerable attention has been paid to the improvement of various details in connection with the machinery. The latest vessel of this type, the "California," has a length of 405 ft., a beam of 54 ft., a depth of 35 ft., and a draught of 23 ft. 3 in. Its displacement is 11,040 tons and its dead-weight carrying capacity 7,200 tons. The vessel is equipped with two eight-cylinder four-cycle motors of the Burmeister and Wain type, each developing 1,350 indicated horse-power. The cylinders employed in these engines have been increased in diameter by 10 m. m., and it has been found that this increase has added about 100 indicated horse-power to each engine. Another important alteration has been that a fuel pump is supplied to each cylinder instead of one for four, as originally arranged. This change enables all the cylinders to do an equal amount of work. In addition to this, the reversing of the engine is carried out by means of compressed air engines. The oil consumption during the trial trip of this vessel is stated to have been 0.384 lb. per b.h.p. hour, which covers the oil consumption of the main engines as well as the auxiliary engines. For certain of the auxiliary requirements a Korting oilfired boiler is provided.

OIL FUEL PROGRESS.

Oil for power purposes is apparently making very decisive progress in different parts of America, and according to the report by Dr. David T. Day, the naval authorities are very definitely committed to an oil fuel policy. According to this authority there are now built, or in course of construction, naval vessels classified as follows: Four battleships, 41 destroyers, 30 submarines, 1 monitor, 3 tank ships, 1 collier, 1 submarine tender, several small vessels. Apart from these there are also eight battleships which are equipped to burn both or either coal and oil, together with one transport and one supply ship. In California, where there are such enormous supplies of oil fuel, Dr. Day estimates that 65,000,000 barrels of oil were consumed in that country last year for fuel on the railroads and for industrial purposes.

NO CHILEAN EXHIBIT AT EXPOSITION.

Santiago, Chile, Nov. 3.—The Chilean government definitely decided today not to take part officially in the Panama-Pacific exposition at San Francisco, owing to the financial situation of the republic.

FROSTS DAMAGING TO CROPS.

Boston, Nov. 3.—Frost has damaged Massachusetts crops 30 per cent, the state board of agriculture announced. There is only a little over half a crop of fall apples.

HEAVY OIL PROGRESS.

A very definite tendency has set in, due to the high prices of the lighter grades of oil, for the adoption of engines and appliances capable of using heavy oils. In a paper read recently by Mr. J. S. Critchley, before the Institution of Automobile Engineers, he stated that the Diesel type of engine was capable of being operated on heavy residual petroleum, coal-tar oil, etc., at about three-eighths of a penny per horse-power hour, or even less where coal-tar oil was a local product; whereas the cost of running a petrol engine was about 1.5d. per horse-power hour with low-grade petrol. He also incidentally stated that Dr. Diesel had recently been engaged in experiments on an internal combustion engine, designed for commercial vehicles, which, while working on the well-known Diesel principle, would, it was anticipated, be comparable with existing petrol engines as regards weight and general dimensions. Additional evidence, economic and otherwise, is forthcoming also from many directions pointing to the fact that the future lies with the engine and appliances capable of being run on residual oils, not only in this country, but in America and on the Continent. Recent figures indicating the use of petroleum for steam generators by railways and manufacturers on the Pacific coast show that the total annual consumption of oil for the fuel in California ranges between 50,000,000 and 55,000,000 barrels, which is equivalent, approximately, to 1,500,000 tons of coal.

Gossip Many of Foreign Lands

In the production of their notes the Bank of England's chief aim is to issue a tender which it will be impossible for anybody to counterfeit. Toward this end all the parts of the note, paper, watermark, ink, engraving, and printing are prepared and done in a special and, as far as possible, secret manner. At the mills where the paper is manufactured the most stringent precautions are taken to prevent any of the paper being stolen.

Of course, there have been many attempted robberies, but only once, in the year of 1862, were thieves successful in obtaining any of the paper. Shortly afterward forged notes were in circulation.

The counterfeiters did not enjoy their triumph long, for within a short time they were captured. The printing is done on the bank premises. The notes are printed in pairs, and come off the press cut and dried.

Stock notes of different values from £5 to £1,000 are kept in safes in one large room, and the average value of the currency on hand is between £86,000,000 and £90,000,000. Some 80,000 notes of various values are paid into the bank every day. They are sorted first into their respective vaults, then according to the dates, and finally into their numerical order.

Every note has a place of its own in the bank register, and immediately the notes are sorted their return is registered.

A new theory to account for the suicide of Princess Sophia of Saxe-Weimar-Eisenach, who killed herself recently at Heidelberg Palace, is advanced in Paris by L'Opinion.

The newspaper says that two women registered in September at the Savoy Hotel at Fontainebleau as Baroness de Rotha and daughter, Baron Hans von Bleichroeder, who was mentioned as the man for love of whom the Princess committed suicide because their marriage was impossible, was with the women, the newspaper says, for a week.

The young woman and Bleichroeder automobiled every day through the forest. One evening the auto struck a little girl and seriously injured her. The Baroness is said to have sought the parents of the girl and paid $3,000 to insure secrecy. The women left immediately for the Tyrol.

The mysterious departure set the police to work, and they discovered that the young woman, the newspaper says, was the Princess Sophia. This news reached Heidelberg Palace and in fear of a scandal the Princess killed herself.

The report of the police administration in Bengal for 1912, which has just been issued, contains some remarkable statements on political crime. The difficulties experienced in tracing gangs of dacoits belonging to the bhadralog, or respectable, classes are, he says, increasing, the indisposition of the people to give information to the authorities being even more marked than in previous years. The wealthy classes have been urged to employ guards from other provinces to protect their property, and government weapons have been issued to considerable numbers of persons in order to enable them to resist the attacks of political gangs. The result, however, has been most discouraging. Some of the weapons have been stolen from the holders, and Mr. C. W. Plowden, the officiating inspector general, who signs the report, frankly admits that the police have signally failed to arouse any real spirit of opposition to the depredation of the bhadralog class. The gravity of the situation is dwelt upon also in the resolution of the governor in council commenting on the police report. The prevalence of political offences in some of the eastern Bengal districts, the resolution remarks, has still to be deplored, and another disquieting feature of the year has been the dissemination of literature inciting to the murder of Europeans and the overthrow of the British government. The governor in-cocuncil further states that the documents seized by the police at Dacca clearly indicate the existance in eastern Bengal of an active and dangerous society, imbued with advanced revolutionary ideas.

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