

CATALOGUES, CIRCULARS AND TRADE NOTICES

PELTON WATER WHEELS IN CALIFORNIA.

THE Pelton Water Wheel Company has just closed with the Bellevue Mining Co., of La Porte, Cal., for a power plant and pipe line. The water wheels will generate 200 h.p. to drive an air compressor, generator and blower for ventilating the mine.

Among some of the most recent orders under completion at the Pelton Company's works, might be mentioned: Salvador Mining Co., Rix Compressed Air & Drill Co., Pacific Portland Cement Co., Ledge Mining & Milling Co., Cumerama Mining & Milling Co., Mitchell Mine, Lahaina Plantation Co., Clark Electric Co., Ouray Electric Power & Light Co., Bishop Light & Power Co. The above orders call for water wheels to operate all classes of mining, plantation and electrical machinery, and illustrate the wide range of application of Pelton apparatus.

ALLIS-CHALMERS STAMP MILLS.

The Bear Gulch Mining Company, of Jardine, Mont., have placed an order with the Salt Lake Branch Office of the Allis-Chalmers Co. for a 40-stamp mill, complete with bin gates, feeders, high mortars, forged steel shoes and dies cast steel cams, tappets and 1 stamp heads copper plates and pulleys, pillow blocks shafting, etc. Also for No. 5 style "D" Gates crusher, with manganese heads and concaves. The Salt Lake Branch of the Allis-Chalmers Co. have received amongst other orders, two orders each for 40 steel shoes and 40 forged steel dies, one for the Gold King Syndicate and one for the Bear Gulch Mining Co., of Jardine Montana.

THE ROASTING, SMELTING AND REFINING OF ORES.

Catalogue No. 3, the sixth edition of which has been published by the Allis-Chalmers Co., is devoted, as the introductory chapter remarks, "to illustrated descriptions of the machinery which modern practice has found best suited for the purpose of extracting gold, silver, lead and copper from ores by ingenious processes." Like all this company's catalogues, the present work is most comprehensive, and contains a vast deal of information of value to the metallurgist.

COAL STATISTICS AND TRADE.

CALIFORNIA market conditions remain practically unchanged. The present price of coal has reached so low a point that there is little likelihood of any further decline. The competition between oil and coal interests is, however, very keen, and in both markets prices have been cut until profits have practically disappeared. The importations of coal into San Francisco during the first six months of 1902 show a falling off of at least 125,000 tons in comparison with the 1901 returns for a like period. British Columbia meanwhile continues to be the heaviest contributor to this market.

THE LOCAL SHARE MARKET.

THE local share markets this month have been practically featureless, speculation in the East having almost entirely ceased. There has, however, been some considerable dealing locally in Mount Sicker (V.I.) stocks, while Fairview and Dominion Consolidated shares have also been in demand at higher prices. The completion of the branch line of the Great Northern Railway into the Republic camp in Washington has had the effect of creating a better market for the shares of companies operating in that locality, and as several of the Republic mines are now in a position to commence regular shipments, a general advance in prices may be ere long expected. Among Rosslund stocks, Centre Star is steady at from 38 to 40; War Eagle is unchanged at 13; Giant has sold at 3½; Iron Mask at 7 to 9; while White Bear has been fairly active at from 2½ to 3. There has been no movement in Boundary securities, Granby being quoted at \$3 Montreal & Boston at \$3 Winnipeg at 5 and Morrison at 3½. Slocan shares are dull, Payne having fallen to 16, Rambler-Cariboo at 70@80; Dardanelles at 2½@3 and Wonderful at 2@3, have, however, been freely dealt in. Cariboo-McKinney has again declined to 17 asked, 14 bid, and North Star is also very weak.

GRADUATES OF A SAN FRANCISCO SCHOOL OF ENGINEERING.

THE A. Van der Naillen School of Engineering recently held its 38th annual examination in practical, civil, mining, electrical and mechanical engineering and surveying, architecture, drawing, assaying, cyaniding and metallurgy. The following successfully passed and were granted diplomas:

Assayers—H. A. Kuns, Ingomar; D. Woodruff, San Francisco; H. B. Shaw, Sonoma; C. S. Bryant, Diamond; H. C. Guentische, San Francisco; W. T. James, San Francisco; C. L. Bosson, San Francisco; F. G. Blackhart, Angels; J. K. Wilson, Placerville; F. S. Beckett, Grizzly Flat; G. Messner, Callahans Flat; W. W. Thurston, Grass Valley; T. J. Douglass, Berkeley; J. Sklower, Berkeley; R. Mawbray, Salmon City, Idaho; C. W. Soule, Salmon City, Idaho; D. J. Mahoney, Glendale, Or.; L. L. Mann, Elelee, H.I.; G. R. Huggins, Murfreesboro, Tenn.; E. Williams, Nome, Alaska; G. Colin, Victor, Colo.

Surveyors—G. Gibson, San Jose; M. J. Blake, Matthews; G. W. Grove, Wheatville; G. J. Grinnell, San Francisco; G. V. Nichols, Berkeley; A. E. Duffey, Ben Lomond; R. J. Barr, San Rafael; C. Goerl, San Rafael; F. Juhl, Kings City; U. Coffman, Cedarville; R. C. MacLachlan, Laton; A. Watson, Dawson, N.W.T.; A. Dumas, Nome, Alaska; W. H. Warnecke, San Francisco.

Mining Department—G. A. Ray, Gualala; S. M. Waterman, Cinnabar; F. A. Horvill, Stone Canyon; J. L. Hutchinson, Sumpter, Or.; H. Newman, San Francisco; M. C. Kerr, Johnsville; F. M. Lyle, San Francisco; D. W. Lyon, Grass Valley, W. H. James, Iowa Hill; J. A. Shields, Michigan Bluff; Charles E. Sloan, Memphis, Tenn.; B. G. B. McDowell, Nankin Ohio; J. H. McDowell Nankin, Ohio; W. O. Maxwell, Marshfield, Or.; E. F. Beck, Dayton, Nevada; O. W. Alderton, Ehrenberg, Ariz.; F. W. Saunders, Coos Bay.

Draughtsmen—R. Keeler, San Francisco; G. Fee, San Francisco; R. W. Cudworth, San Francisco; W. K. Blackburn, San Francisco; S. L. Casella, Alma; J. F. McLaughlin, Port Blakeley, Wash.

Electrical Department—W. R. Dunbar, Murphys; H. E. Shuck, Sacramento; T. J. Zennidner, Arcata; P. L. Gedney, San Diego; D. McDougall, San Francisco; W. T. Rutledge, San Bernardino; R. Dewart, Gilroy; E. L. Faust, Bakersfield; A. W. Hunt, Redlands; V. Urban, San Jose; H. G. Schemel, Gilroy; A. Mauser, Napa; J. W. Dooley, Sacramento; F. A. Dooley, Sacramento; A. H. Kennedy, Arabelle; C. W. Cooper, Campbell; T. C. Thayer, Biggs; H. B. Patterson, Armona; R. Urquhart, Napa; C. T. McKenzie, Napa; H. A. Smith, Santa Barbara; J. T. Worthington, Waddington; F. W. Mielenz, Napa; F. Bond, Cloverdale; F. R. George, Los Angeles; E. Krett, San Francisco; R. L. Cathy, Ferndale; E. R. Foster, Dixon; E. Schlessinger, San Francisco; L. A. Hedger, San Francisco; J. Minor, Arcata; J. P. Gericke, Tomales; H. F. Fahs, San Francisco; E. P. Mann, San Jose; O. G. Wilkes, Hillsboro, Or.; L. E. Wilkes, Hillsboro, Or.; E. Mayer, Butte, Mont.; L. T. Russell, Portland, Or.; S. C. Mills, Salt Lake, Utah; E. M. Hengell, Andover, S. D.; H. Piggott, Ontario, Canada; John Fletcher, Manila, Philippine Islands; D. C. Rudolph, Lompoc.

COPPER PRODUCTION.

In their annual statistics of the world's production of copper, Henry R. Merton & Co., Limited, of London, show that there has been an increase in the output abroad while in the United States there is a slight decrease. Canada, Australia and Chili are the countries mentioned which have increased their supplies.

THE METAL MARKET.

THE silver market has been dull and featureless, although prices are slightly higher than during June. The Indian Government is now well supplied with silver, and buying of the metal on Government account has fallen off. Exports of silver bullion from San Francisco to the Orient for the six months ending June 30th are valued at \$2713,352,—a large increase over the corresponding period