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REGULAR CALL SALES.

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Ajax, 1,500 at 17; 500 at 1614. Shares Carisa, 1.000 at 15%: 1.100 at 15%; 4, 500 at 15%; 500 at 15%. Shares sold, 6,

700.
Con. Mercur, 1,000 at 1.09; 100 at 1.06;
100 at 1.05. Shares sold, 1,200.
Daly-West, 5 at 23.00.
May Day, 200 at 8½.
Northern Light, 1,000 at ¼.
Petro, 500 at 11½.
Silver Shield, 300 at 13½; 500 at 13¾.
Share sold, 800.
Star Con., 500 at 3¼.
La Reine, 5,000 at 3¼.
Shares sold, 5,500.
Martha Washington 2,000 at 3¾.

Martha Washington, 2,000 at 2%. Tetro, 500 at 30.

OPEN BOARD SALES.

Carisa, 2,600 at 16. Carisa, 2,000 at 16, Lower Maramoth, 500 at 57½, Star Con., 1,000 at 33¼; 1,000 at 33½, New York Bonanga, 300 at 23¼. Martha Washington, 2,000 at 2¾, Nalldriver, 100 at 1.22,

RECAPITULATION.

Regular cal Open board		Shares. 25,805 6,600	Va: \$3,88 1,310
Forenoon	totals	82,405	\$5,20

SPRAYING IN COAL MINES.

Results from Experiments Conducted by English Engineers.

Much less attention has been devot-Much less attention has been devot-ed by American engineers to the safety value of watering dusty mines than by European engineers, but the former have shown that anthracite mines, though in many cases producing larger volumes of firedamp than those of a bituminous nature, are less liable to explosions. It has also been discovered that all bituninous mines are not equally dangerous by reason of the coal dust they produce, and that those dust they dust they produce, and that those mines which produce a dust which when rubbed between the fingers has a greasy feel, are especially danger.

When the liability of English steam coal mines to huge explosion disasters became recognized, it was perceived that the explosive nature of the coal dust was an ever-present danger, which could no longer be denied, and a royal commission was apointed to take evidence and report on the sub-ject. This commission only very par-tially investigated the subject, devoting themselves largely to the effect of gunthemselves largely to the effect of gun-powder shots on mixtures of air and coal dust; concluding their 'abors by recommending that gunpowder should not be used in flery mines; that water should be used by sprays or otherwise to dampen the air of the mines; and to water the top, sides, and floor, in the immediate vicinity of shots. Before this commission concluded its labors, the oportunity was afforded them of investigating explosions which had oc-curred in mines where firedanto had curred is mines where firedamp had never been seen and where firedamp has never been found since. RETURNED MISSIONARIES.

mas never been found since. One member of this commission (Prof. Dixon), a writer, experimenter, and authority on the rate of explosion in gases, has shown that, if the maxi-mum force of an explosion is to be de-veloped, it is necessary to add. 5 per cent of water vapor to mixtures of air and gas, and that this volume of vapor can only be added by using steam. It is therefore quite clear at the outpet can only be added by using steam. It lar we have a state outset the outset outset at the outset outset outset added by using steam.

not expect in the way of large ore bodies; developed since they last inspected the property. It was only last week that Supt. Raddatz made two n making our mineral exposition at St. Jouls a success, I am awaiting such favery important finds, all of which was vors. very gratifying to the visitors. The excavations and grading for the new Honerine concentrator, said Mr. Raddatz joday, have been completed and the work of laying the foundations is about half finished. Chief department mines and mining, Utah exhibits St. Louis Exposition, Ogden, Utah, Sept. 29, 1903. The great drain tunnel has been com-pleted to the length of 4,900 feet. The face is now in good breaking rock. Consequently, good headway is being Manager Walter L. Maas, of the Su-perior-Alia mine, has gone to camp to remain until Monday. made. The volume of water coming from the tunnel is not as great as it was some time ago, the flow now be-ing about 1,700 gallons per minute. A special meeting of the shareholders of the Kennebec Mining company is scheduled for the 12th proximo.

PROSPEROUS STATELINE.

the mine

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5.63

Mill at the Homestake Mine at Fay, Nev. Scheduled to Start Tomorrow.

Tin Discovery Reported.

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L. P. Larson, a prominent citizen of Fremont, Nebraska, is in the city look-ing after some mining interests. Some heavy buying of Utah Consolid-Grant H. Smith, who is extensively ntcrested in the Stateline district, has ated by the Standard Oil crowd is rereturned from camp where he spent several days in looking over the proper-ties in which he is directing operations. The three-cent assessment on the stock of the Old Evergreen Mining company is delinquent today. As to them he had nothing new to re-port at this time except that develop-ment work is progressing with favor-able results. "The camp was never in The two-cent assessment on the stock of the Webster Mining company is deinquent. a more prosperous condition," said Judge Smith today, "and a better feel-

Brokers Sheets & Thompson have re-Judge Smith loday, "and a better feel-ing prevails among the citizens of the district than for some time past. The recent strike in the Johnny and other properties has had a good effect. The developments in the Johnny are grati-fying, indeed. Some extensive bodies of low grade ore have been opened up in the mine." turned from an outing in the Jackson's Hole country in Wyoming.

Manager Jacobs has over 300 tons of Butler-Liberal concentrates ready for

DON MAGUIRE.

CONCENTRATES.

market. Sinking is in progress at the prop-erty of the Beaver Consolidated in Beaver county.

At Fay, Nevada, Judge Smith says, are many evidences of prosperity and the new Homestake mill will be ready to go into commision by tomorrow and will handle an output daily of 40 tons. The stockholders of the Tonopah-Utah company have subscribed suffici-ent funds to carry on a campaign of development for an indefinite period. The Horseshoe mill is being placed in readiness to start up with its new Manager Simon Bamberger of the equipment as rapidly as possible; but it will probably take a month or six weeks to get everything in shape. The machinery is now being installed. Bamberger-Delamar mines is exp to return from camp on any train. expected

Fourteen stamps are dropping at the property of the Jumbo mining company in the Buffalo Hump country, Ida,

A new air compressor and other machinery has been ordered for the Car-bonate Hill mine at Halley, Idaho, Manager S. L. Butler of the Summit

Placer company's wax mines, near Col-ton, is inspecting those properties. W. J. Dooly has been in Parowan at-

tending court in the interests of the Johnny Gold Mining company of State-

The ore and bullion settlements reported late yesterday afternoon were as follows: Crude ores and concentrates, \$56,600; base mbullion, \$42,500. Total, \$99,100.

Draughtsman Winwood, in the em-ploy of the Columbus Consolidated, vis-ited that property today,

Arthur E. Snow, secretary of the Col-imbus Consolidated, will go up to Alta omorrow.

Local commercial stocks are stronger and in better demand. The option held on 51,000 shares of atock in the Bullion-Beck mine in Tin-tic, owned by James A. Cumingham, has been extended. The holder of the option is Philo T. Farnsworth. Today's local bank clearings amountround s local bank clearings amount-ed to \$358,509.65 ng against \$468,843,02 for the same day last year. Tho month's clearings amounted to \$12,889,-993.05 as against \$12,496,125,82 for the month of September of 1902.

The case of Dr. John White against he Century Gold Mining company has been dismissed.

HETURNED MISSIONARIES. Have you a friend or acquaintance in your former field of labor, to whom you would like to send a copy of the Semi-Weekly News? If no, take ad-vantage of our special offer, made to aid the great missionary work. We send the paper one year to any point in the United States, Canada or Mexi-co at half price, \$1.00. This does not apply to points where there are regu-lar wards or stakes. Foreign postage extra.

o brokers and their clients. R. J. Jarvis, one of the contractors at work in the Bingham-Centennial at Bingham, is in the city and reports that sales were not pursued actively below las night's price level, and the market be came dull. Republic Steel rose 34, an

satisfactorily. Up to 3 o'clock no difficul-ties had been disclosed, the alarmist ru-mors had ceased and no serious failures were anticipated. The improved tone noticed at the close of the stock exchange yesterday after-noon was fully maintained this morning. Consols were firm. They opened at 88% (3, above yesterday's 'closing quotation. There was a substantial rally in most of the departments. Americans opened firm and higher in response to the recovery in New York. night's price level, and the market be-came duil. Republic Steel rose 34, and bes Moines & Fort Dodge preferred re-covered 15 points of yesterday's drop. Bonds were irrebular. The selling movement became very hea-vy and general in the early afternoon and sharp inroads were made on prices of all the leading stocks. Pressure centered for a time on the Pennsylvania group and was then extended to the western stocks and specialities. Louisville & Nashville and Tennessee Ceal lost about 2 points and practically every representative stock a point or more. the departments. Americans opened firm and higher in response to the recovery in New York. The failure of J. J. Irons, a broker con-

LIVESTOCK.

CHICAGO.

KANSAS CITY.

neeted with the Glasgow stock exchange, was announced. The fallure is not an im-portant one. Mr. Irons was connected with the Grand Trunk and Kaffr marand practically every representative stock a point or more. Advocates of a rise in prices were fur-ther discouraged by the depression of 2% in Pennsylvania. Reading was carried down 1% and Sugar 2. Brooklyn Union Gas dropped 8. The selling showed signs of lightening but the market became very dull and ralled but feebly.

Kets. The suspension of P. M. Cunningham was announced on the Edinburgh stock exchange. It was not an importat failure.



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Walter C. Orem, manager of the Utah-Apex at Bingham, is directing Re-ginald Ward and party through the properties of that corporation today. The resignation of Asst. Socy. Fred Nightingale of the Mining Exchange is deeply regretted. He has performed his duties efficiently and withall was always accommodating and courteous to brokers and their clients.

Butte, Mont., Sept. 23.-A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Cape York district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given. BUSINESS NOTES. Dun's Review reports Solt Lake bus-iness conditions for the week as follows: Jobhing husdness improves as the senson progresses and a fairly active trade is had in dry goods, clothing, furnishings, notions and groceries. The drug and hardware business is fairly steady, with improvement noted in shoes. Retail trade is generally fair, but retarded in some lines by return of warm weather. Collections continue slow and unsatis-factory, but money is in satisfactory supply and fair demand, with raises firm, Local commercial stocks are stronger