

TELLS STORY OF GREAT SMELTER

30c Per Pound

Is all you pay for Hewlett's Steel Cut Fresh Roasted

LUNETTA COFFEE

The only Fresh Roasted Steel Cut Coffee on the market, and will give you better satisfaction than any 40c or 45c stale imported Coffee.

Big Plant at Tooele Technically Described by A. G. McGregor.

ADDRESSES GIVEN BEFORE SOCIETY OF ENGINEERS

Modern Methods Are Described and Contrasted With the Old.

The Utah Society of Engineers held the first of the fall meetings at 702 Newhouse building Friday night.

After routine reports were read at the meeting last night, A. G. McGregor, engineer for the International Smelting & Refining company read a description of the new smelter at Tooele.

There was a large attendance, and the addresses were given the very closest attention. Modern methods of smelter construction were described and contrasted with the old, tedious ways.

The Tooele smelter is situated about four miles east of Tooele City, Tooele county, Utah, and by rail is forty-one miles from Salt Lake City.

The smelter is connected by the Tooele Valley railway with the San Pedro, Los Angeles & Salt Lake railroad, the junction being about seven miles from the smelter site.

The ore treated comes principally from the mines of the Utah Consolidated Mining company in Bingham Canyon.

Receiving bins for the ore are constructed of steel and are fireproof throughout. The receiving bins have a capacity of 10,000 tons of ore and coal.

The sampling department of each section of the mill contains, besides a 12x24-inch Blake crusher, which is common to the crushing and sampling department.

One O-A Brunton sampler. One 20x10-inch crusher. One 1-A sampler. One 4x12-inch roll. One 2-A sampler. One 2x12-inch roll. One 4-A sampler.

The discard from the sampling machines drops into screens of the crushing department from which it is conveyed to roaster bins.

From the crushing plant the crushed and sampled ore is conveyed by belt conveyors to the McDougall roaster steel receiving bins, which have a capacity of 5,000 tons.

Two 4x12-inch rolls. One 2x12-inch roll. One 12x24-inch Blake crusher. Two 4x12-inch rolls. Two 12x9-inch crushers.

From the crushing plant the crushed and sampled ore is conveyed by belt conveyors to the McDougall roaster steel receiving bins, which have a capacity of 5,000 tons.

The Roaster Plant. The roaster plant consists of two buildings, each 14x12 feet. Each building contains sixteen McDougall calcining furnaces of the Evans-Klepejko type. These furnaces have six hearths,

sixteen feet in diameter, and are eighteen feet high. They have revolving water-cooled shafts and arms, driven by electric gearing from the bottom.

The rollers are so set as to move the material from the circumference to center, and then to alternate hearths, until it finally drops into the calcining hearth.

Electric Trimming System. The equipment of the electric trimming system consists of three 7 1/2-ton and two 18-ton trucks for handling ore, coal, calcine, flux, dust, ashes and slag.

Flues and Stack. The main flue which conveys the gases from the reverberatory furnace and converter is 20 feet wide by 18 feet high and 1360 feet long.

Reverberatory Plant. The reverberatory plant consists of three buildings joined together, the reverberatory charge building, containing the ore and coal hoppers, the reverberatory furnace building, covering the larger portion of the plant, 55x250 feet, and the boiler house, 35x225 feet.

Water System. The water for various purposes in the smelting plant is obtained from Pine Canyon by a 20-foot wide pipe, conveyed by gravity from a dam in the canyon through a 12-inch pipe, approximately 5000 feet to a standpipe of 50,000 gallons capacity.

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General Manager Wells Here. Nearly 2000 men are now at tunnel and grading work on the new high line of the Salt Lake route through the Meadow valley wash, west of Ogden.

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IN RAILROAD WORLD

UNION PACIFIC SYSTEM PLANNING GREAT SCHEDULE

It is said that the Union Pacific and its connections are secretly planning a New York-San Francisco limited service that will make a ninety-five-hour run or possibly less.

The building contains one 16x23x36-inch Corliss engine direct connected to a 2500 K. W. motor, one 15x26x36-inch Corliss engine direct connected to a 2500 K. W. motor, one 18x24x36-inch Corliss engine direct connected to a 2500 K. W. motor, one 26x32x52x18-inch blowing engine, one 13x26x36x18x36-inch steam and air compressor, one 24-inch and 15x18x18-inch motor vertical air compressor, one 200 K. W. motor driven D. C. 300-volt generator, one 50 K. W. motor driven A. C. generator, one 50 K. W. motor driven 50 K. W. D. C. exciter generator, two feed pumps having a total capacity of 750 gallons per minute, one fire pump of 750 gallons per minute.

Besides the above, the plant contains the necessary condensers, vacuum pumps, feed water heaters, etc. Between the waste heat boilers and hand-fired boilers are three water heaters, one for each of the three 7 1/2-ton and two 18-ton trucks for handling ore, coal, calcine, flux, dust, ashes and slag.

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stock yards of South Omaha to increase rates 100 per cent.

Big moves. Great beet harvest. Eastbound travel immense.

The Oregon Short Line has ordered dozens of small improvements in the way of additional sidings, etc., to be pushed through as soon as possible.

Assistant Traffic Director T. M. Schumacher of the Harriman lines is in the city on his way east after attending the Spokane hearing recently.

The welcome rains have put out all the forest and canyon fires as well as brightening the prospects of the dry farming section.

A chartered car containing a party of members of the Delta Upsilon came in over the Rio Grande from San Francisco Thursday.

Western Pacific is still running a fruit train into this city daily and the Spokane train is handling more passengers regularly.

The trains for the east Thursday over both roads were packed on account of the fact that the excursion rates are now called off and the fall and winter rates are in force.

In letters six feet high the words "Western Pacific" appear over the Oakland mole of that road. The sign is made of hundreds of incandescent lights and is lit at night.

In answer to an inquiry, the Gould lines now figure in mileage 19,320.

W. M. Waide of the Santa Fe and C. E. Aerts of the Western Pacific are guests at the Moxum.

Owing to the fact that the old Rio Grande shop and yards are still being repaired, car cleaning and repair work now station grounds present a cleanly appearance at all times.

LA PAZ, Bolivia, Sept. 16.—The senate today approved the concession granted a syndicate of British capitalists for the construction of a railroad from the Yacumbi river to Santa Cruz.

ST. LOUIS, Sept. 16.—After an active career as a member of the Merchants Exchange, retirement called on Martin Luman 55 years old, a wealthy merchant, shot and killed himself after breakfast today.

SALISBURY, N. C., Sept. 16.—Stricken with a stroke with which he has long been afflicted, John M. Julian, editor of the Salisbury Evening Post and a leader in state politics, died at his home here today.

SHARPSBURG, Md., Sept. 16.—Civil war veterans are assembled here to attend the thirty-ninth annual reunion of the society of the army of the Potomac. During the forenoon today there were corps meetings followed by a meeting of the general society.

BERLIN, Sept. 16.—A special dispatch to the Morgen Post from Funkfinkler, Hungary, says that a formidable bomb attack was planned by the German army on the railroad track in front of Emperor William's train, in which he was going to the hunting lodge Mohacs, twenty-five miles southeast of Funkfinkler.

MILWAUKEE, Wis., Sept. 16.—Eight persons, five women and three men, were killed in a crash landing when a Wright aeroplane driven by Arthur Hoxey, swayed sidelong from its course and fell into the water near the shore.

SAN DIEGO, Cal., Sept. 16.—Suit was filed in the superior court here today to contest the will of Mrs. Harriet P. Thurston who died at Newburyport, Mass. recently. She left \$150,000 to Mrs. Katherine Tingley, head of the theological organization at Point Loma.

Tribune Want Ads. Bell Main 5200. Independent 360.

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AMUSEMENTS

IN SALT LAKE THEATERS.

SALT LAKE THEATER—"The Spendthrift." Evening, 8:15.

GARRICK THEATER—William Ingrossell, Frances Nelson and company in "The Walls of Jericho." Matinee, 2:15. Evening, 8:15.

ORPHEUM THEATER—Advanced vaudeville. Matinee, 2:15. Evening, 8:15.

Motion Pictures. SHUBERT THEATER—Motion pictures.

ELITE, LUNA AND ISIS THEATERS—Continuous performance.

MISSION THEATER—Motion pictures. Daily matinees.

CASINO THEATER—Advanced motion pictures. Continuous performance.

Appearance is everything. One cannot help but be impressed with the appearance of Richards and Fingers' minstrel show.

The splendid houses which sat before the curtain on Thursday and Friday evenings at the Garrick theater demonstrated that the good company, presenting high-class drama, can draw the audience of both nights were of the very highest type.

There is an entire change of program at the Mission theater today and the bill appears on the face of it to be up to Mr. Clark's usual high standard.

The Curtis Musical Comedy company's new show, which is the best it has attempted to present since opening at the management at the Daniels, begins at this hour this afternoon.

At the Shubert, beginning with today's performances, there will be found an excellent bill of motion pictures at that theater, headed by the famous war drama, "Uncle Tom's Cabin," admittedly one of the best acted and most laboriously staged plays ever introduced into the motion picture field.

At the Luna, Isis and Elite theaters, beginning with today's performances, the excellent bill of motion pictures, headed by General Manager, "The House of the Living Dead," and the other three houses announces some of the strongest programs he has yet presented locally.

CAMP ASCADERO, Cal., Sept. 16.—The arrival of the Arizona National Guard late tonight and the first active field operations by the regulars marked the second day of the army maneuvers at Ascadero, Ariz., under Major P. O'Neill, the first of the militia to join the regulars in the biennial war play, under the command of Colonel Tutthill of Morehead, Ariz., and the first of the militia, pulled into Ascadero Saturday morning.

The problem of investigation was battalion commands. A battalion of the Arizona National Guard, under Major Leo Ruddy, and supported by a platoon commanded by Lieutenant Colonel Carleton O'Neill, the first of the militia to join the regulars in the biennial war play, under the command of Colonel Tutthill of Morehead, Ariz., and the first of the militia, pulled into Ascadero Saturday morning.

Both Phones 140. 103-105 South

Lablache face powder, regular 50c

El Perfecto Face Rouge, regular 50c

Stimpra Giovanni, regular 50c

Stillman's Brecke Ointment, regular 50c

Almond Cold Cream, regular 50c

Margel Cold Cream, regular 25c

Lister Tooth Powder, regular 25c

Arctic Tooth Soap, regular 25c

Sanitol Tooth Paste, regular 25c

Peroxide Tooth Paste, best for the teeth

Rubioam, regular 25c

Haywood's Antiseptic Eye Wash for weak, tired and sore eyes

Colgate's Shaving Stick, regular 25c

Falm Olive Soap

Dr. Hobson's Eczema Ointment, guaranteed cure

ROYAL BAKING POWDER Absolutely Pure The only baking powder made from Royal Cream of Tartar No Alum, No Lime Phos

FATALLY INJURED BY LEAPING FROM

WORKMEN NEARLY DROWN IN BIG FLOOD OF

FORT WAYNE, Ind.

CARRY A BAG THAT STAYS IN STYLE.

NO WOMAN WANTS TO BUY A BAG GOING OUT OF STYLE IN A SHORT TIME.

EVERYTHING IN LEATHER

MEREDITH'S

Fast and Thorough Repair

212 MAIN STREET

HONEST WORK HONEST PRICES

Union Dental

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BUSINESS COLLEGE Day and Night Sessions. Enroll now and get the best instruction given by any school in the west. Positions secured or tuition refunded. Those who enroll now get the same attention as those who started at the beginning of the term. Call, write or phone for full information. J. C. HENAGER, Pres.