

New Process

Hot-Rolled Steel Now Coiled Successfully at Geneva Plant

The first experimental coils of hot-rolled steel have been manufactured successfully at Geneva Steel Company near Provo, Utah. Regular commercial manufacture of coils in the converted Geneva plate mill will follow early next month as the new machinery is tuned to smooth running order. The hot rolled coils each weighing approximately 12,000 pounds, will be shipped to Columbia Steel Company's new cold reduction mill at Pittsburg, Calif. for cold rolling into tin plate and steel sheets.

Chest X-Ray Unit Returns Here Jan. 17

Following requests of various clubs and organizations in this area, a return engagement has been booked for the free chest X-ray service of the Los Angeles county health department, according to Dr. Henry C. Smiley, district health officer.

The portable equipment will be set up in Torrance Health Center, 2300 Carson street. Hours are scheduled as Monday, Jan. 17, from 1 to 6 p.m.

All residents over 15 years of age are urged to take advantage of this opportunity to obtain a free chest X-ray.

With the exception of tuberculosis contacts referred by the local health center, children under 15 years of age will not be x-rayed. All minors must have the written consent of their parents to receive this service.

No appointments are needed as the x-ray is completed in less than a minute, the doctor said. Disrobing is unnecessary although it is suggested that clothing with metal decorations such as sequins not be worn. Reports are confidential and will be mailed to each individual having an X-ray.

S.P. Tells of Industry Trek to Southwest

The volume of freight service rendered by Southern Pacific in 1948 was the greatest of any peacetime year, President A. T. Moeur announced in his year-end review of the railroad's activities.

The company rolled up a total of over \$7 billion revenue net ton miles, the equivalent of transporting more than 4,000 tons of freight around the world at the equator every day of the year, it was revealed.

"Southern Pacific's industrial department is doing its utmost to speed expansion in the west and southwest," Moeur said, "and since V-J Day we have helped establish, on our lines, an average of three new industries for every day of each year.

This represents new carload-producing industries alone, and does not include the many expansions of existing plants."

Butters Out of Danger in Plane Crash

Injured in a plane crash in which the pilot was killed last week, Jack Butters, 23, of 21400 South Harvard boulevard, was reported yesterday as being out of danger at Torrance Memorial Hospital.

Butters, son-in-law of Virgel Bowles, owner of Virgel's Wheel Alignment Shop at 1760 Carson street, where Butters is employed, sustained a broken leg, fractured pelvis, and head injuries in a light plane crash on Dec. 28 at Compton airport.

Constant visitor at the injured pilot's bedside has been his wife, Christine.

Dr. John W. Beeman is the attending physician. Butters learned to fly under the G. I. Training Bill and is a member of the Civil Air Patrol.

Haggott May Boost Water Rates in P.V.

Ben Haggott, Seaside Ranchos subdivider and president of the Palos Verdes Water Company, has petitioned for an increase in the water rates for the neighboring city, and a hearing has been called for 11 a.m. on Feb. 2.

The petition was filed recently with the State Utilities Commission. Haggott's petition said the water company had been operating at a deficit for many years.

Here's how it was done... With the installation of the new equipment, including a slab squeezer, a vertical edger, two giant finishing stands and the collers, the finishing speed of the combined plate and coil mill has been increased to a maximum of 2200 feet per minute, approximately doubling the former mill's speed. The plant's rated open hearth steel capacity of 1,280,000 net tons a year will remain the same.

From the scale-breaker, at which point the heated steel slabs for both coils and plates enter the rolling line, to the collers, the converted hot mill extends about 900 feet. Parallel to this line and connected with it by a broad cooling bed a plate finishing extends another 1100 feet. This latter line is now being revised, with the installation of new handling equipment to improve its efficiency.

As before conversion, the converted mill can roll plates up to 120 inches wide, 3/16 to 1 1/4 inch thick and to variable lengths up to 40 feet or more. With the additional machinery, this mill can now also roll and coil flat steel breakdowns from 24 to 72 inches wide and from 1/20 to 1/8-inch or more thick.

In either case, for plates or coils, the first step in processing is the removal of scale in a pair of rolls. Next, a "spreader" rolls the slabs widthwise to somewhat more than the width desired. Then a slab squeezer brings it back to exact width and trues the edges. Following these steps the slab is rolled back and forth lengthwise in a "roughing mill" until the starting thickness for the finishing train is attained.

Before entering the finishing train, new scale that has formed on the red hot steel is loosened by a light scale-breaker and blown away by a high-pressure water spray. The cleaned piece then passes successively through six continuous finishing stands, each of which is specially adjusted to a prescribed "bite" and emerges from the last stand rolled to exact final thickness.

If the piece has been rolled relatively thin as a breakdown to be coiled, it continues straight ahead in the line to the downcoilers, which stand in a pit below floor level and extend above that level. Here mill deflector, traveling at mill deflector speed, are deflected downward by a gate into the throat of the collers and thence into a cage of motor driven rolls.

This "curls" the flat steel around a mandrel to form a coil. When the full length has been reeled, the coil, still hot, passes by conveyor to the raw coil storage building, where it is stacked for later shipment to the cold reduction mill.

If the piece is intended for plate, hence rolled less thin, its passage is stopped on the coller, and it transferred by way of the cooling line, where it is roller-sheared, roller-rolled, sheared to final size, marked, inspected, resquared if necessary and prepared for shipment.

The plate finishing processes, unlike the rolling processes are not arranged in a straight line but involve the use of a complicated network of modern handling equipment.

Columbia Steel Company's new cold reduction mill in Pittsburg and its proposed new cold reduction mill at Torrance have been over and above the original pledge to make full use of Geneva's production capacity. When United States Steel purchased the Geneva plant more than two years ago, it pledged itself to a conversion program of not less than \$15,000,000. The present conversion program is the major part of this improvement, designed to provide more steel for the development of western industry.

"DEAD SEA OF AMERICA" Mono Lake, located in Mono County and known as the "Dead Sea of America," is 14 miles long and 10 miles wide. It has no perceptible outlet, its water contains 3 1/2 per cent of solids, is about the same density as the sea, and its temperature remains around 70 degrees from early June to late September.



GRAND PHARMACEUTISTS ON DUTY Prescriptions Filled from Large Variety of Fresh DRUGS

1334

EL PRADO TORRANCE

Specials for Thurs.-Fri.-Sat. ... January 6-7-8 - Limit Rights Reserved -

Clearance? NO! JUST LOW PRICES ON THINGS YOU NEED!!

- Cold Needs**
- 100 5-GRAIN TABLETS ASPIRIN 7¢
 - GROVES TABLETS BROMO-QUININE 39¢
 - VICK'S Menthol Inhaler 27¢
 - Milk of Magnesia 12¢
 - NORWICH Baby Cough Syrup 35¢
 - 50 TABLETS BABY ASPIRIN 29¢
 - TUBE MENTHOLATUM 33¢
 - VICK'S ROSE DROPS 31¢
 - KAHLE BEN GAY 69¢
 - GUARDS GOLD TABLETS 23¢
 - NEEM COUGH SYRUP 79¢

WON'T WRINKLE • WON'T CRACK • WON'T STICK

Plastic Kitchen APRON

REG. 49¢ VALUE!

29¢

START COLLECTING NOW! GAY, LITTLE MINIATURE DOG HEADS

ONE WITH EACH TUBE OF LISTERINE TOOTH PASTE

6 HEADS IN ALL

WEAR THEM AS YOU COLLECT THEM ON BRACELET OR CHAIN

29¢

REG. 49¢

Famous DUNDEE BATH TOWELS

ASSORTED PASTEL COLORS

29¢

"42" OIL SHAMPOO 49¢

2-QUART HOT WATER BOTTLE 49¢

ORAL or RECTAL FEVER The monometer SPECIAL QUALITY FLASHLITE BATTERY 7¢

ELECTRIC HEAT PAD 2.98

NYLON TOOTH BRUSH Special 4¢

CARTON OF 50 BOOK MATCHES Special 9¢

Fresh Bulk Old-Fashioned CHOCOLATES

Regular 39c Pound 19¢

ALMOND OR FLAIN HERSHEY BARS REG. 5¢ PACKS CHEWING GUM 3 FOR 10¢

Toni HOME PERMANENT with 5¢ plastic curlers 2.00

PEPSODENT tooth paste 25¢

SHASTA Cream Shampoo 49¢

ALKA SELTZER 54¢

SHAVE CREAM OF CHAMPIONS COLGATE 27¢

VASELINE HAIR TONIC 41¢

Dorothy Gray SPECIAL DRY-SKIN MIXTURE Sale!

\$1.00 for the \$2.25 size

\$2.00 for the \$4.00 size

PRICES PLUS TAX

LARGE DREFT 23¢

- GLASS ASH TRAY 3¢
- TALL CRYSTAL GLASS BUD VASE 7¢
- PLASTIC JUICE TUMBLER 3¢
- 1 1/2 GALLON GARBAGE CAN 1.29
- REG. \$7.49 WICKER CLOTHES HAMPER 3.98
- ROUND METAL FLOWERED WASTE BASKET 33¢
- ALUMINUM 4-CUP PERCOLATOR 69¢
- PLASTIC BOMB STYLE SALT, PEPPERS 5¢
- DUSTPROOF SHELF PAPER 8¢
- REG. 98¢ BATH SPRAY 59¢
- REG. 10¢ WISLEY SCENTED BAR SOAP 5¢
- TAX SHOE POLISH 3¢
- 100 MARCAL PAPER NAPKINS 9¢
- METAL EGG POACHER 29¢
- MURINE for EYES 54¢
- FITCH'S DANDRUFF REMOVER Shampoo 25¢
- LUSTRE CREME SHAMPOO 49¢
- BROMO SELTZER 57¢
- KREML Shampoo 59¢
- DRENE Shampoo 79¢
- BAND-AID Adhesive Bandages 29¢

HALF-PRICE SALE!

Tussy WIND AND WEATHER LOTION

REG. \$1.00 SIZE BOTTLE

50¢

LARGE \$2.00 SIZE NOW \$1.00 PRICES PLUS TAX