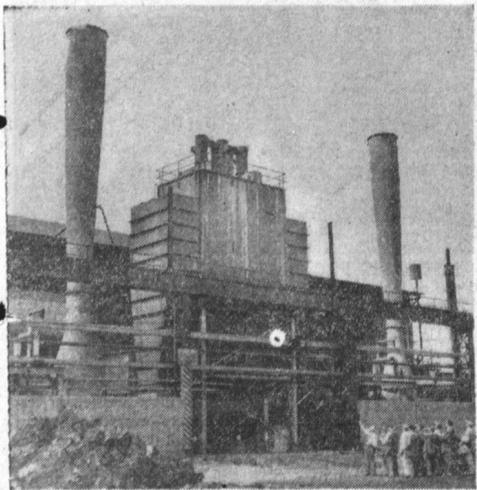


Columbia-Geneva Steel Local Pioneer Industry



SMOG CONTROL FACILITY

Visitors, lower right, watch dramatic demonstration of the electrostatic precipitators installed on four 60-ton open hearth furnaces at the Torrance Works of United States Steel's Columbia-Geneva Steel division. As signal is given, precipitator is temporarily shut off on open hearth stack at left, allowing yellow smoke to belch forth while stack at right remains clean as air pollution control device continues to remove pollutants from its open hearth operation.

United States Steel's basic steel producer in Southern California is the Torrance Works of the Columbia-Geneva Steel division which produces semi-finished steel, structural shapes, plate, hot rolled bars and hot-rolled strip at its 164-acre plant. Most of the mill's products are marketed in this area.

The city of Torrance has virtually grown up around the US Steel Torrance Works. Founded in 1916 as the Llewellyn Iron Works at the request of Jared Sidney Torrance, founder of the city, the mill's first heat of steel was tapped from the plant's original 40-ton open hearth furnace in October of that year. Since then, the original 40-ton open hearth has been enlarged to four 60-ton open hearth furnaces which have produced mill-

ions of tons of steel for world-wide use in peace and three wars. The mill has an annual rated capacity of 224,000 net tons.

The Llewellyn Iron Works was purchased by Columbia Steel corp. in 1923, and in 1930 all properties of Columbia were acquired by U.S. Steel.

Smog Control
The US Steel Torrance Works has many milestones of progress to its credit. Significant among these is the fact that the Torrance Works was the first steel mill in the nation to install electrostatic precipitators to each of its four open hearth furnaces to remove smoke and pollutants from this steelmaking operation. Industrialists, scientists and government officials from throughout the world have been steady callers to Torrance since then to study this trailblazing accomplishment in the battle against air pollution.

The smog control devices have proved so successful at the Torrance Works that similar installations have been made at various other steel mills throughout the country. The precipitators have been operated on a round-the-clock schedule since they were installed in 1951. Rising 60 feet alongside the 126-foot open hearth stacks, the electrostatic precipitators operate like gigantic magnets in purifying smoke and fumes generated in the steelmaking process.

Cooling Tower
In December, 1955, the Torrance Works completed installation of a cooling tower which enables it to conserve approximately 900,000 gallons of water a day in operation of the plant's circulating system. The tower makes possible the re-use of 96 per cent of the total

water circulated with only a 4 per cent makeup requirement in operation of the plant's circulating system which cools rolling mills and other equipment used in the making and shaping of steel.

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Cal Metal's Pipe, Machinery, Mills Go Around the World

Cal Metal corp., which has expanded to 10 times its original size within 10 years, is one of the largest manufacturers of light-weight pipe in the Southwest. The firm also builds machinery and mills for making pipe throughout the world.

The manufactured pipe is used for irrigation, gas and oil lines as well as for the surface casings of oil and water wells.

Head of the local firm located at 1313 W. Sepulveda is Jerry L. Revell, president. Other officers are Charles A. Babbitt and Joseph E. Schlatter, vice presidents; William Schlatter, sales; and James Mabes, treasurer.

Cal Metal was incorporated in 1947 after moving to Torrance from San Pedro. Formerly located on 204th st., the firm moved to its present location three and one half years ago after outgrowing the other site.

Monthly output now is about 2000 tons. The firm is located on a 15-acre site and has about 100 employees.

Pipe manufacturing plants built by Cal Metal are scattered around the world, including South America, England, Scotland, France, Belgium, and the Middle East.

Cal Metal sells to distributors throughout California.

Cal Metal Pipe corp. of Baton Rouge, Louisiana, which produces 10,000 tons a month, is jointly owned by Cal Metal and Stupp Bros. Bridge & Iron co. of St. Louis.

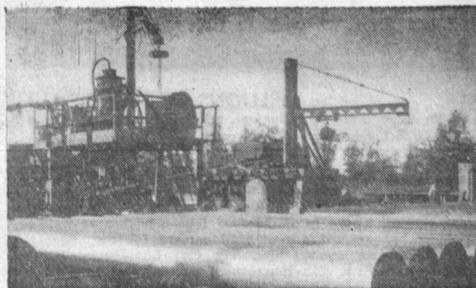
The firm also built a large plant for Israel capable of producing 125,000 tons a year.

All machinery is designed and built by Cal Metal which specializes in the manufacture of heavy metal working machinery.

Among its other notable accomplishments is the production of the largest thru-put pipe mill in the United States which is going to Scotland.

Cal Metal sells to distributors throughout California.

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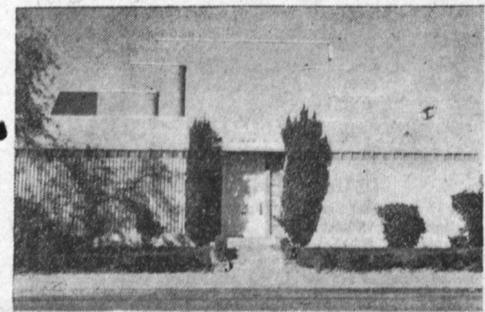


PIPES, PIPE MACHINERY, AND PIPE MILLS
Cal Metal is one of the largest manufacturers of light weight pipe in the southwest and has helped build pipe manufacturing plants throughout the world.—Press Photo.

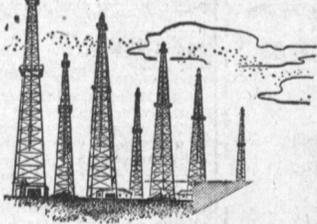
LOCAL FIRM DEVELOPS NEW DIAMOND BLADE

Striving for perfection in diamond blades, Felker Manufacturing co. has seemingly come up with a type far superior to any yet developed. Made especially for cutting concrete, this new blade has improved performance from 26 per cent to 70 per cent over all others tested.

Results are important to all large construction companies involved in the national highway program as well as in airport construction. On these jobs the tremendous concrete ribbons must be partially sliced into large squares by diamond sawing. Extremes of cold and heat



FELKER MANUFACTURING



MEDEARIS

OILWELL

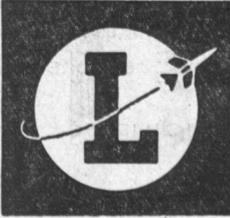
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To
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To
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- AIRCRAFT FABRICATORS "A"
- EXTRUSION BENCH HAND FORMERS
- TOOL, ASSEMBLY or FABRICATION INSPECTORS

If you have any of the above skills and live in Torrance or nearby, you should be a member of the Longren production team!

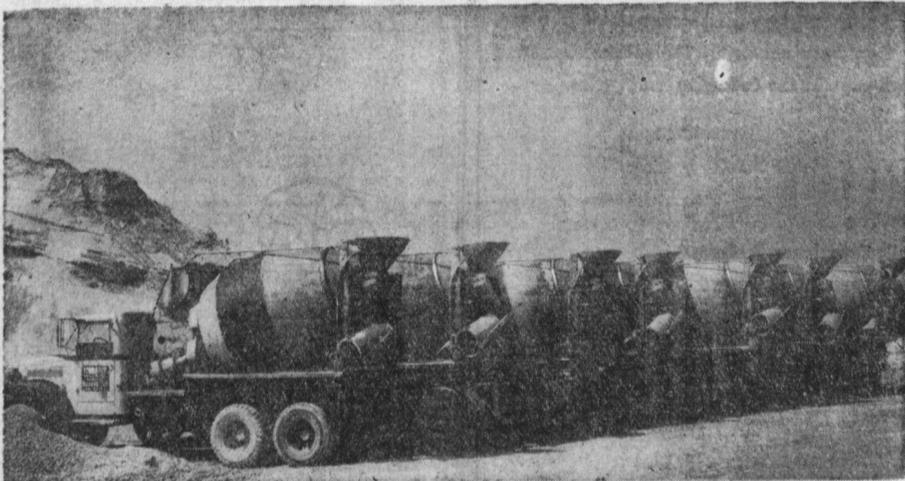
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