



PRIMARY ALUMINUM—Bars of aluminum are loaded on freight cars at the Harvey reduction plant in The Dalles, Ore., for shipment to the company's fabrication mill here and to fabricators at points throughout the U. S.

Harvey Aluminum's Extrusion Presses Largest in the West

In 1945 there were two primary aluminum producers in the United States. Today there are six, including Harvey Aluminum, and the industry's capacity is more than 2,000,000 tons.

Harvey Aluminum's reduction plant at The Dalles, Ore. is one of the most modern in the industry. Located on the Columbia River, the plant was designed by Harvey Aluminum engineers and incorporates the newest equipment and operating techniques known.

All the cells in which the aluminum is made were designed, engineered and built by company personnel.

Primary metal from Oregon is shipped to aluminum fabricators throughout the country and to the company's fabricating mill here.

In the Torrance plant, the company has the largest press range capacity of any extrusion facility in the West.

Included in the broad complement of extrusion presses are a 12,000-ton and an 8000-ton press. The 12,000-ton machine is the largest American-built extrusion press.

Extrusions produced by Harvey are used in thousands of products in such industries as aircraft and missiles, truck-trailer, automotive, building and construction, mobile homes, marine, electrical, and durable goods.

In its forging operation, the

company's battery of presses is used in the production of aluminum forgings for aircraft, automotive, marine and industrial equipment.

The large impact extrusion facility is another example of the company's diversified growth in metalworking. Aluminum impact extrusions produced by Harvey include ordnance components, hydraulic landing gear parts, rocket tubes, rifle scopes and consumer durable goods.

In automatic metal production, Harvey Aluminum operates the largest concentration of automatic screw machines in the West. Production is devoted principally to high volume parts. The facility also is used to make a quality line of plumbing brass fixtures, sold nationally under the division name of Harcraft Brass.

In addition to being a basic supplier of aluminum, Harvey is a fully integrated producer of titanium and zirconium. The company processes both metals from sponge through semi finished and finished mill products.

Titanium mill commodities made by the company are used in aircraft, missiles, marine, chemical and oil applications. The company ranks as one of the three leading producers of titanium in the United States.

The zirconium products made by Harvey are used in the nu-

clear industry to build atomic energy reactors. The company is the nation's leading producer of zirconium mill products.

Because of its technical knowledge in the fabrication of special metals, Harvey Aluminum recently was selected to operate a research facility at Wright Development Center. This operation is devoted to studying refractory alloys: i.e., molybdenum, tungsten, niobium and tantalum.

Harvey factory branches are maintained in major marketing areas throughout the country.

Another important activity at Harvey Aluminum is operation of a research and development division.

Working under security regulations, research and development engages in contract projects for the military and for special commercial assignments.

Fire Alarms Decrease in 1959

Despite the increase in population and building activity, the city's fire department has shown a reduction in alarms for 1959, according to Battalion Chief R. R. Lucas, who also is fire marshal in charge of the fire prevention bureau.

In 1959 there were 791 alarms against 836 for 1958. Resuscitation calls in 1959 increased 35, or 224 against 189 for 1958.

Loss from fire was reduced in 1959. Figures for 1958 show the loss amounted to \$172,000 while last year the amount dropped to \$170,000. Completion of the new alarm office and addition of four communication operators during the year have materially aided in that direction, Lucas said.

Fire alarm calls to homes increased from 192 in 1958 to 156 in 1959. Mercantile alarms showed 15 in 1958 against 22 in 1959; manufacturing calls showed 17 in 1958 and 23 in 1959.

Decreases included grass fires by 60; rubbish blazes, 3; auto fires, 7; oil fields, 3; and false alarms, 6.

Plans for better protection call for relocation of Station 2 from WALTERIA to Torrance Municipal Airport. Added facilities to the station when established will be a drill yard and tower.

Another improvement has been the recommendation of a site in West Torrance for Station 5.

Personnel of the Torrance Fire Department includes 85 men and one woman. Heading the list is Fire Chief J. J. Benner. His immediate assistants are four battalion chiefs: Lucas; Gordon E. Northington, training officer and E. K. Walker and B. C. Slonecker, in charge of fire suppression.

Others are 12 captains, 19 engineers, 45 firemen, four communication officers and Victoria Cionka, secretary to Benner.

Burdick Takes Finance Course

Army Pvt. David L. Burdick, of 1407 Cota Ave., has completed the six-weeks disbursing-specialist course at the Finance School, Fort Benjamin Harrison, Ind.

Burdick received training in methods and procedures used in accounting for receipts and payments by army finance disbursing officers.

He entered the army last August and completed basic training at Fort Ord. He is a 1956 graduate of Torrance High School.

Six dwellings in Torrance were moved to other sites in 1959, according to records of the Torrance Building Department.

Expansion Already Discussed at Company of Mary Hospital

Although Little Company of Mary Hospital was opened Jan. 1 with 130 beds, Mother Mary Patricia, administrator, already is thinking of expansion.

"But that is not for the present," said Mother Patricia. "Torrance and adjoining areas, which are served by the hospital, are fast growing."

One feature of the hospital is 24-hour emergency service. Another is organization of the women's auxiliary, containing 700 members, and the junior auxiliary, with 60 members. They are aids to nurses and do work in other capacities besides take part in fund campaigns which are continual, according to Mother Patricia.

Latest methods in surgery, maternity cases, and pediatrics are employed. The new hospital is under supervision of the Little Company of Mary Sisters, the order that directs the

Little Company of Mary hospital in Evergreen Park, South-Side Chicago.

Both hospitals are constructed in the shape of a cross. The Torrance facility is five stories and will be extended to eight when money permits.

California Now Leader in CARE Food Crusade

For the first time in the 15-year history of CARE, California leads all the states in contributions to its Food Crusade, Edward J. Flynn, western director, announced today.

The Crusade program is one under which CARE sends surplus food to the needy abroad. Contributions in any amount may be sent to CARE, 215 W. 5th St., Los Angeles 13.

There are 205 civic and service organizations in Torrance.

Two Units of Harbor Hospital's Expansion to Be Completed in '60

Two units of the new \$17,000,000 Los Angeles County Harbor General Hospital now under construction at Carson St. and Vermont Ave. are expected to be completed by Jan. 1, 1961, according to Alfred L. Thomas, administrator.

Scheduled for opening next year are heating and laundry rooms. Contracts will be awarded in May for construction of the main units—acute and out-patient. Work on these projects will start in June.

Because of the new scientific methods, the new hospital, which will replace the old structures, will have 600 beds instead of the 750 beds now in the old buildings.

The out-patient building will contain a clinic to which 9000 visits a month will be made. Advanced methods of surgery will be employed, Thomas said. Among them will be open-heart surgery and the use of an iso-

topes for diagnostics. In addition there will be new investigative procedures in the hospital's new laboratories. Private donations are being made for this project.

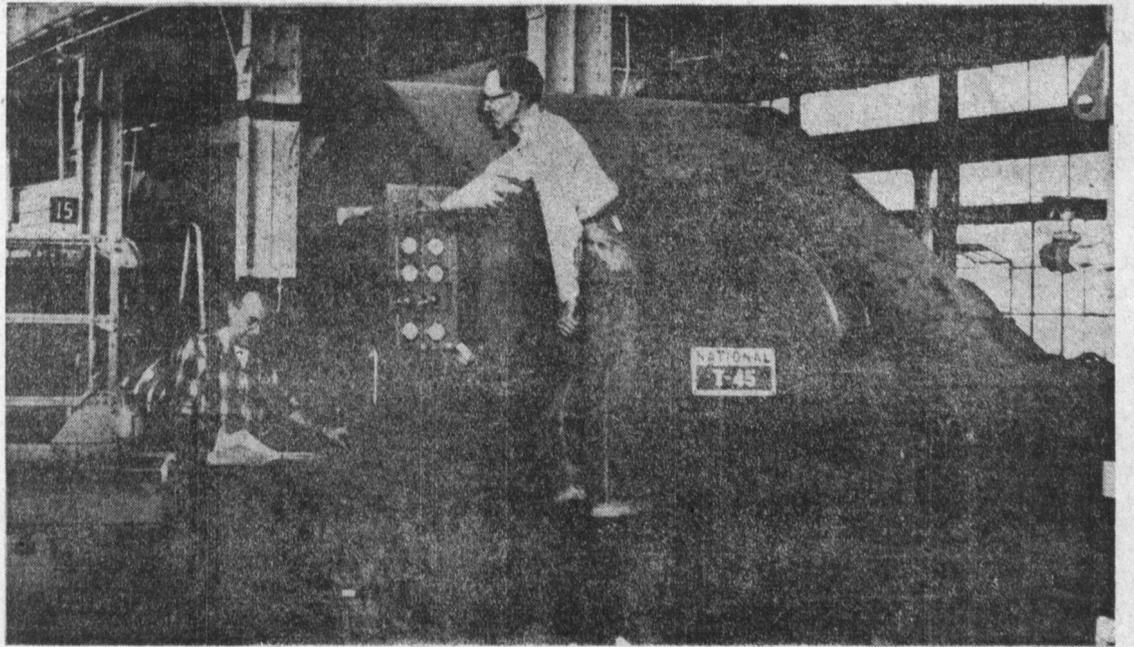
The latest equipment will be used.

"There will be a closely knitted community logistics to facilitate transfer of materials from one department to another. New pneumatic tubes, mechanical lifts, and elevators will be in operation.

"We are building for the future and anticipating a larger load," Thomas said.

Parking will be provided for 800 cars. Vehicles of the employees and medical staff will number 400. There are 100 interns and 20 full-time doctors.

At present 101 buildings are scattered over 58 acres. Some will be retained for services such as laboratory and food supplies. The new buildings will occupy 25 acres.



The draw work of a National Type T-45 Rig is shown under construction in our plant

ALL NATIONAL DRILLING RIGS NOW ARE "MADE IN TORRANCE"

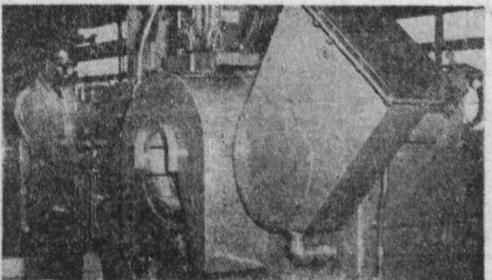
By tradition of many years standing, our Torrance plant has made the National Supply rigs for deep and very deep drilling, including the rigs that established nine of the eleven world's record depths below 15,000 feet. Smaller National rigs, for shallow and medium drilling, have been made at the company's Toledo, Ohio, plant.

Now, with the closing of the Toledo plant, Torrance has begun the manufacture of the company's complete rig line, ranging from the T-12, rated at 200 horsepower, up to the 1625-DE, rated at 2,500 horsepower. Included among the rigs now being made at the Torrance plant are the Type 4-10 and the Type T-45, introduced for the first time at the International Petroleum Exposition in May. The Type 4-10 is the "helicopter rig"; designed for drilling to the 10,000-foot depth, it can be disassembled into components weighing less than 4,000 pounds each, for carrying by helicopter, cargo plane, light truck or tracked vehicle, small boat or barge. The T-45 is an exceedingly compact, versatile rig for the 4,500 to 7,500-foot depth range; it is one of the most powerful rigs that is suitable for trailer mounting.

We are proud to take on the manufacture of the company's "small rigs," not only because this assignment provides additional activity for our plant, but also because it calls attention to the

great capacity and extreme versatility of the plant. Ours is the largest completely integrated manufacturing plant in the west, with a range of equipment, manned by skilled personnel, that enables it to take big, new jobs in its stride. In addition to National oil field machinery and equipment, the plant manufactures products on a contract basis for many other industries.

Established in 1912 as the first industry in the new community of Torrance, the plant has been a part of The National Supply Company since 1920. It has helped win respect throughout the world for the proud words, "Made in Torrance."



Assembling a Two-section Drive Group for a National Type T-45 Rig in Our Plant

TORRANCE PLANT

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