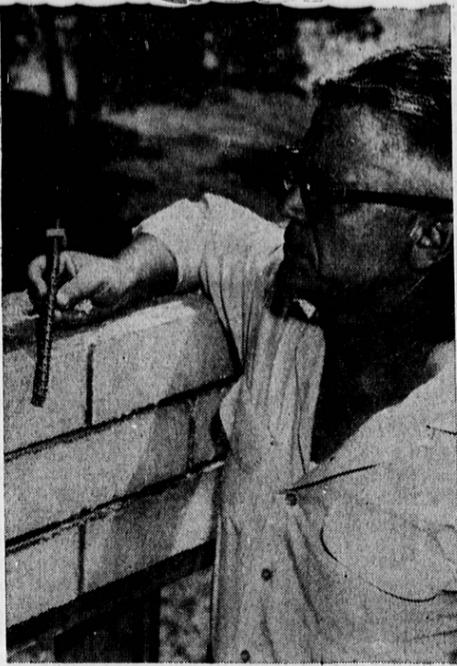


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CONSTRUCTION AID . . . H. A. Croft, right, general supervisor of inspection and testing at the Torrance Works of United Steel's Columbia-Geneva Division, displays new anchor bolt design he invented for the construction industry. Said to be the first design change in 50 years in steel anchor bolts, the new product combines greater strength with ease and economy of manufacture and installation.

Development of New Anchor Bolt Announced by Local Steel Plant

Invention of a new anchor bolt design for fastening wood ledgers and sills to concrete and unit masonry that combines greater strength with ease and economy of manufacture and installation was announced today by U. S. Steel's Columbia-Geneva Steel Division.

Conceived and developed by H. A. Croft, general supervisor of inspection and testing at U.S. Steel's Torrance Works, the new product incorporates the first design change in 50 years in the steel anchor bolts used extensively in the building and construction industries.

Called the Di-Lok anchor bolt, the new product eliminates the bend, or head, at the base of the conventional anchor bolt. This enables contractors to set the sills immediately after pouring the foundations, and to hand place the bolts into the concrete through pre-drilled holes in the sills.

CROFT SAID the simplified placement procedure represents a considerable savings to the contractor in time and labor costs by eliminating the following steps:

1. Prepositioning of bolts in foundation forms before pouring concrete.
2. Pouring concrete around the bolts.
3. Removing suspension wooden washers used to hold bolts in place while pouring concrete.

Rose Float Fund Nears Final Goal

Torrance's entry in the Tournament of Roses Parade has been assured even though a \$450 deficit still exists, according to Chairman George A. Bradford of the sponsoring Torrance Chamber of Commerce.

Bradford says he is hopeful that civic minded firms and community organizations would come forward with the necessary funds so that Torrance can once again "pay its own way."

Bradford, also a Torrance City Councilman, said the Chamber is proud the entry is financed entirely without tax funds.

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Hull Says Local System Better

Seventh and eighth graders get better education in "self-contained" classrooms than they do in departmentalized junior high schools, Superintendent J. H. Hull told the Torrance Education Advisory Committee Monday noon.

The Torrance system of having seventh and eighth graders in the same classroom all day, except for shop and homemaking instruction, makes for a better educational program, he said. He cited studies showing that students do better in "self-contained" rather than departmentalized schools.

ANY TEACHER worth his salt individualizes instruction," Hull said. "Children grow mentally at different rates and

can't be taught out of the same book. It is too easy for the teacher in the departmentalized classroom to fall back on the same book for everybody." He pointed out that the "self-contained" classroom had been adopted here in 1948, after considerable study. The "self-contained" plan not only is more educationally sound, but cheaper to operate, he said, since junior high plants are as expensive as high schools.

HULL ALSO urged TEAC members to "leave church and other organizations a job to do."

"The main job of the schools is to help parents make good said.

Central Church Choir to Sing Cantata Sunday

Mrs. Irene Hoy will direct the 20-voice choir of Central Evangelical Church in a presentation of the cantata "The Story of Christmas" by R. M. Stults at 11 o'clock services Sunday morning.

Accompanied by Mrs. Hilda Findley, organist, soloists will include Winifred Ruppel, Joan Huber, Carol Redhead, Glenn Briney, Carl Pisel, Charles Curtiss, Sonoma Franklin, Maria Redhead and Irene Hoy.

Preceding the cantata, at the regular Sunday School hour 9:30 to 10:45 a.m.

North High Hosts 1200 At Program

Nearly 1200 seventh and eighth graders from nearby schools attended a Christmas program put on by North High School music groups Tuesday. The NHS Choir, Chorus, Girls Glee Club, Band, and Orchestra, combined to put on a program of Christmas music for the elementary school students. Leaders of the musical groups were Robert Jones, Frank Small, Lydia Willis, and Marilyn Steele.

The Christmas music program was one of the methods of acquainting elementary students with high school activities.

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A. Basque with low back, elastic through the waistband for comfort, B and C, 32-36, **12.50**

B. Bandeau with stay down band, A-B-C, 32-36, **\$5**

OPEN EVERY NIGHT UNTIL CHRISTMAS 'TIL 9:30 P.M.

The new foundation bolt will be manufactured from hot rolled round steel bar whose surface is alternately plain and Di-Lok patterned in specific lengths, Croft said.

ROLLED IN THE same manner as the standard 1/2-inch concrete reinforcing bar, the anchor bolt's alternating plain and patterned sections are produced by specially-designed roll passes developed at the Torrance Works.

The rolled bar stock can be supplied to the anchor bolt manufacturer in multiple lengths up to 60 feet. After cutting to anchor bolt length — approximately 10 inches long, with pattern and smooth sections measuring 7 and 8 inches, respectively — the smooth end of the bolt will be threaded for the locking nut.

Elimination of the 1-inch bend at the foot of the anchor bolt will effect considerable savings in production time and equipment, and will also make the finished units easier to ship and store.

COMPARATIVE TESTS conducted in the Torrance Works testing laboratory to establish holding power of the new product proved the Di-Lok anchor bolt's performance equal to or better than that of other bolts now approved under the Uniform Building Code, according to J. V. Schwafel, of U. S. Steel's Market Development Division.

U. S. Steel is now experimentally producing the same type of anchor bolt in larger sizes at Torrance.

Medical Help Planned by SDA Church

Members of Torrance Seventh-day Adventist Church, will be encouraged to "give your best gift to Jesus this Christmas", Saturday, Dec. 19, as the local congregation shares in helping begin medical work in the country of Ceylon.

"No greater Christmas gift, no more important gift can be given by our church this Christmas than the gift of help to the hundreds of thousands of medically needy persons in this Southeast Asian country," Betty Muths, Senior Division Superintendent, said in announcing the special program to be held at 9:30 a.m.

Mrs. Muths said funds received Saturday morning will help open an Adventist medical unit at the request of the Ceylonese people to care for uncounted persons in that country suffering from all forms of disease.

"The gift our church will make to this needy country is only expressive of what Christ has told the Church is its duty in every land and at all time — to bind up the wounds, to soothe the sorrow, and to give light to the blind," said Mrs. Muths.