

ROTOJET®

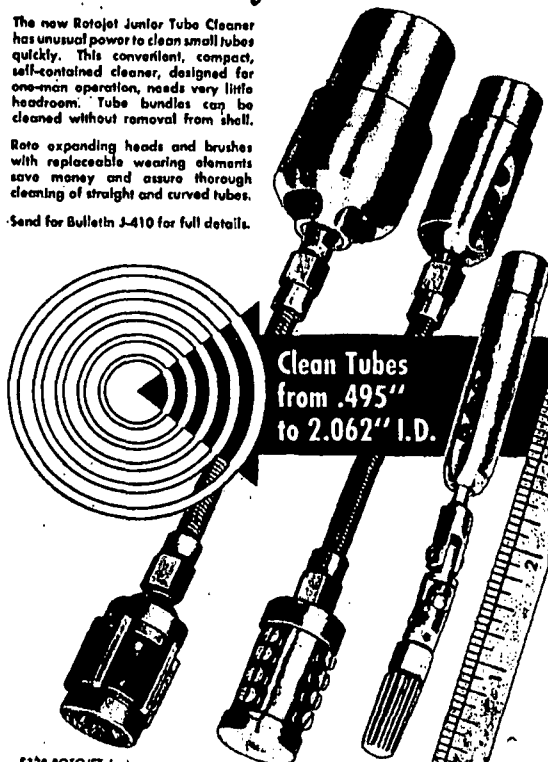
Junior TUBE CLEANERS

for SMALL TUBES

The new Rotojet Junior Tube Cleaner has unusual power to clean small tubes quickly. This convenient, compact, self-contained cleaner, designed for one-man operation, needs very little headroom. Tube bundles can be cleaned without removal from shell.

Roto expanding heads and brushes with replaceable wearing elements save money and assure thorough cleaning of straight and curved tubes.

Send for Bulletin J-410 for full details.



532B ROTOJET Junior
Water-driven Motor,
flexible coupling, and
expanding scraper

C434 ROTOJET Junior
Air-driven Motor, flex-
ible coupling, expanding
brush

532 ROTOJET Junior
Air-driven Motor, cone
cutter, universal joint



ELLIOTT COMPANY-ROTO DIVISION

133 Sussex Avenue

Newark 1, N. J.

More POWER NEWS

aging Director and Chief-engineer Brown-Doveri & Co. Ltd. Since his retirement in 1946, he has served the firm in an advisory capacity and as rector of the board.

Electronic 'Brain' Runs Automatic Elevators

► AN ELECTRONIC "BRAIN" that makes elevator service completely automatic was demonstrated recently in New York. The electronic traffic analyzer and automatic program selector are similar to control equipment now being installed by Otis Elevator Co in new and modernized buildings.

Since the new Autotronic elevator permit savings up to \$7000 or more per elevator per year, building owners and managers are showing increased interest in the new system. Otis is now installing its system, complete with automatic program selection, in the 17-story Railway Exchange Building in Chicago and has similar contracts for other new and modernized buildings. Actually, over 80% of 1953 sales are for operatorless elevators.

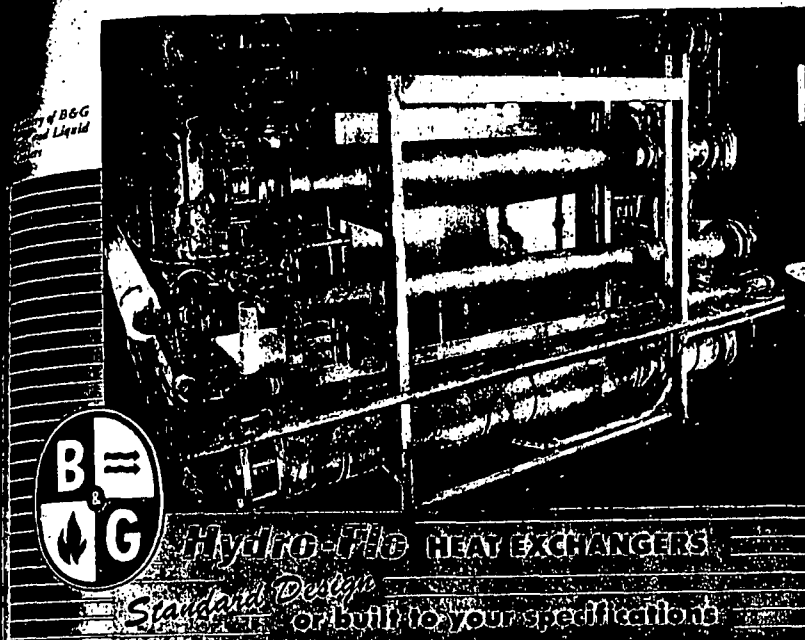
As first offered by Otis in 1948, Autotronic group supervision dispatched a bank of elevators according to a program selected by the starter. Six programs were available: Up-peak, Down-peak, Balanced up-down, Heavier down, Heavier up, and Intermittent. An electronic analyzer and automatic switch-over device went into action during heaviest part of down-peak and put the elevator on "Zone Return" to prevent poor service to lower floors.

Now, with automatic program selection, the traffic analyzer continuously records passenger calls and waiting time data. The selector then puts into effect the appropriate dispatching program and interval. When the traffic pattern changes, the control system promptly adjusts elevator service accordingly. Under the new system, Autotronic operated elevators handle all traffic conditions without any human intervention whatsoever. From the owner's standpoint, automatic program selection is an investment in improved elevator service.

New Zealand Taps Underground Steam for New Power Source

GOVERNMENT ENGINEERS of New Zealand are now using oil well drilling equipment in an attempt to tap veins of live steam in underground zones of thermal activity known to exist on North Island. Pools of boiling mud, geysers and other surface disturbances have

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B & G Hydro-Flo Heat Exchangers are made in so wide a capacity and utility range that many requirements can be satisfied with standard units. If, however, special designs or materials are necessary, B & G equipment can be built to your specifications. The B & G engineering staff is always ready to assist in every way possible.

Whether standard or special, you'll find that B & G Heat Exchangers will meet your most critical appraisal. Sound design, backed by painstaking workmanship and rigid inspection assure equipment of top efficiency and long life. B & G Hydro-Flo Products deliver more value per dollar because they are built that way!

B & G Hydro-Flo shell-and-tube heat exchangers are available in the following types:

Straight and "U" Bend Tube Heat Exchangers • Fuel Oil Preheaters • Tank Suction Heaters • Aftercoolers • Gas Coolers • Water Heaters • Refrigeration Condensers and Evaporators.

SEND FOR CATALOG DM-1150

BELL & GOSSETT

C O M P A N Y

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Canadian Licensees: J. A. Armstrong Ltd., 1100 O'Connor Drive, Toronto, Canada

Two single pass, counter flow B & G Heat Exchangers for series operation.

High pressure B & G Heaters with fixed tube sheets and expansion joint design.

B & G CENTRIFUGAL PUMPS
Complete line for application in process industries and refrigeration and air conditioning installations. Send for catalog.

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