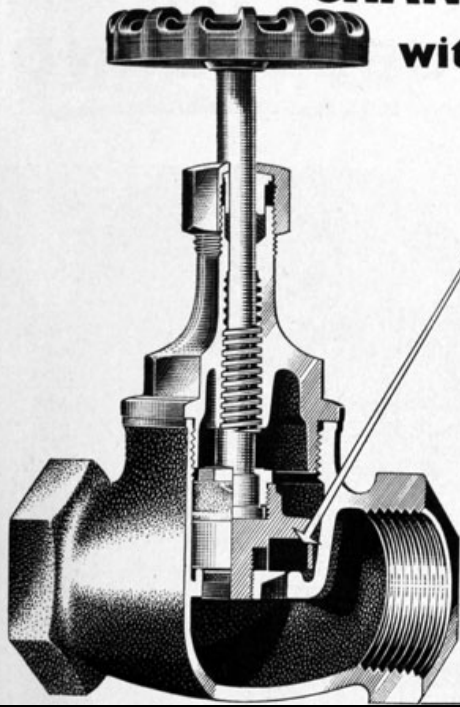


CRANE BRONZE GLOBE VALVES

with renewable composition disc

SCREWED OR FLANGED



No. D5

SIZES:

Screwed— $\frac{1}{2}$ " to 2". Flanged $\frac{1}{2}$ " to 2".

WORKING PRESSURES:

Screwed saturated steam up to 125 pounds. Cold services up to 200 pounds.

The Crane Renewable Disc Check Valve is recommended for use with all these valves.

SEND FOR

CRANE BOOKLET No. 380

An important feature of these versatile valves is the Crane composition disc which is easily removed for renewal. When equipped with a suitable disc these well proportioned valves are recommended for a wide range of services—steam and hot water lines as well as cold services such as water, oil, gas and air. They can also be specially packed for petrol service and in all cases can be repacked under pressure. The bonnet is screwed into the body with a righthand thread which, with the shoulder joint, secures tightness when the valve is subjected to its maximum working pressures or pipe line stresses. Screwed or Flanged valves are available. (Screwed British Standard Taper Threads—or to American Standards. Flanged in accordance with British Standard Tables 'D' and 'E' diameters—or to American Standards.)

CRANE VALVES OF BRONZE,
CAST IRON AND CAST STEEL

CRANE LTD., 15-16 RED LION COURT, FLEET STREET, LONDON, E.C.4. Works: IPSWICH
Branches: Birmingham, Brentford, Bristol, Glasgow, London, Manchester

18

1958

CRANE COMPANY

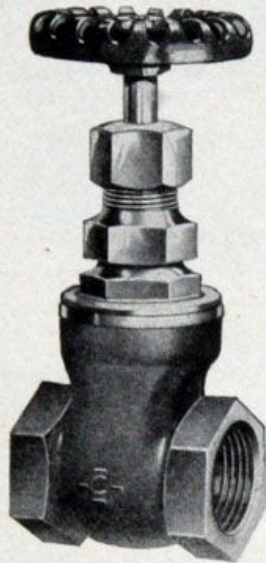
VALVES

CIBSE Heritage Group

FROM THE RAW MATERIAL TO THE FINISHED ARTICLE

VALVES...

Into the design of Crane valves have gone the results of exhaustive investigation of engineering needs. Into their manufacture goes the best materials and workmanship, and at each production stage, from the first laboratory check upon materials to the final finishing operation, the greatest care is exercised to ensure a faultless product. Cast iron, cast steel and gunmetal valves are included in the Crane range.



THE CRANE DI59 GUN METAL GATE VALVE
with solid taper disc

This valve is designed for general service on hot and cold water lines. It is robustly made and assures a high factor of safety. Repacking can be carried out while the valve is under pressure. For steam working pressures up to 150 lbs. per sq. inch. Water, non-shock up to 300 lbs. per sq. inch.



Part of the Crane Laboratory in which chemical analysis of raw materials and testing of products are constantly in progress.



General view of the Crane Gun Metal Valve Machine Shop.

CRANE

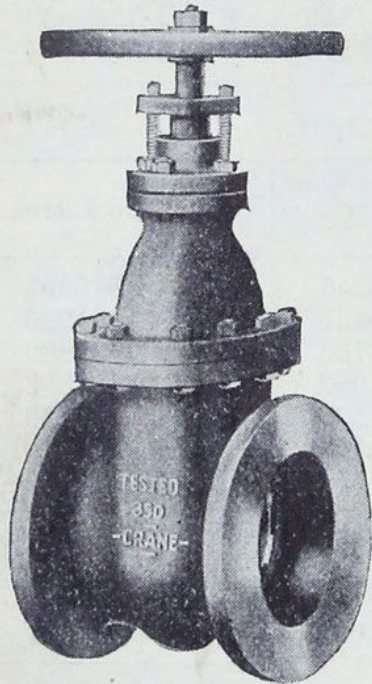
VALVES FOR STEAM, WATER, OIL AND AIR

CRANE LTD., 45-51 LEMAN STREET, LONDON, E.1. Works: IPSWICH
BRANCHES: BIRMINGHAM, BRENTFORD, BRISTOL, GLASGOW, MANCHESTER

VALVES

AND ALL THE OTHER FITTINGS YOU REQUIRE FOR THE PIPELINE

CRANE Valves and Fittings comprise a comprehensive range of types and sizes that meets every pipeline requirement. They are made to British Standards—and they are made under modern



Gun Metal wearing parts

conditions in a factory that employs progressive methods for ensuring quality and reliability.

CRANE CAST IRON WEDGE GATE VALVE No. F.62

This valve, which is but one of many types included in the Crane range, can be supplied with either flanged or screwed ends. Steam working pressures up to 150 pounds—water, oil or gas, non-shock, up to 225 pounds. Sizes: Flanged Type 2" to 12"—Screwed Type 2" to 6". A valve of similar pattern, but of medium weight, Sizes 2" to 6" is also available.

Besides Valves of many types, Crane pipeline equipment includes Malleable Iron Pipe Fittings, Flanges, Unions, Steam Traps, Fabricated Pipe-work etc. All Crane screwed fittings have taper threads.

CRANE

VALVES, FITTINGS & HEATING EQUIPMENT

CRANE LTD., 45-51 LEMAN STREET, LONDON, E.I. Works: IPSWICH
Branches: Birmingham, Brentford, Bristol, Glasgow, Manchester

"Did you say Crane giant valves
helped to make my nightie?"



THE surprised Miss in the picture finds it difficult to associate her pretty Nylon nightie with Crane giant valves. However, at the British Nylon Spinners factory these valves are performing jobs of vital importance during the early processing stages of the raw materials which go into the manufacture of Nylon. The industries which Crane giant valves serve are varied and numerous . . . and the giant valve is only one among a wide variety of Crane valves for high and low pressures—ranging from ½" to 24"—each with a tradition of reliable, efficient service. Crane's reputation for reliability lies in their high standard of design, production and precision testing methods.

* * * * *

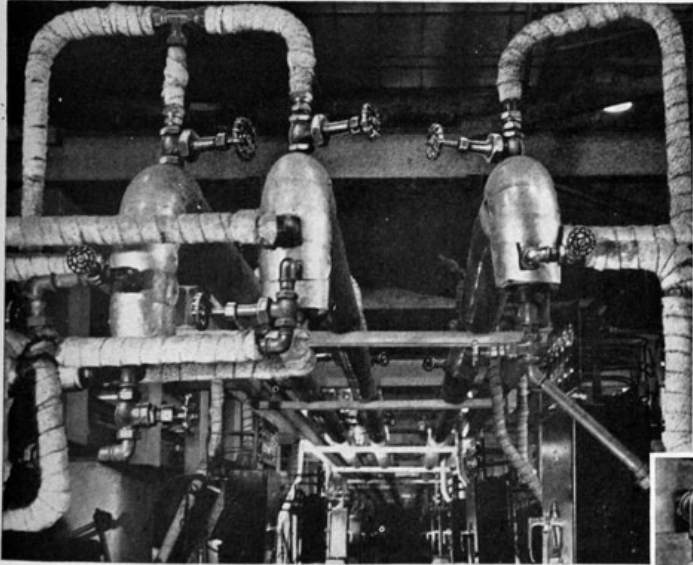
Among the country's largest industries using CRANE giant valves are:—Esso Petroleum Co. Ltd. · Imperial Chemical Industries Ltd. · 'Shell' Refining & Marketing Co. Ltd. · Reed & Smith Ltd. · British Nylon Spinners Ltd. · Pfizer Ltd. · Firestone Tyre & Rubber Co. Ltd.



CRANE VALVES OF BRONZE, CAST IRON & CAST STEEL

CRANE LTD 15-16 RED LION COURT, FLEET STREET, LONDON, E.C.4. WORKS: IPSWICH Branches: Birmingham, Brentford, Bristol, Glasgow, London, Manchester

1958

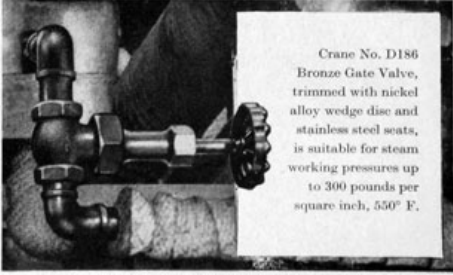


Once again,
valves by Crane

At the Firestone Tyre & Rubber Co. Ltd., their latest Tyre Vulcanizing Press is almost entirely automatic. A plant of this type must not be delayed due to valve failure, and naturally the Firestone engineers selected Crane valves to ensure a high standard of service and dependability. Their choice for this plant was the Crane No. D186 Bronze Gate Valve. Important features of this valve are that it has a union bonnet, nickel alloy wedge disc and stainless steel seats. The confidence placed by engineers in Crane products is emphasised by this association with Firestone—for here Crane valves are playing an important part in one of the latest examples towards automation in industry.

024 A section of the Bag-o-matic Tyre Curing plant featuring Crane No. D186 valves.
(Photograph by permission of The Firestone Tyre and Rubber Co. Ltd.)

CRANE
VALVES OF BRONZE, CAST IRON AND CAST STEEL



Crane No. D186 Bronze Gate Valve, trimmed with nickel alloy wedge disc and stainless steel seats, is suitable for steam working pressures up to 300 pounds per square inch, 550° F.

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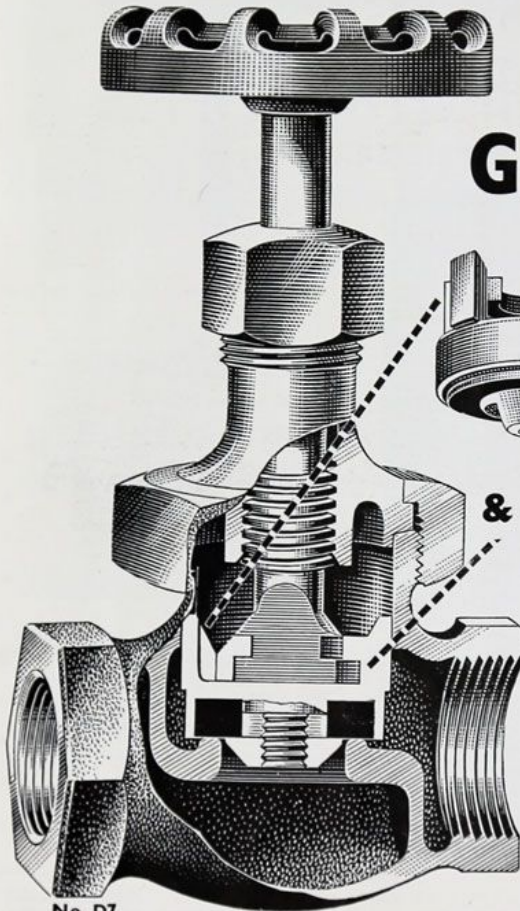
1958

ANOTHER IMPORTANT CRANE FEATURE

BRONZE GLOBE VALVES

—WITH THE
**renewable
disc holder
& composition disc**

SCREWED OR FLANGED



No. D7

SIZES: Screwed— $\frac{1}{4}$ " to 3". Flanged— $\frac{1}{2}$ " to 3"

WORKING PRESSURES: Screwed, saturated steam up to 200 pounds. Cold services up to 400 pounds.

The Crane Renewable Disc Check Valve is recommended for use with these valves.

SEND FOR CRANE BOOKLET No. 380

An important Crane feature—the renewable disc holder—makes it possible for the engineer to renew the disc on any size valve in this wide range *quickly and easily*. A leak due to a worn disc can be quickly overcome by installing a spare disc holder complete with a new disc. (See illustration). A new disc can then be placed in the original holder at the engineer's convenience for later service. When equipped with a suitable disc, these valves are recommended for a wide range of services—steam and hot water lines, and cold services such as water, oil, gas or air. When wide open, the valves can be repacked under pressure. They can be specially packed for petrol service.

SIZES 2" AND SMALLER HAVE A UNION BONNET—larger sizes a bolted bonnet, inside screw. Both types can be easily dismantled and re-assembled without damaging the valve. Screwed or Flanged patterns are available. (Screwed British Standard Taper Threads—or to American Standards. Flanged in accordance with British Standard Tables 'D', 'E', 'F' or 'H' diameters—or to American Standards.)

CRANE VALVES OF BRONZE, CAST IRON & CAST STEEL

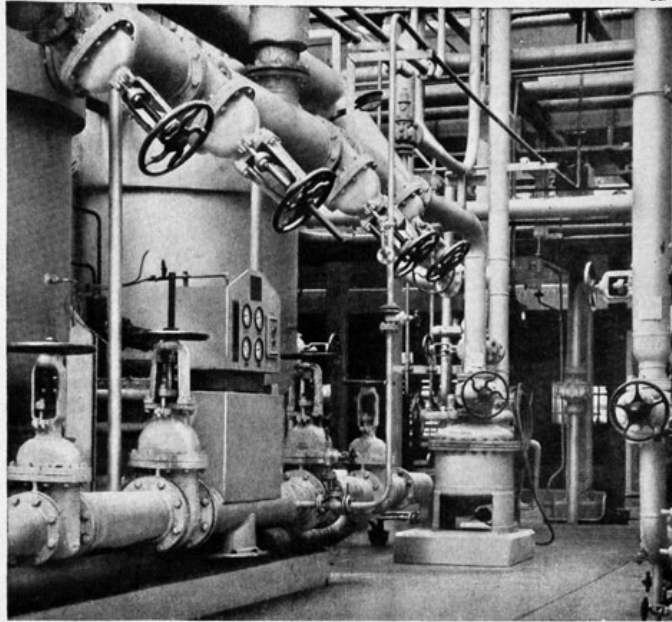
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Branches: Birmingham, Brentford, Bristol, Glasgow, London, Manchester

V.3

Once again, valves by Crane

The new Olefine Plant — the second of its kind — has been built in the heart of Wilton Works for the Billingham Division of Imperial Chemical Industries Limited. Here important raw materials are manufactured for the other I.C.I. plants; and here working under arduous conditions (extremes of temperature) are many Crane valves. As on the first Olefine Plant, this new plant has Crane steel valves up to 16 inch. Here is proof once again of industry's reliance on Crane's dependability and performance, a reliance based on modern production methods, individual factory testing and high grade materials which go into every one of the Crane products. This plant was designed and installed by Kellogg International Corporation.

CRANE
VALVES OF BRONZE
CAST IRON & CAST STEEL



CRANE LTD., 15-16 RED LION COURT, FLEET ST., LONDON, E.C.4. Works: IPSWICH. Branches: Birmingham, Brentford, Bristol, Glasgow, London, Manchester

1958

ONCE AGAIN VALVES BY CRANE

At the Somerset works of Normalair Ltd. a large and well laid out plant is employed in manufacturing most of the pressurized air equipment in use in the Aircraft Industry today. A very high proportion of the valves and fittings installed here are by Crane. Their job is to control the main air supply from the compressor to the pipe lines leading to various parts of the plant. The accompanying illustration shows a group of six inch No. F52 cast iron gate valves with bronze trim, and various patterns of cast iron flanged fittings. Their high efficiency and dependability combine with well-planned grouping to give quick, easy and reliable service at all times.

Installation by W. F. Knight & Sons Ltd., Yeovil, Contracting Engineers.

CRANE

VALVES OF BRONZE, CAST IRON AND STEEL

CRANE LTD., 15-16 RED LION COURT, FLEET STREET, LONDON, E.C.4 WORKS: IPSWICH
 Branches: Birmingham, Brentford, Bristol, Glasgow, Leeds, London, Manchester

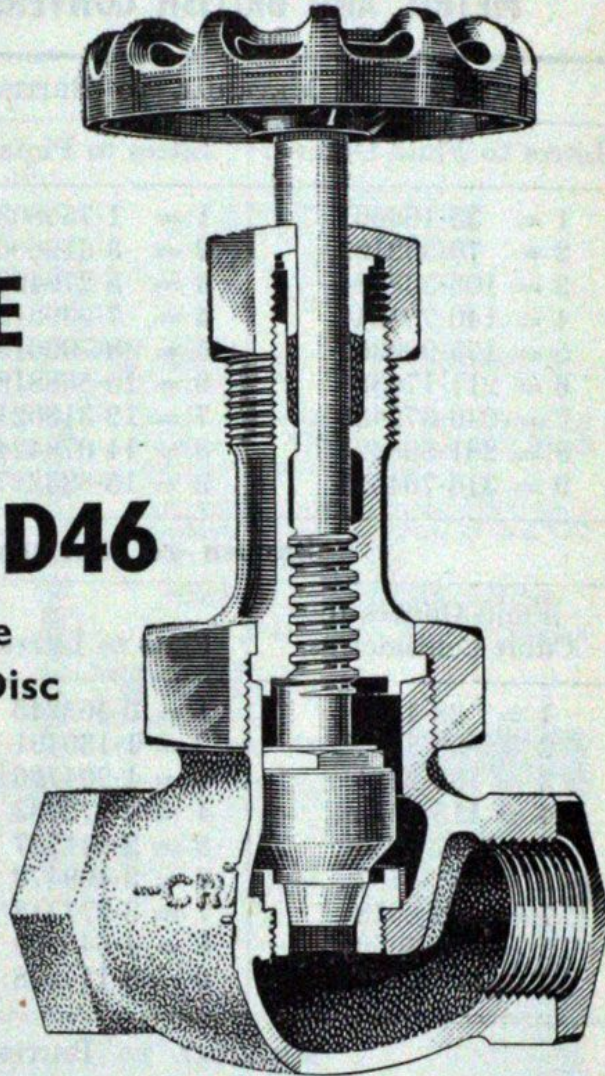
1960

THE CRANE BRONZE GLOBE VALVE D46

with renewable
Nickel Alloy Disc
and stainless
steel seat ring

For working pressures
up to 250 pounds
(steam 500°F); 500
pounds (water, oil or
gas, cold, non-shock).

Hexagon ends with British Standard taper threads—or to
American Standards. Sizes: $\frac{1}{4}$ " to 3" (Sizes $2\frac{1}{2}$ " and 3" have
bolted bonnets). Flanged patterns also available.



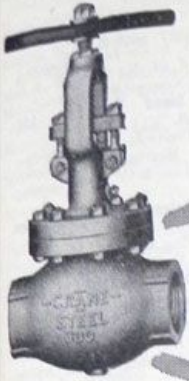
CRANE

VALVES OF BRONZE, CAST IRON AND CAST STEEL

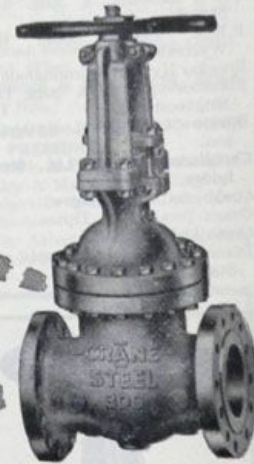
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V17

CRANE valves



in Cast Steel



and Forged Steel



Crane gate, globe and check valves are particularly well suited for high-pressure, high-temperature and sub-zero services and are used throughout the world in long distance pipe lines, in modern industrial plants, central power stations and oil refineries. In cast steel they cover a wide range of sizes, up to 24 inch, 150, 300 and 600 pound; in forged steel sizes are up to 2 inches, 600 pound. Crane also manufacture Bronze Valves and Cast Iron Valves.

V.20

CRANE VALVES & FITTINGS FOR ALL INDUSTRIES

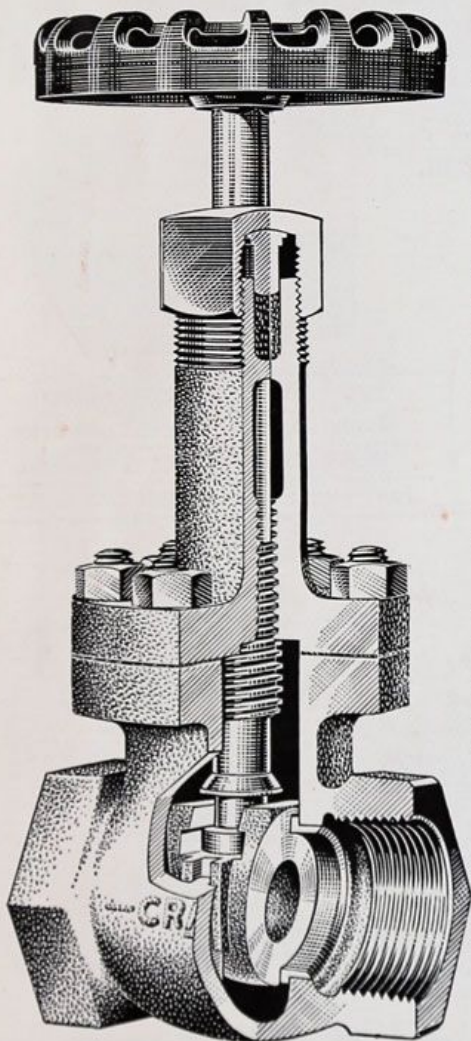
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THIS FOR THE NEW PLANT?
S.K.



BULLETIN ON CRANE NICKEL ALLOY WEDGE
DISC BRONZE GATE VALVES

...featuring the D186—with
stainless steel seats.



This high pressure Bronze Valve is designed to take steam pressures up to 300 pounds (temperatures up to 550° F) as well as water, oil or gas, cold, non-shock services up to 1,000 pounds. The body and bonnet are cast from high grade bronze and the Nickel Alloy solid wedge disc and stainless steel seats are especially resistant to wear. Back-seating allows the valve to be repacked while fully open under pressure.

Hexagon ends with British Standard taper threads or to American Standards. Non-heat handwheel; Rising Stem. Sizes: $\frac{1}{4}$ " to 2".
Sizes $\frac{1}{4}$ " to 1" have a union bonnet.

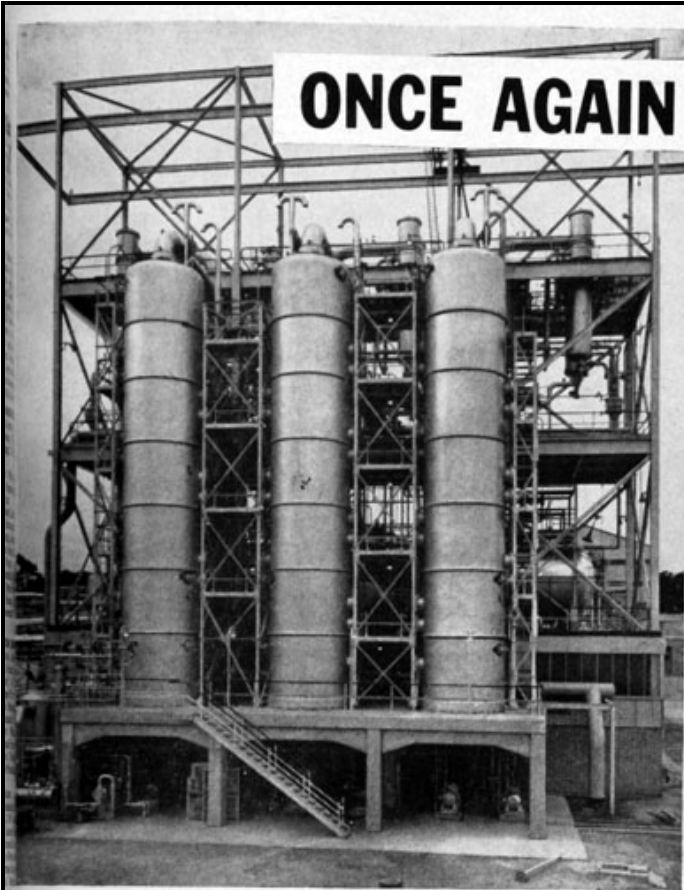
CRANE

VALVES OF BRONZE
CAST IRON AND STEEL

CRANE LTD., 15-16 RED LION COURT, FLEET STREET,
LONDON, E.C.4 Works: IPSWICH

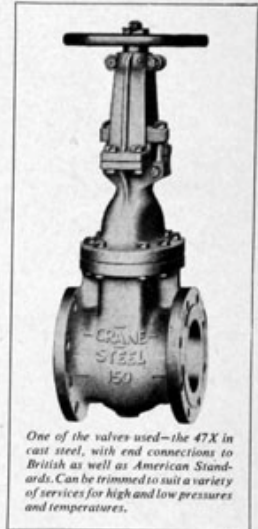
Branches: Birmingham, Brentford, Bristol, Glasgow, Leeds, London, Manchester

ONCE AGAIN VALVES BY CRANE



The new plant of The International Synthetic Rubber Company Ltd. at Hythe on Southampton Water is now in production in a big way. Once again Crane valves are playing an important part. The illustration *left* shows the recovery building, where the steam lines to the Styrene Strippers have been fitted with Crane 12 inch, 10 inch and 6 inch cast steel gate valves. In the administrative buildings too, Crane equipment is used, the central heating and domestic installations being very largely fitted with Crane Bronze Globe and Gate Valves. More and more industries are discovering that the name of Crane is synonymous with dependability.

INSTALLING ENGINEERS:
Matthew Hall & Co. Ltd., London



One of the valves used—the 47X in cast steel, with end connections to British as well as American Standards. Can be trimmed to suit a variety of services for high and low pressures and temperatures.

030

CRANE

VALVES OF BRONZE, CAST IRON & STEEL

CRANE LTD., 15-16 RED LION COURT, FLEET STREET, LONDON, E.C.4. WORKS: IPSWICH

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1960