

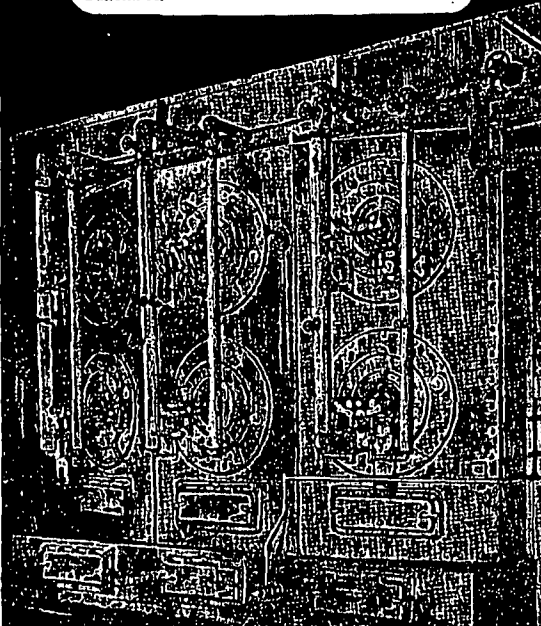
DUAL CONTROL means ECONOMY

with NATIONAL AIROIL Universal Registers
AND TYPE "S-A-L" OIL BURNERS

... and economy means that you get better performance with NATIONAL AIROIL Universal Registers because they have a dual feature for controlling air volume independent of turbulence. Air vanes can be instantly reversed to change direction of turbulence while air volume is separately regulated by a refractory faced disk control. Both adjustments can be made while the Type "S-A-L" Oil Burner is firing.

Another "dual advantage" of NATIONAL AIROIL Universal Registers is that they are equipped for dual fuel firing of gas and oil.

Universal Registers with Type "S-A-L" Burners are available in three (3) sizes ... capacities up to 60,000 lbs. of steam produced per burner per hour. Write for Bulletin 51.



NATIONAL AIROIL BURNER INSTALLATION
BRITISH AMERICAN OIL COMPANY

NATIONAL AIROIL BURNER CO., INC.

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Southwestern Division: 2512 South Boulevard, Houston 6, Texas

INDUSTRIAL OIL BURNERS, GAS BURNERS, FURNACE EQUIPMENT

More TECHNICAL BRIEFS

Registries on page 154

code is not sufficiently detailed for practical application. This paper reports on progress toward the preparation of a comprehensive standard for such work. It is intended to cover proper methods and procedure for the layout, installation and testing of piping systems for distributing fuel gas within the premises of an industrial plant.

Eventually this may be used as the basis for American Standards to cover installations of consumer-owned gas piping and equipment on the premises of industrial and commercial consumers—those not now covered by A.S.A. 221.30-1950, which pertains to the installation of gas piping and appliances in building, but which covers only residential and commercial consumers and applies only to gas at low pressure (not in excess of $\frac{1}{2}$ psi).

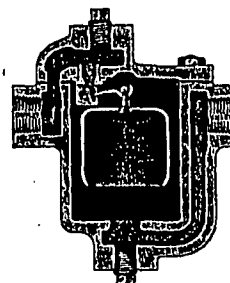
The Public Utility Industry has been promoting the application of manufactured and natural gases to industrial heating processes ever since the early years of World War I. The use of gaseous fuels for such purposes has expanded at an ever increasing rate, so that in 1952 gas sales to industries in the United States amounted to 28½ billions of therms (100,000 Btu), representing over one-half of all gas utility sales and approximately one-fourth of the gas utilities total revenues.

Despite the great increases in the use of gas in industry throughout these many years, there remained a great need for practical rules or regulations—"code" if you please—to govern the installation of gas piping or gas utilizing equipment to promote safety and user satisfaction in industrial plants. It was accordingly decided only about a year and a half ago, in April 1952, that one of the newer committees in the Industrial and Commercial Section of the American Gas Association—namely, the Industrial Gas Practices Committee—should assume the task of preparing a detailed outline covering standard requirements for industrial consumers' gas piping systems. Furthermore, it is the hope of the Section that this Committee's work in this regard might eventually serve as a basis for a new American Standard covering gas piping in industrial plants in particular as well as all consumer-owned gas piping carrying pressures in excess of one-half pound per square inch gauge.

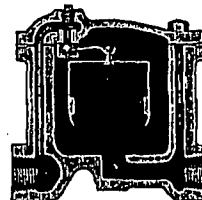
Since the preparation of a set of ASA standards is a rather involved and lengthy procedure, the Industrial Gas Practices Committee prepared and published an interim coverage of this subject in the form of Information Letter No. 48, sent to members of the Amer-

DOUBLE DRAINAGE

AT LOWER COST WITH



CLARK 60-D TRAP



CLARK 70-D TRAP

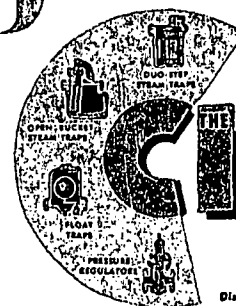
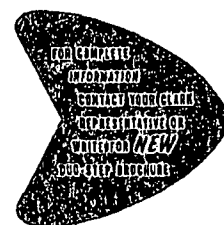
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Duo-Step is the revolutionary double fulcrum principle that affords maximum leverage to "crack" the valve from the orifice seat, teamed with "Follow-through" power that opens the orifice completely. This double action actually gives you double the drainage capacity of ordinary steam traps.

MODEL 60-D traps are of cast semi-steel construction, designed for pressures up to 200 P. S. I. and temperatures to 400° F. Duo-Step levers and brackets of stainless steel construction. Seats and discs are of Clark-loy. $\frac{1}{4}$ " or $\frac{3}{8}$ " horizontal inlet and outlet connections with $\frac{1}{4}$ " test outlet and drain plug. Vertical inlet can be furnished in $\frac{1}{2}$ " or $\frac{3}{4}$ " size.

MODEL 70-D traps are of cast semi-steel construction, designed for pressures up to 200 P. S. I. and temperatures to 400° F. All working parts of stainless steel construction. Seats and discs are of Clark-loy Horizontal inlet and outlet connections located at bottom of trap body for close-to-the-floor installations.

MODEL 70-TD for pressures to 150 P. S. I. and temperatures to 375° F. is available WITH BUILT-IN THERMAL BY-PASS at additional cost.



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