

Underground Steam Construction Co.

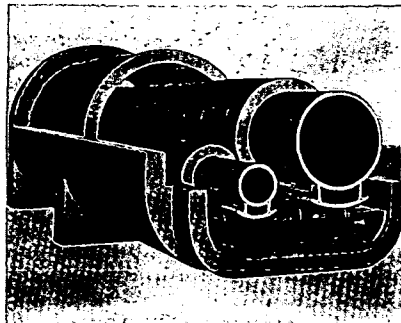
75 Pitts Street, Boston, Mass.

PRODUCTS—Underground Steam Conduits. Engineering and Contracting of Steam Line Installations.

USCCO PRE-CAST CONCRETE CONDUIT

This unit marks a long step forward in the economics and mechanics of laying underground steam lines.

Its Outstanding Features Are:



Strength resulting from flat reinforced bell; from the longitudinal joints, and from the fact its sections are 4 feet long, reducing the usual number of joints necessary.

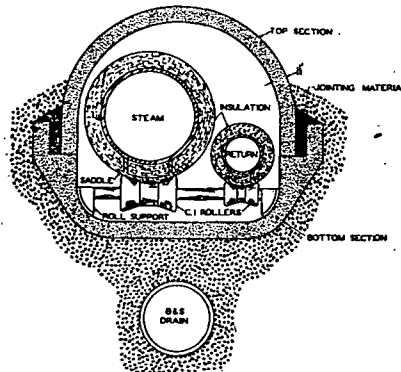
Shape which allows 12 per cent greater inside capacity than circular conduit of like diameter. This permits larger pipes in a given size conduit and more room for drainage, pipe supports and rolls.

Ease of Installation resulting from the fact that all top and bottom halves mate. Bottoms may be laid for any distance, the piping installed and then the tops brought up and laid. This speeds up the work and protects idle halves from damage. They can be stored away from the job.

Materials are high strength cement with suitable aggregate, amply reinforced with wire mesh.

Pipe Supports are of cast-iron and quickly installed. They may be placed anywhere in the conduit. The weight of the pipe holds them in place.

Joints may be of any standard accepted brand of jointing compound or they may be of standard Portland cement mortar.



Builders Iron Foundry

9 Coddling Street

Providence, R. I.

Representatives in Principal Cities

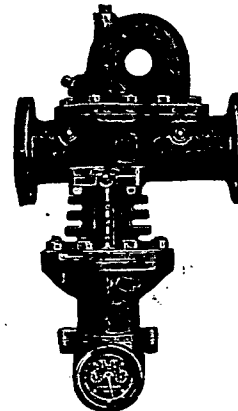
The **VENTURI METER** for water supply, boiler feed and other main pipe lines.
The **CHRONOFLO ELECTRIC FLUID METER** for long distance transmission of flow rates, quantities, pressures, temperatures, etc.
The **SHUNT METER** for steam, air and gas.



THE CHRONOFLO ELECTRIC FLUID METER

"From hundreds of feet to hundreds of miles"

The Chronoflo has introduced new features to the field of metering. Four common electric units are utilized: the synchronous motor; the mercury switch; the magnetic relay; the magnetic clutch. Electric impulses of variable time intervals proportional to rates or positions are transmitted by the primary unit to the receiver gauge. Regular A.C. current is used and accuracy is not affected by voltage variation. Suitable for intramural or long distance transmission over regular telephone channels.



Shunt Steam Meter, Type K.S.

THE SHUNT METER

Distinctly filling the need for a low priced, practical, mechanical, meter easily installed and accurate over a wide range. For measuring steam sold or in checking distribution of steam (also air or gas) to buildings, departments or processes. The illustration shows the complete meter. Installation consists simply of bolting to flanges in the flow line; no connecting pipe or electric wiring. A portion of the entering steam is deflected by an orifice through nozzles against the blades of a turbine located in the upper or shunt passageway. The speed of the turbine is kept low by a damping fan on the vertical turbine shaft, at the bottom end of which is a magnetic drive to the totalizer dials. The meter is installed as a unit in 2, 3 and 4-inch lines; for larger capacities the installation is made in a by-pass around an orifice in the main line.

	Steam Pressure Lbs. per Sq. In. Gauge	Rated Capacity of Saturated Steam—Lbs. per Hour (Meters with largest orifice)						
		2" Meter	3" Meter	4" Meter	6" Meter	8" Meter	10" Meter	12" Meter
Low Pressure Meters	0	600	1,400	2,530	5,660	9,850	15,200	19,000
	5	800	1,900	3,350	6,500	11,300	17,500	21,800
	15	1200	2,750	4,750	7,860	13,700	21,100	26,300
	30	1650	3,400	5,850	9,550	16,600	25,600	31,900
	50	2000	4,050	7,000	11,400	19,800	30,500	38,000
Standard Meters	50	2650	6,000	10,600	22,200	39,000	60,500	75,500
	100	4150	9,500	16,600	29,000	51,000	79,200	99,000
	150	5000	11,400	20,000	34,400	60,500	94,000	117,000
	200	5700	13,000	22,700	39,000	68,600	107,000	133,000
	250	6300	14,400	25,200	43,200	76,000	118,000	148,000
Extra Heavy Meters	275	6600	15,200	26,500	45,000	79,400	123,000	154,000
	300	6900	15,700	27,500	46,800	82,500	128,000	160,000

Minimum Capacities equal one-tenth tabulated quantities. Many other intermediate capacities available. Bulletin No. 255 gives complete information.