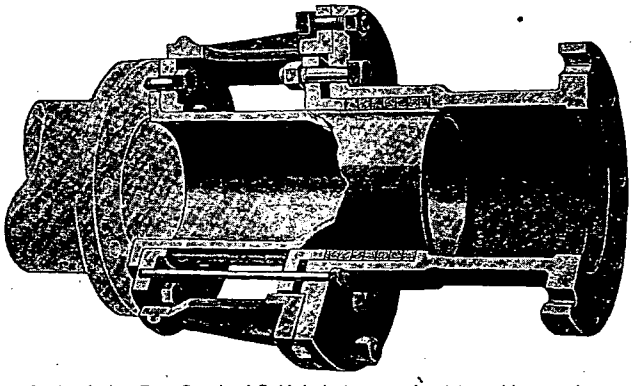
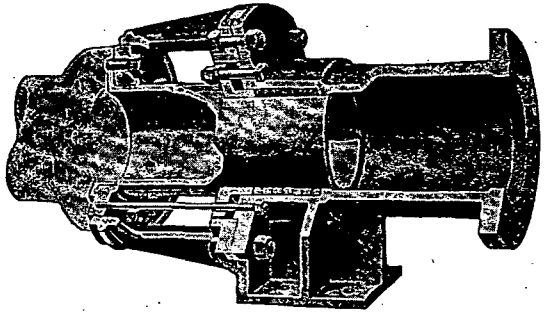


Sectional view Ross Crosshead-Guided single expansion joint, without anchor.

The Ross Crosshead-Guided Expansion Joint is a high grade fitting for taking care of the expansion and contraction in pipe lines due to changes in temperature. These Ross fittings are made for all pipe sizes. The above sectional view shows the construction, the principal feature being the guiding of the slip tube to insure prefect alignment in its travel through the packing box, which is extra deep. The periphery of the slip tube flange is machined to an accurate fit with the machined inner surface of the guide. The flanges are of the well-known Van Stone type. The Ross Crosshead-Guided Expansion Joint is so constructed that it can be easily packed or the packing adjusted without removing it from the pipe line. This is one of the many distinctive features found only in Ross Fittings. It is provided with limit rods to prevent the slip tube pulling out of the packing box. All holes drilled from templates—not cored.

The Ross Crosshead-Guided Expansion Joint is suitable for pipe lines conveying saturated or superheated steam, water, oil, air, or any fluid subjected to changes in temperature. These fittings are built in three general types—Low Pressure Cast Iron for pressures of 125 pounds and lower; High Pressure Cast Iron for pressures from 125 to 250 pounds; High Pressure Cast Steel for extra high pressures and temperatures. All of the above types of joints can be supplied with or without anchor bracket. The length of traverse varies from 4" to 16", depending upon the size and type of fitting.



Sectional view Ross Crosshead-Guided single expansion joint, with anchor.

The Stack Heater Company

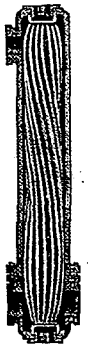
39 Sudbury Street

BOSTON **MASSACHUSETTS**

MANUFACTURERS OF

Safety Relief Valves—Thermostats—Gas Water Heaters—Indirect Water Heaters—Instantaneous Steam Water Heaters—Non-By-Pass Tees

Every type of Stack Water Heater contains a copper coil of spiraling tubes—The ratio of heating surface of these tubes to volume of water passing through them is 20 to 1.



STACK INDIRECT WATER HEATER—
"from kitchenette to hotel"

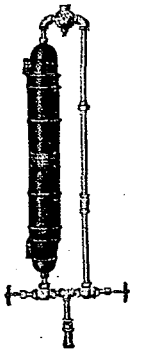
USERS—
Homes—Hotels—Apartments—Blocks—Y. M. C. A.—Public Buildings—Country and City Clubs—
Saves an extra fire during winter months—
Utilizes heat from house heater—
Attaches to steam boilers—hot water boilers—furnaces.
Maximum amount of hot water required per hour should determine size of heater rather than size of tank which is often too small—
Use at least one size larger Heater than shown in table for circulating systems—

SPECIFICATIONS AND PRICES

Size	Tank Capacity Rated on 3 Hrs.	Tank Capacity Rated on 1 Hr.	Shell Opening	Hot Water Connections	Length	Diameter	Shell Openings on Center	Weight Lbs.	List
D- 6-13	40	15	1"	¾"	18"	4"	13"	18	$18.00
D- 12-13	60	24	1¼"	¾"	18"	6"	13"	24	23.50
D- 24-15	100	40	1½"	1"	24"	6"	15"	32	40.00
D- 37-15	200	80	1½"	1¼"	24"	8"	15"	50	70.00
D- 50-15	300	120	2"	1½"	24"	10"	15"	60	100.00
D- 50-24	400	150	2"	1½"	36"	10"	24"	70	150.00
D-100-24	600	250	2½"	2"	36"	13½"	24"	120	310.00
D-100-36	750	300	2½"	2"	44"	13½"	36"	160	360.00
D-120-24	1000	400	3"	3"	36"	13½"	24"	200	400.00
D-120-36	1200	500	3"	3"	44"	13½"	36"	250	500.00

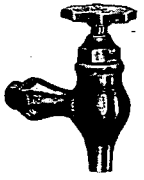
STACK INSTANTANEOUS STEAM WATER HEATER
a simple, efficient device for supplying clean, hot water.

USERS—
Factories—Institutions—Hotels—Restaurants—Clubs—Turkish Baths—Office Buildings—Steam Laundries—Ocean Liners—Battleships—Bleach and Dye Works—Finishing Plants and other Industrial Requirements.
Works efficiently on exhaust or high pressure steam—
Steam does not mix with the water—it merely transfers its heat to the water in the copper tubes—
Steam is used only while water is being drawn—
No moving parts or expansion joints.
Steam pressure must at all times be less than water pressure and condensation must have a free get away.
Suitable pressure relief valve should be installed.
Full flow of steam must be on heater at all times—
Installation of separate steam trap is recommended.



FOR WATER PRESSURES UP TO 250 LB. AND STEAM PRESSURES UP TO 100 LB. WATER PRESSURE MUST EXCEED STEAM PRESSURE

No.	Water Inlet and Outlet	Steam Connections	Gals. Min. 5-10 Lbs. Steam	Gals. Min. 30 Lbs. Steam	Length	Diameter	Weight	List
IS-12-48	½	1¼	6	8	6'	4"	60 lb.	$150.00
IS-37-36	¾	1½	12	16	5'	5"	100 lb.	250.00
IS-50-36	¾	2	15	20	5'	7"	120 lb.	350.00



THE STACK SAFETY RELIEF VALVE—
prevents explosions due to excessive water pressure—
Replaces one hot water faucet.
No separate drain connections.
Price.....$6.00

TRADE MARK STACK REG. U. S. PAT. OFF.