TRADE MARK KELLY

Complete Satisfaction

Kelly Brass Works

226-232 West Ontario Street

Chicago, Ill.

TRADE MARK KELLY

Scientific Construction

"KELLY" Valves are made especially for steam-heating service and have many features which recommend their use by the engineer, architect and heating contractor.

The interior construction of "KELLY" Air Valves are identical. The float in the sectional view is sealed with a phosphor bronze diaphragm at the bottom. A definite amount of volatile liquid is placed in the float before sealing which vaporizes from the heat of the steam causing the diaphragm to expand and raise the float thereby closing the escape port in the top of the valve.

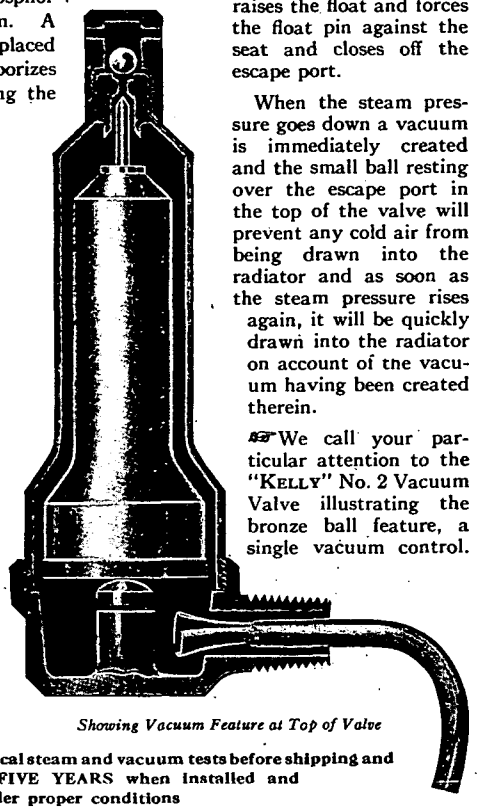
All "KELLY" valves are so constructed that no adjustment is required and, no one can possibly tamper with them. They will operate under all pressures up to 10 lb., venting the radiator of the accumulated air and closing against steam and water. Any water of condensation in the valve will be drained back to the radiator through the syphon tube.

The outer shell of the valve is threaded into a drop forged brass base and the valves are substantially constructed of the best grade of materials.

The sectional view shows the vacuum feature at the top of the valve. The small bronze ball is loosely encased at the top, resting over the escape port in the top of the valve. When the steam is turned on in the radiator the slightest pressure will raise the ball permitting the escape of all the air until the steam begins to enter the valve causing the volatile liquid in the float to expand the diaphragm which raises the float and forces the float pin against the seat and closes off the escape port.

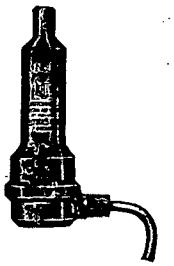
When the steam pressure goes down a vacuum is immediately created and the small ball resting over the escape port in the top of the valve will prevent any cold air from being drawn into the radiator and as soon as the steam pressure rises again, it will be quickly drawn into the radiator on account of the vacuum having been created therein.

☞We call your particular attention to the "KELLY" No. 2 Vacuum Valve illustrating the bronze ball feature, a single vacuum control.



Showing Vacuum Feature at Top of Valve

"KELLY" Valves are subjected to practical steam and vacuum tests before shipping and are GUARANTEED FOR FIVE YEARS when installed and operated under proper conditions



No. 1

⅛ in. Side-Outlet Air Valve for Radiators

Kelly Brass Works

226-232 W. Ontario Street,

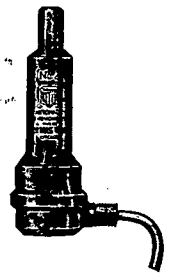
Chicago, Illinois

All cuts one-third size

The complete line of KELLY Non-Adjustable Automatic Steam, Air and Vacuum Valves are manufactured complete by the Kelly Brass Works.

KELLY valves are made to give entire satisfaction and are the result of over 35 years experience.

KELLY valves are subjected to practical steam and vacuum tests before shipping and are guaranteed for five years when installed and operated under proper conditions.



No. 2—Vacuum

⅛ in. Side-Outlet Air Valve for Radiators



No. 3

¼ in. Bottom-Outlet Air Valve for Mains, Coils and Risers



No. 4—Vacuum

¼ in. Bottom-Outlet Air Valve for Mains, Coils and Risers

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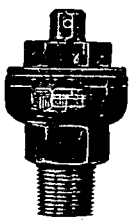
No. 5

⅜ in. Bottom-Outlet Quick Vent Air Valve for Mains and HV Stacks

NOTE.—Contains Float—will close against water.



No. 7

¾ in. Bottom-Outlet Quick Vent Air Valve for Mains and HV Stacks

NOTE.—Will not close against water.



No. 6—Vacuum

⅜ in. Bottom-Outlet Quick Vent Air Valve for Mains and HV Stacks

NOTE.—Contains Float—will close against water.