

TEMPLETON RETURN STEAM TRAPS

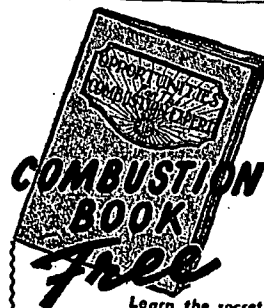
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Pumps Water at any temperature or
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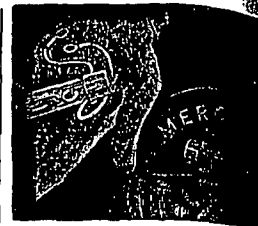
BOMBAY, INDIA: Dissatisfied with earlier
arrangements for supplying electrical
power to southern Bombay province from
Mysore State's huge hydroelectric station at
Jog Falls, the Bombay provincial govern-
ment is now pressing survey of the Kalindi
River in the same section. Studies al-
ready completed indicate that up to
340,000 kw could be generated at a sta-
tion at the foot of the west coast mountain
range. The provincial government favors
the project over purchase of 3750 kw from
Mysore at a rate of roughly 48c per unit,
as called for under the agreement that
yielded its water rights on the border-
making Sharavati River, which Jog Falls
utilizes.

ZURICH, SWITZERLAND: Work has started
again on two large hydroelectrotechnical
plants in southern Tyrol with financial sup-
port supplied by Swiss Electrowatt Corp
and several other Swiss finance companies
in amount of 30 million Swiss francs. The
Montecantini concern is in charge of the
construction project, which was begun
before the war and then halted when Italy
entered the war. Repayment of this
financial aid will be in form of electric
power, principally winter energy. City of
Zurich will receive part of that power in
return for a participation of 25% in
financing the project.

These two power plants on Lake of
Reschen, at Clorenza and Castelbello, are
expected to begin operation by winter of
1948-1949. Capacity production will total
about 650 million kwhr. Over 5000 men
are employed in building an 80-ft-high
dam. Dam basin, into which the Etsch
River will flow, will hold 100,000 acre-ft
of water. A high-tension line of 220,000 v
is being built on the Stilfserjoch to carry
power from these works to northern Italy.

PERTH, WESTERN AUSTRALIA: The island
continent's forgotten third, western Aus-
tralia, is going in for industrialization and
electrification in a big way. The state's
first major electric power plant, and still
the biggest, was installed in 1926. Many
small and uneconomical diesel units were
built during and since the war.

Erection of a large modern powerhouse
at South Fremantle, investigation of an
electric power-supply scheme for sub-
tropical northwest, and establishment of a
power-supply system in the southwest of
the state are making rapid progress.
Farthest reaching of these state-sponsored
power projects is the southwest system,
which is the first step in development of
a statewide grid system. A state electricity
commission has been set up in Perth to
provide necessary executive power for a
long-range policy that will enable regional
power projects to be coordinated on co-



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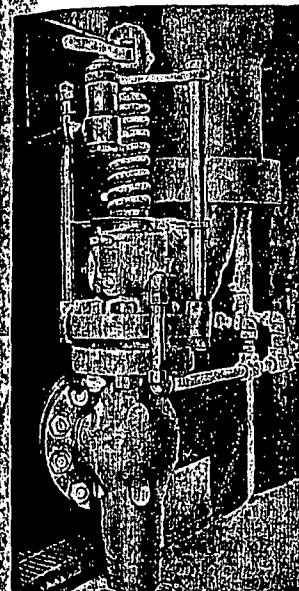
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Give Your Boilers a Break!

End Safety Valve Troubles by Installing
**FOSTER 38-SV Safety Valves with these
5 GUARANTEED ADVANTAGES:**



Hundreds of Foster 38-SV Safety Valves are giving
top performance in important installations. This
"38" superheater unloading valve operates at 1450
lb. total temp. Others are in service up to
3500 lb. at 1000° F.

1 Built to Stay on the Job—the Foster 38-SV is the SAFETY
valve that is built to pop without causing boiler outages. On accel-
erated tests in an Eastern Utility, one of these valves has been popped
every day for more than 6 years. It has had only routine maintenance,
and yet it pops consistently at set pressure, and does not leak. In the
Chief Engineer's own words—this is the equivalent of at least 40 years'
normal service.

2 Accurate Popping—Once set at the desired popping point,
the Foster 38-SV pops on the button for each successive pop. For
instance, in another Utility installation, the 38-SV under test was set
for 600 lb. and popped 50 times in quick succession. The first pop was
at 600 lb. and the 50th pop was at 595 lb. In spite of the heat of this
abnormal operation, the Foster 38-SV was thrown off less than 1%.
After a short cooling period, it again popped at 600 lb. That's test
gauge accuracy!

3 Minimum Blow-down—Foster 38-SV's are adjustable so
they can be set to reset when pressure has dropped as little as 1%
below the popping point. In this same test the 38-SV, on its first pop,
reset at 594 lb. for a 6 lb. or 1% blow-down. On the 50th pop, it
reset at 589 lb. which is also 6 lb. or 1%. After each pop, it resetted
positively with no chattering or leakage. Only over-pressure up the
stack—no useful steam wasted.

4 High Relief Capacity—Foster 38-SV's have larger bore
because they can handle larger volume of steam and still control blow-
down. Depending on operating conditions, they may give more than
twice the capacity of other makes, as in the case of 5 Foster 38-SV's
required to replace 12 "conventional" safety valves of the same nom-
inal size. Fewer valves to buy—fewer valves to service.

5 Low Maintenance—Hot or cold, the piston in the 38-SV fits
loosely and cannot stick, and yet no steam reaches the spring. The
spring stays cool enough to touch, even while the valve is popping—
which means longer spring life. Disc and seat expand at the same
rate during heating-cooling cycles—there is no drag to destroy seating
surfaces. Simmering and chattering have been eliminated as a source
of destruction. Discs will not warp or crack. When routine inspection
and maintenance are indicated, complete loading assembly lifts out
without disturbing the spring setting.



For full details on the design and construction features that
enable this valve to outperform any other safety valve, get in
touch with your Foster Representative or with us direct.



FOSTER ENGINEERING Company

PRESSURE REGULATORS...RELIEF AND BACK PRESSURE VALVES...AUTOMATIC STOP AND
CHECK VALVES...ALTITUDE VALVES...DAMPERS REGULATORS...FAN ENGINE REGULATORS...
WATER OVERHEATERS...TEMPERATURE REGULATORS...LIQUID LEVEL CONTROLLERS...FLOAT
AND LEVEL BALANCED VALVES...NON-RETURN AND TRIPLE DUTY VALVES...VACUUM
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