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Wright  
Steam  
Specialties

CATALOG NO. 12

Wright - Austin 3/1/21

WRIGHT MANUFACTURING CO.  
DETROIT, MICHIGAN, U.S.A.

The "Wright" Quality

# "Wright" Steam Specialties

*including*

Wright "Emergency" High-Pressure Steam Traps,  
Wright "Victor" Low-Pressure Steam Traps,  
Wright Improved Safety Alarm Water Columns,  
Wright "Cyclone" Exhaust Heads,  
Wright Filters, Air Traps, etc.



## Important

Destroy all catalogs issued prior to this number

When making inquiries refer to this catalog as

Number 12

**Wright Manufacturing Co.**  
Detroit, Mich., U. S. A.



## A Word in Advance



VERY now and then somebody writes us a real, straight-from-the-heart letter, commending our efforts to conceive and manufacture Steam Specialties good to sell and good to use.

It's a rocky old road, this business high-way. What a pleasure it is to rest occasionally in the shade of a sentiment like this:

THE ATLAS PORTLAND CEMENT COMPANY  
Northampton, Pa.

WRIGHT MANUFACTURING CO.

Gentlemen—We have in use at our mills in Northampton twenty-seven of these Traps (the Wright "Emergency"). We also have in use at our mills at Hannibal, Mo., nine Wright Traps, a total of thirty-six at our various plants. Our service is rather hard as we carry a pressure of 180 lbs.

We have found the Traps entirely reliable and have absolutely abandoned the use of every other make and for several years past have specified Wright Traps when Steam Traps were required.

Yours very truly,

ATLAS PORTLAND CEMENT CO.

Our policy is "to develop the highest possible efficiency in the device, then sell it at a fair price." We would rather lose an occasional order where "price is everything" and be content with business based on quality only.

Have you ever read the guarantee accompanying the sale of every Wright Steam Specialty? Here it is:

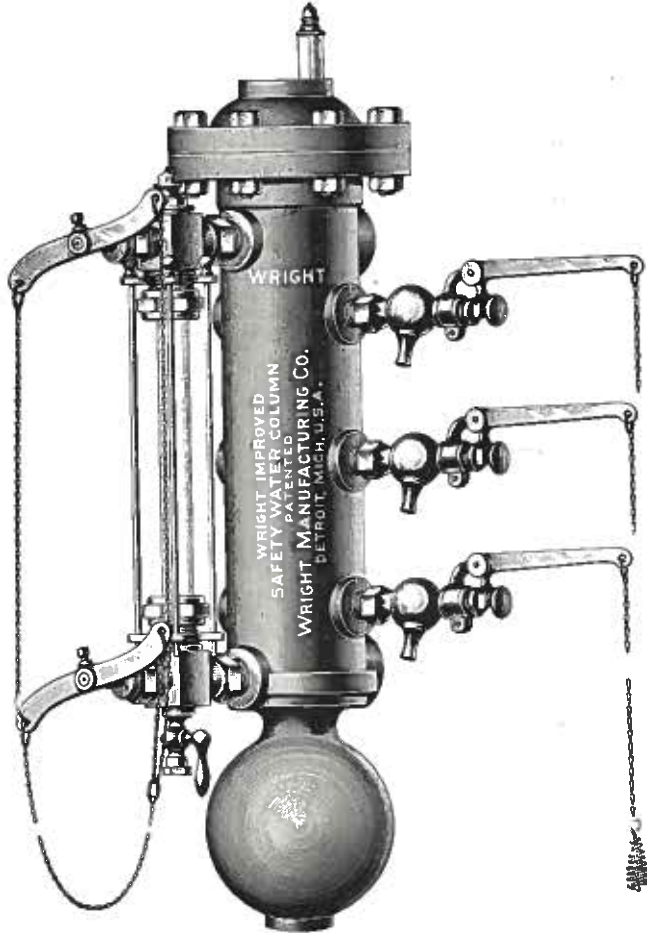
"We will ship this article to responsible parties subject to installation and test. If after thirty days use it fails to demonstrate our claims, the device is to be returned to us at our expense of transportation both ways."

This guarantee applies to every Wright Specialty listed in our catalogue or any that our Engineering Department may design for your individual requirements. We submit it as worthy of your serious consideration when making specifications.

We have been in the business many years. If our co-operation on the above basis is attractive to you, may we have your inquiries?



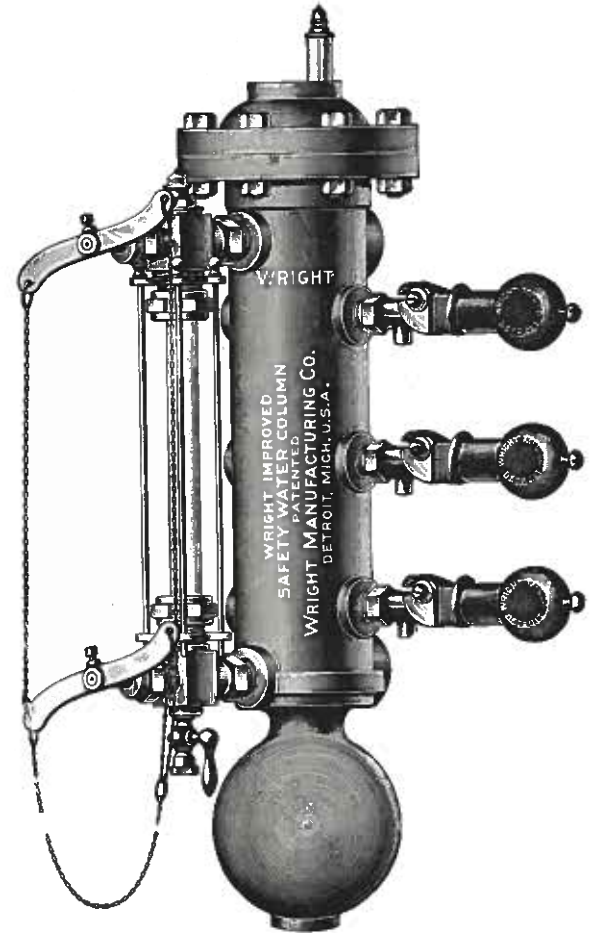
## The Wright Improved Safety Alarm Water Column



With "Wright" Pattern Chain Lever, Quick-Closing Water Gauge and Gauge Cocks



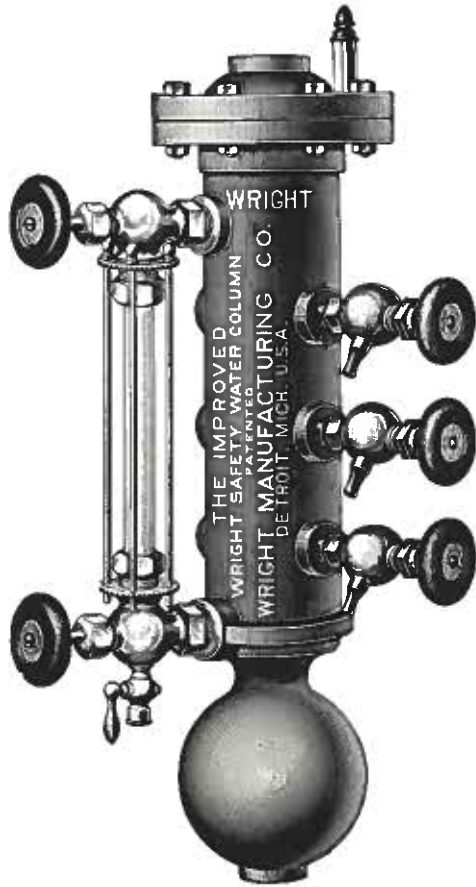
## The Wright Improved Safety Alarm Water Column



Showing the "Wright" Pattern Chain Lever, Quick-Closing Water Gauge and Weighted, Regrinding Gauge Cocks. No Spring, No Washers.



## The Wright Improved Safety Alarm Water Column



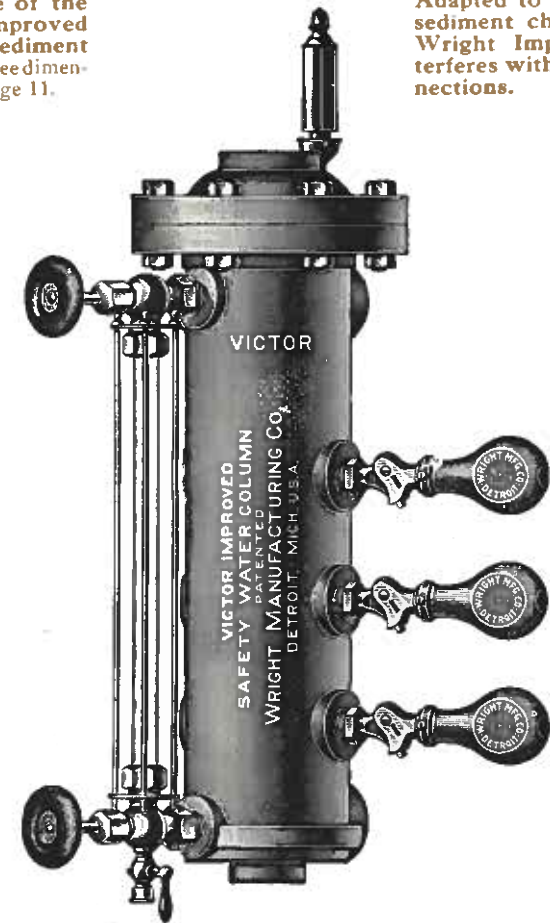
Showing Our  
"Regular" Compression Gauge Cocks  
and Self Cleaning Water Gauge



## The Wright "Victor" Safety Alarm Water Column

A duplicate of the Wright Improved without sediment chamber—see dimensions "H" page 11.

Adapted to use where sediment chamber on Wright Improved interferes with pipe connections.

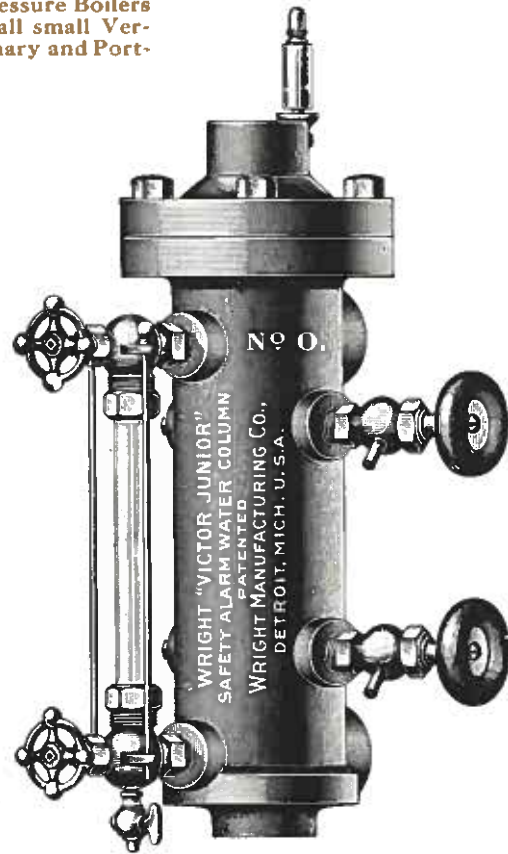


Showing our Ball Lever Gauge Cocks  
and Self Cleaning Water Gauge



## The Wright "Victor Jr." Safety Alarm Water Column

For Low Pressure Boilers  
—including all small Vertical, Stationary and Portable Boilers.



Made in one size with Low Water Alarm only—No Sediment Chamber  
—Provision made for Water Gauge and two Gauge Cocks

Prices quoted on application

See bottom of page 11 for Victor Jr. dimensions, etc.



Safety, Economical and Efficiency Value of

## The Wright Improved Safety Alarm Water Column

**Safeguards Life and Property**—The first and most important object of a safety water column is to give warning to those in charge of a boiler in case the water varies above or below the proper level. When this happens the whistle sounds an alarm, continuing to blow until the feed water supply has been regulated. In the event of low water this warning may be the means of averting a boiler disaster.

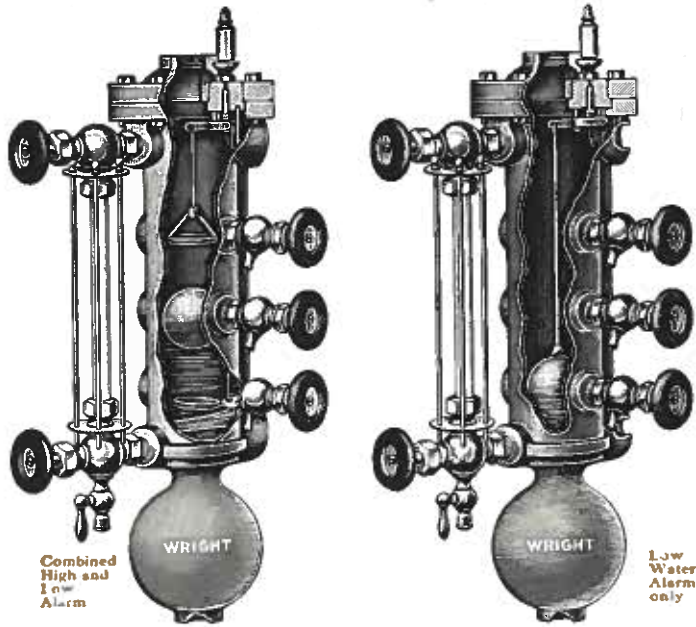
**Its Economic Value**—The protection afforded is in itself sufficient reason for equipping every boiler with this device. But in addition there are several economic advantages to be gained from its use, all of which are the natural result of keeping the water steady, at the proper level.

**A Saving in Fuel**—When the water level is constantly changing there is bound to be great loss of heat and fuel. If the water is too high an unnecessary amount of heat is required, involving wasteful consumption of fuel. If it is too low it necessitates the sudden forcing in of a large quantity of water at a lower temperature, which absorbs the heat and reduces the steam pressure; another waste of fuel, heat and money.

**Dry Steam**—High water in the boiler not only causes wet steam, but makes possible the drawing over of "slugs" or large quantities of water from boilers to the cylinders. A blown out cylinder head, or the complete wrecking of the engine may follow. The gain in engine efficiency resulting from steady steam pressure and the use of dry, elastic steam, is well-known and appreciated by all competent engineers.

**Increased Durability of Boilers**—Another effect of unsteady water is fluctuation of temperature and pressure, which in turn results in constant expansion and contraction of the boiler. This racking and straining is destructive to the life of the boiler and the source of frequent repair bills as well.

**Makes the Attendant Watchful**—All the advantages stated are insured through installation of the Wright Improved Safety Alarm Water Column, due to the fact that it guarantees constant watchfulness and care upon the part of attendants—the only way the whistle can be kept quiet. It is continually on guard in the interest of the proprietor, the superintendent and the engineer, attracting their attention in any emergency.



**Some Distinct Advantages in the Wright Safety Alarm Water Columns**

**The Principle of Operation** as illustrated in the above sectional views of both Combined High and Low Alarm and Low Water Only Alarm is the same in all Wright Water Columns.

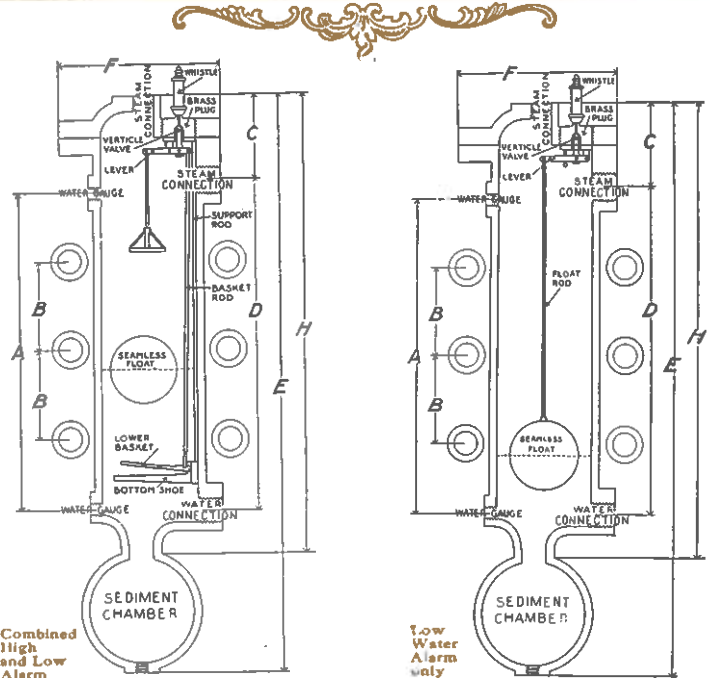
**Only One Float**, made of the best copper we can buy, is contained in Wright Alarm Water Columns. Round and seamless, it offers the greatest possible resistance to steam pressure, a distinct advantage over types of columns operating two oblong floats with seams.

**One Vertical Valve** affording a straightway passage of steam to the whistle is another distinct feature in Wright Columns, a marked advantage over types containing two horizontal valves.

**Mechanism Attached to Cover** — Removing the bolts from flanges and lifting the cap to which working parts are attached facilitates quick inspection.

**Can be Tested Instantly**— Wright Columns can be quickly tested by simply opening the blow-off valve, which lets the water out, lowers the float and causes the whistle to blow as though low water actually existed in the boilers. This operation also serves to thoroughly cleanse the working parts in the Column.

**Gauge Cocks on Either Side**— Provision for Gauge Cocks on either side of all Wright Columns adapts them to right or left hand connection.



Detailed Dimensions in Inches—High and Low Water Alarms

Size of Column	A. Water Gauge Centers	B. Gauge Cock Centers	C. Steam Connection to Top of Column	D. Distance of Centers, Water to Steam Connection	E. Length Over All	F. Diameter of Flanges	Thickness of Flanges	Number and Size of Bolts	Water Gauge and Gauge Cocks Tapped, Standard	Size of Water and Steam Connections	Sediment Chamber Tapped	H. Victor Column Length Over All (Has No Sediment Chamber)
1	14	3	4 1/2	14	26	8	3/4	6-1/2	1/2	1	3/4	20 1/4
5	18	4	6 1/2	15	30 3/4	8	1	6-1/2	3/4	1 1/4	3/4	23 3/4
7	21	6			34 1/4	8	1	6-1/2	3/4	1 1/2	3/4	27 1/4
9	24	9			39	9	1 1/8	6-3/4	3/4	1 3/4	3/4	32 1/4
11	30	12			45	9	1 1/8	6-3/4	3/4	1 1/2	3/4	38 1/4
13	36	10			51	9	1 1/8	6-3/4	3/4	1 1/2	3/4	44 1/4
15	42	12			57	9	1 1/8	6-3/4	3/4	1 1/2	3/4	50 1/4

**Low Water Alarms only**

2	14	3	4 1/2	14	26	8	3/4	6-1/2	1/2	1	3/4	20 1/4
6	16	4	6	14	29	8	1	6-1/2	3/4	1 1/4	3/4	22
8	21	6			34 1/4	8	1	6-1/2	3/4	1 1/2	3/4	27 1/4

**"Victor Jr." No. "0" Low Water Alarm**

7 1/2	4		7 1/2	14	4 3/4	3/4		3/8	1			
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These Columns are 25% heavier than other safety water columns, and are designed to meet the requirements of high-pressure practice. They will work at any pressure.  
**NOTE**—But one steam connection—located in centre of cover at top—is provided on Nos. 7, 8 and larger sizes.



## Price List of The Wright Improved Safety Alarm Water Columns

(Subject to Discount)

### Combined High and Low Water Alarms

Size of Column	Kind and Size of Boiler	Variation Between Alarms	List Price of Columns Without Water Gauge and Gauge Cocks
1	36" to 54"	6"	\$28.00
5	56" to 72"	8"	30.00
7	Water Tube	12"	35.00
9	Others determined by natural variation of water in boiler	18"	40.00
11		24"	42.50
13		30"	45.00
15	See Note	35"	50.00

### Low Water Alarms

2	36" to 54"		\$25.00
6	56" to 72"		28.00
8	Water Tube		35.00

Prices on Water Gauges and Gauge Cocks, as shown, will be furnished upon application.

### General Dimensions in Inches

Size of Column	Steam and Water Connections	Blow-off	Water Gauge	Gauge Glass	Gauge Cocks Center	Gauge Cocks Size	Center of Water Connection to Top of Column	Diameter of Column	Length Over All
1	1	3/4	1/2 x 14	5/8 x 12	3	1/2	18 1/2	4 1/2	26
5	1 1/4	3/4	3/4 x 18	3/4 x 16	4	3/4	21 1/2	5	30 3/4
7	1 1/2	3/4	3/4 x 21	3/4 x 19	6	3/4	26	5	34 1/4
9	1 1/2	1	3/4 x 24	3/4 x 22	9	3/4	30	5	39
11	1 1/2	1	3/4 x 30	3/4 x 28	12	3/4	36	5	45
13	1 1/2	1	3/4 x 36	*3/4 x 34	10	3/4	42	5	51
15	1 1/2	1	3/4 x 42	*3/4 x 40	12	3/4	49	5	57
2	1	3/4	1/2 x 14	5/8 x 12	3	1/2	18 1/2	4 1/2	26
6	1 1/4	3/4	3/4 x 16	3/4 x 14	4	3/4	20	5	29
8	1 1/2	3/4	3/4 x 21	3/4 x 19	6	3/4	26	5	31 1/4

\*Two Glasses joined at center with Stuffing Box. Four Gauge Cocks.

NOTE—The size of the Column is in all cases determined by the natural variation of the water in the boiler on which it is to be used. No mistake will be made ordinarily by selecting one of our Columns having the extreme gauge cocks the same distance apart as on the plain Column furnished with boiler.

A complete set of interior attachments, including VALVE RODS and FLOAT for either LOW WATER ALARM only or COMBINED HIGH and LOW may be ordered by designating the kind and size of Column and "ONE SET OF ATTACHMENTS COMPLETE."

IMPORTANT—To avoid mistakes, when ordering, note that combined High and Low Water Alarms are designated by odd numbers and Low Water Alarms by even numbers.



## The Wright Alarm Water Columns

### Importance of Proper Installation



STATISTICS prove that every fourth or fifth boiler explosion is the result of defective boiler fittings; hence, the importance of the correct installation of a dependable Alarm Water Column.

Connection to and from the Column should be as short and great in area as possible, and by means of plugged crosses rather than tees or elbows. This plan facilitates easy and frequent cleaning of pipes.

Fig. 1 illustrates an excellent installation. The top connection includes an angle valve that can be opened and closed readily. The drip pipe is nearly full size down to the sewer. When blowing into the sewer the lower drip valve should be opened and the upper angle valve connection closed, thus causing the water to flow out of the boiler through the pipes and the Column at full speed, carrying with it any possible sediment or accumulation.

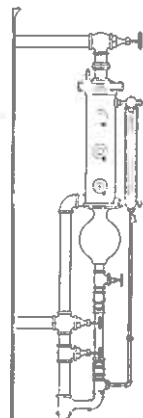


Fig. 1

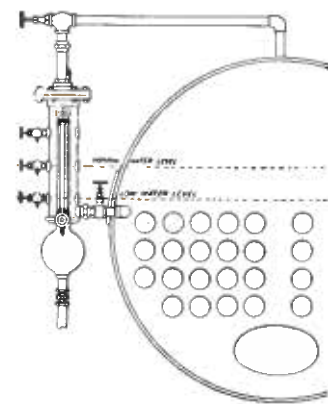


Fig. 2

Fig. 2 illustrates a very simple but practical and universally approved method of connection. The dotted lines indicate the normal and low water level. Our suggestions show but two of a variety of possible installations. Our Engineering Department will be pleased to offer its assistance in any plans for efficient installation of Wright Columns whenever requested.





## Wright Continuous Flow Steam Traps

**Some Every Day Condensation Troubles Easily Overcome Through Their Installation.**

**T**HE inside surface of a steam pipe, due to its lower temperature, acts more or less as a condensing agent for steam passing through. This is a common trouble under ordinary conditions, and unless the water of condensation is automatically drained as it accumulates, the steam is diluted or weakened in proportion to the quantity of water held in the pipes.

Headers from steam boilers, coils of pipe used in laundry dry rooms, mangles, steam kettles, dry kilns in brick and lumber plants, mine steam systems, drain pipes from steam separators, steam heating plants, super heaters, steam systems in paper mills, and a hundred similar conditions can all be made to produce the well-known high efficiency insured by a constant flow of Dry Steam if Wright Steam Traps are installed.

Wright Steam Traps, for high or low pressure service, are designed, constructed and guaranteed to drain automatically and continuously all accumulated condensation from steam pipes, regardless of small flows or floods of water without steam waste in the operation.

### Draining Steam Separators with the Wright "Emergency" Steam Trap

The Receiver of a steam separator is that section of the appliance designed for the reception of water eliminated from the separator as the live steam passes through the device to the engine cylinders.

A steam separator is too important a piece of apparatus to risk any possibility of its usefulness being counteracted by inattention or forgetfulness.—We refer to the opening and closing occasionally by hand of a valve on the drain pipe for disposing of the accumulated water in the "receiver" portion of the separator.

If this "valve" is not opened at regular intervals, there is danger of the accumulation of water in the separator becoming so great that the separator will "overflow," the water being "carried over" by the steam current, with results that cannot be appreciated by any except those who have had experience with engine wrecks.

A simple prevention against this possibility is secured by the use of the Wright "Emergency" High Pressure Steam Trap.

Large numbers of these Traps have been installed in connection with steam separators, and their unflinching action in disposing of volumes of condensation on the instant, in emergencies, makes them unexcelled for separator use.

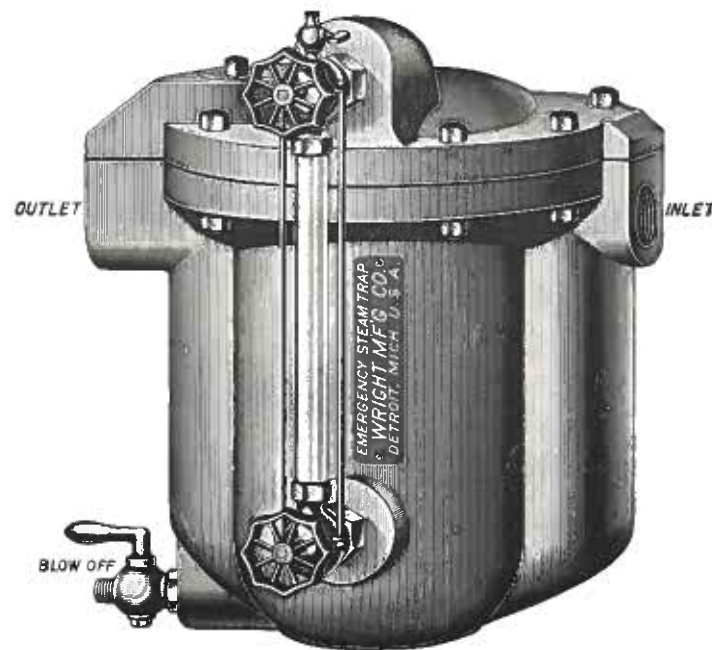
Absolute reliance may be placed, too, upon the statement that "no waste of steam is possible under any condition in the use of this Trap." Its value for use in connection with a separator, considering the comparatively slight expense involved, makes its adoption desirable, even if its cost is viewed simply in the light of an insurance upon the safety of your engine.



## The Wright "Emergency" High-Pressure Continuous Flow Steam Trap

For Varying Pressure, up to 200 Pounds

*Operates Continuously — Not Intermittently. Guaranteed to Discharge Floods of Condensation Without Steam Waste.*



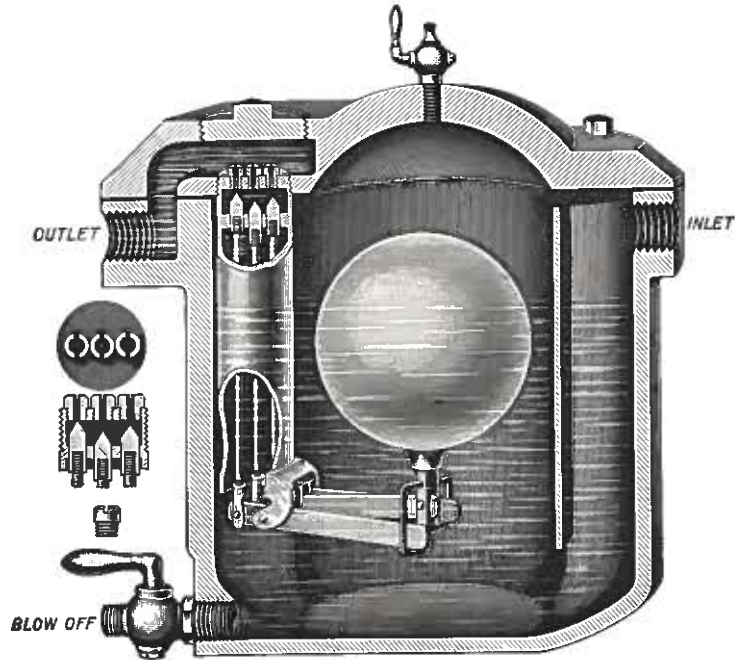
**Steam Pressures—** Emergency "regular" patterns are intended for pressures up to 200 pounds. We make a "special" Emergency Trap guaranteed to operate under pressures up to 300 pounds.

**In a Class by Itself—** The Wright "Emergency" Steam Trap has gained an enviable reputation for efficiency and general excellence, and will be found today in a majority of the steam plants in which thoroughly modern equipment is made a feature. No effort has been spared to make this Trap perfect in every detail.



**Built on New Lines**—As a radical departure from the old Steam Traps, both in principle and design, it has merited the quick appreciation of engineers and steam users generally, but the principle involved is so simple that no one with practical ideas will question its success for a moment.

**Guaranteed Throughout**—Wright "Emergency" Steam Traps are guaranteed to operate successfully where specification of size, etc., is correct. No special adjustments or changes of valves are required to suit different steam pressures. Material and workmanship are strictly high-grade in every particular.



**Valves on Top**—Three steam-tight valves are located at the highest point of the Trap, where they are entirely removed from accumulations of grit, scale, sediment, etc., and therefore can hardly become inoperative from the causes named.

**In Emergencies**—The action of this Trap in emergencies is instantaneous, a feature which renders it invaluable for many uses. The discharge from each of the valves being continuous, is very great—much greater than is possible with an intermittent Trap. See table on page 18 for maximum discharge in pounds.

**Operation**—The condensation enters the Trap, filling it to about the center and forming a seal of from four to six inches of water at both inlet and outlet, which prevents any possible escape and waste of steam.

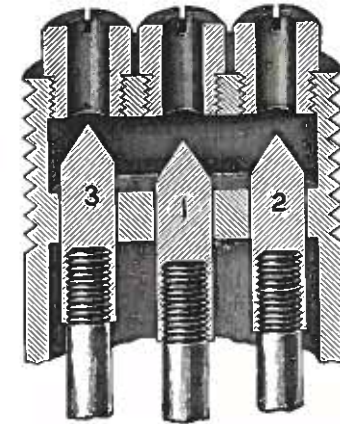


**Operation, Continued**—When thus filled, the float rises and opens the centre valve (indicated as valve No. 1 in the enlarged view of valve arrangement, shown on this page) slightly, if there is but little water coming in, but widely in event of a sudden inflow. This one valve is equal to the task of taking care of the flow under ordinary conditions, but if the water comes into the Trap faster than one valve can discharge it, the water rises in the Trap, carrying the float with it and opening valve No. 2 sufficiently to discharge the surplus water, or wide open if necessary. Valve No. 3 is opened in the same manner, providing for the full

capacity of the inlet pipe, but it rarely happens that the volume of condensation coming into the Trap is sufficient to tax the combined capacity of all three valves. Ordinarily, one valve alone is able to do all the work, leaving two valves in reserve for emergencies.

**All Working Parts** are attached to the cover and are accessible without disturbing the piping in the least.

**Valves and Valve Seats**—These are clearly shown in the cut on this page. Both valves and valve seats are made of the best steam jet metal, and may be repaired or renewed, if necessary, without removing the cover from Trap, by unscrewing the iron plug over the tube, when the valve seats may be easily taken out with a screw driver.



Sectional View of "Three Valves" Operating in "Emergency" Trap

**Attention is Called** to the bar extending across the interior of tube at top. This serves to center the valves into the valve seats—an illustration of the care which has been expended upon the smallest details in the making of the Trap, with the idea of insuring faultless operation and avoiding many small sources of annoyance.

**No Steam can Escape.** The water seal at "inlet" and "outlet", referred to in last paragraph on page 16, makes steam waste absolutely impossible.

**The Float**—The copper floats used in our Traps are of our own special construction. They are seamless and round—the strongest possible form for a float, and are reinforced at the most essential point by an extra thickness of metal. Severe tests under extremely high steam pressures, as well as perfect results obtained in extensive practical use, have demonstrated that this is the strongest, most durable float yet devised.

**A Water Gauge** and gauge glass are provided, through which the operation of the Trap is always visible. The Trap **must be vented** by means of the air valve attached to cover.



**Inlet and Outlet** are on the same line—a very important consideration in some cases, and never a disadvantage.

**A Blow-Off** is provided and the Trap may be blown free from sediment as often as necessary. This is an important advantage possessed by very few Traps.

**Materials and Workmanship** are strictly first-class. Wide and thick flanges, proper gaskets and plenty of bolts are used.

**Cost**—The "Emergency" does not cost any more than many inferior Traps of less capacity, and the guarantee removes all risk.

### Price List, Dimensions, Capacities, Etc. The Wright "Emergency" Steam Trap

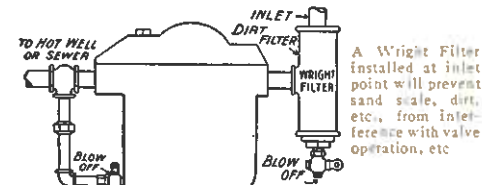
Number of Trap	Size of Inlet and Outlet	Distance Thru Inlet and Outlet	Maximum Discharge in Pounds per hour	Intended for Square Feet of Radiating Surface	Intended for Lineal Feet of 1-inch pipe	Lineal Feet of 1-inch Pipe for Laundries, Kitchens, Green Houses, Etc.	Lineal Feet of 1-inch Pipe for Laundries, Brick Dryers, Brew Kettles, etc.	List Price
1.....	1/2"	11 1/4"	997	2400	7200	2400	1450	\$ 20.50
2.....	3/4"	12"	1262	3100	9300	4700	1860	22.50
3.....	1"	12 3/4"	1550	3900	11400	5700	2300	28.00
4.....	1 1/4"	13 3/4"	2625	6570	19710	9850	3942	35.00
5.....	1 1/2"	15 1/4"	4200	10500	31500	15750	6300	50.00
6.....	2"	16 1/2"	6700	16750	50250	25125	10050	70.00
7.....	2 1/2"	18"	9740	24350	73050	36525	14610	100.00
8.....	3"	19 1/2"	14026	35065	105000	52500	21000	130.00

NOTE—Every Trap carefully tested before leaving factory. Results Guaranteed  
The above list is subject to Liberal Discount.



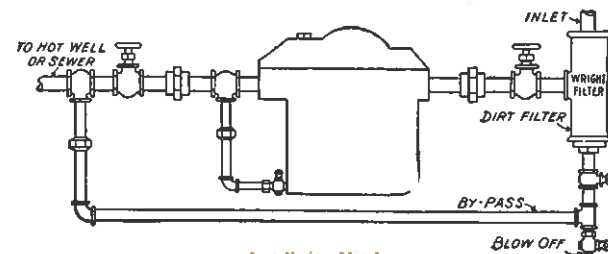
## Directions for Installing and Operating The Wright "Emergency" Steam Trap

(For Varying Pressures up to 200 pounds)



Installation No. 1

Installation No. 1 provides for inspection, etc., by simply shutting off at inlet.



Installation No. 2

Installation No. 2 provides a bypass for uninterrupted passage of steam when Trap is removed from pipe line. Close valve in "inlet" and "discharge" pipe, unscrew the unions and lift out Trap.

THE above illustration shows clearly the proper pipe arrangement at "inlet" and "outlet" end of Trap. If our instructions are adhered to when "setting up," the Trap will take care of itself thereafter.

Always locate the "Emergency" Trap below the lowest point to be drained.

In making pipe connection, see that the diameter of pipe corresponds with opening at "inlet" and "outlet" of Trap.

Turn on the steam, leaving the "Blow-Off" open long enough to cleanse the Trap and pipe line. This also serves to heat the Trap, a necessary condition to successful operation.

Leave the air valve on top of cover slightly open at all times in order to vent the Trap of air.

When the "Blow-Off" is closed the Trap will fill to about one-half, as indicated by gauge glass, thus forming a perfect "water seal," which prevents the passage of steam through the Trap.

The discharge is **automatic** and **continuous**—not intermittent. The operation will be found perfect, regardless of small flow or floods, if the size specified is correct and the Trap is properly installed.

The Trap must be "Blown-Off" frequently, in order to keep it free from sediment.

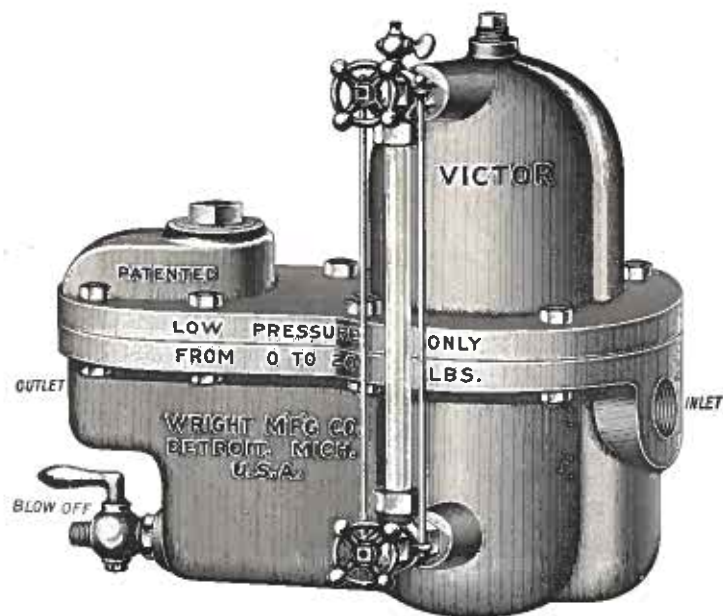


## The Wright "Victor" Low-Pressure Continuous Flow Steam Trap

For Pressures 0 to 20 Pounds

*Operates Continuously—Not Intermittently. Guaranteed to Discharge Floods of Condensation Without Steam Waste.*

**Extremely Large Valve**—The valve opening in the "Victor" Trap is as large proportionately as the pipe connections at "inlet" and "outlet." A mechanical value of proven worth.



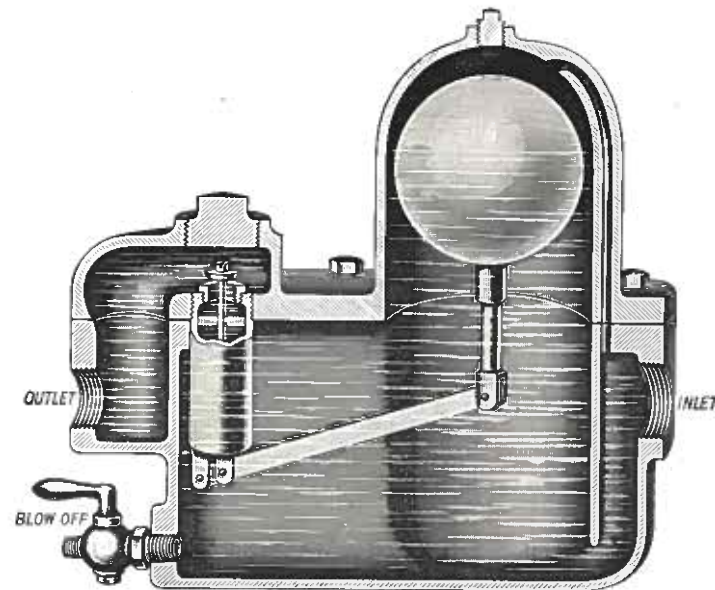
**Its Great Capacity**—Through use of a valve of large area the "Victor" is able to handle an immense amount of condensation; as much, in fact, as the inlet pipe can bring to it. It will not waste steam under any condition. The maximum discharge of each size of Trap is noted in pounds in the table on page 22.

**The Vital Point**—The "Victor" Trap possesses a marked advantage in ability to discharge through one large valve, small or large quantities of condensation under absolutely no steam pressure, (incoming condensation alone being sufficient to lift the valve) and up to twenty pounds.



**Results Guaranteed**—The "Victor" Low-Pressure Steam Trap is guaranteed to operate successfully under all low pressure conditions of service, provided specification of size etc., is correct.

**Operation**—The water enters the trap, filling it to the level of the valve and raising the float. At the same time the valve is lifted from its seat. Discharge then takes place, continuing until the inflow ceases, when the valve closes as the float descends.



**A Perfect Water Seal**—The deep water seal, covering both inlet and outlet of Trap, makes it impossible for steam to escape. This seal is maintained steadily, as discharge does not take place until the water reaches the level of the valve.

**Water Gauge**—A Water Gauge and Gauge Glass are provided through which the operation of the Trap is always visible. The Trap must be vented by means of Air Valve attached to upper fitting of water gauge.

**Blow-Off**—This provides for the removal of all foreign matter, sediment, etc., an important feature.



**Valve and Valve Seats**

These are constructed of the best steam jet metal and may be easily removed, if necessary, by means of a screw driver and a wrench. They are located in the top of the Trap, where sediment does not reach them. The absence of any intricate parts is also an important consideration.

**Round Seamless Float**

The float is one which long experience in steam trap making has proven to be the strongest, most durable and most satisfactory in every way.

**Construction**

The working parts are attached to the cover and can be removed without disturbing the piping. Inlet and outlet are on the same line, which in some cases is a decided advantage. All material is first-class and the workmanship of the highest character.

**PRICE LIST**

Dimensions, Capacities, Etc.

**The Wright "VICTOR" Low-Pressure Steam Trap**

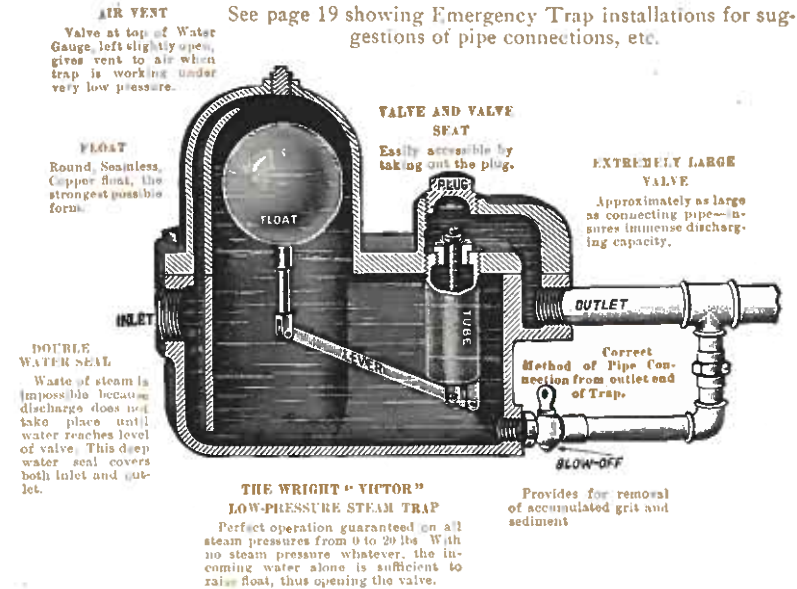
Number of Trap	Size of Inlet and Outlet	Distance Inlet to Outlet	Height of Trap Overall	Lbs. discharged Per Hour 3 lbs Pressure	Square Feet of Radiating Surface	Lineal Feet of 1-Inch Pipe for Ordinary Conditions	Lineal Feet of 1-Inch Pipe for Lumber Kilns, Green Houses, etc.	Lineal Feet of 1-Inch Pipe for Laundries, Black Dryers, Brew Kettles, etc.	Last Prices.
0	1/2"	9 1/4"	9 1/4"	1726	1432	4300	2200	860	\$ 16.50
1	1/2"	12 1/4"	11 1/4"	3746	3107	9300	4650	1860	20.50
2	3/4"	14 1/4"	12 1/2"	6552	5438	16300	8200	3260	22.50
3	1"	15 1/2"	14 1/2"	9988	8290	24870	12450	5000	28.00
4	1 1/4"	18"	15 3/4"	18000	14940	44820	22500	9000	35.00
5	1 1/2"	19 1/2"	17 1/2"	24000	19920	59760	29800	12000	50.00
6	2"	22"	20"	30000	24900	74700	37000	15000	70.00
7	2 1/2"	25"	21"	48250	40000	120000	60000	24000	100.00
8	3"	24"	22"	63918	53050	159000	80000	32060	130.00

NOTE—Every Trap carefully tested before leaving factory. Results Guaranteed. The above list subject to Liberal Discount.



**Directions for Installing and Operating The Wright "Victor" Continuous Flow Steam Trap**

(For Low Pressure, 0 to 20 Pounds)



**A** ALWAYS locate the "Victor" Trap below the lowest point to be drained. In making pipe connections, see that the diameter of pipe corresponds with opening at "inlet" and "outlet" of Trap.

Turn on the steam, leaving the "blow-off" open long enough to cleanse the Trap and Pipe Line. This also serves to heat the Trap, a condition necessary to successful operation.

Leave the "Air Valve" on top of water gauge fitting slightly open at all times—just enough to prevent "air pockets."

When the "Blow-Off" is closed, the Trap will fill to about two-thirds, as indicated by the gauge glass, thus forming a "water seal" at both "inlet" and "outlet."

If the proper size is specified, and the Trap is correctly installed, the operation will be perfect at all times, regardless of small flow or floods of condensation.

The Trap must be "blown off" frequently to keep it free from sediment.



## The Wright "Cyclone" Exhaust Head



Exterior View

**Prevents Damage**—The old adage "penny wise and pound foolish" might apply to the man who owns or rents a building for which he is responsible, and who permits the oil and water with exhaust steam to freely spray its injurious effect upon the roof, walls, etc., because of the cost (practically nominal) of a good Exhaust Head as a preventive.

**Eliminates Trouble**—A dripping exhaust pipe is an expensive nuisance in more ways than one: it causes roofs to rot; disfigures the walls—your own and perhaps your neighbors; in cold weather, wet and icy sidewalks; injury to clothing of persons passing by, etc. All of these annoyances and losses may be prevented simply through installation of a Wright "CYCLONE" Exhaust Head, in addition to muffling the noise of exhaust steam.

**How it Operates**—The exhaust steam after leaving the exhaust pipe is impinged against the inverted cone. It is then deflected outward against the sides of the inner shell, where the oil and condensation adhere and drip into the gutter,

to be carried below the flow of steam by means of the drip pipes.

**Perfect Separation**—The steam, after being deflected by the cone, passes up between the outer and inner shells (follow the course of the arrows shown in "Sectional View") and is again impinged against another inverted cone which forms the top. The steam then turns and passes down between the inner shell and the outlet pipe, the remaining condensation being removed from the steam by its contact with the under side of the top cone and the outlet pipe.



**An Important Feature**—The condensation is collected by means of the gutter which surrounds the outlet pipe. The gutter is covered by "letters patent" and is used solely in connection with the Wright "CYCLONE" Exhaust Head.

The drip pipes, five in number, lead all condensation below the flow of steam to the waste pipe.

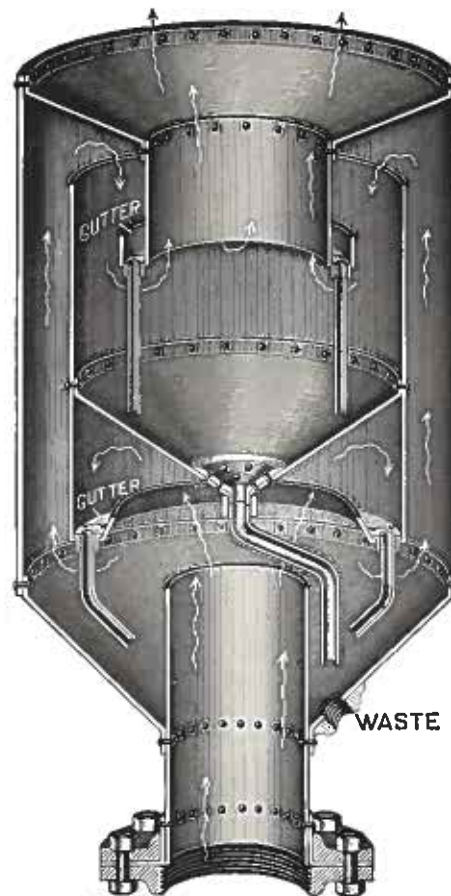
### Other Superior Features—

The great amount of condensing surface contained in the Wright "CYCLONE" Exhaust Head is a distinct advantage. This is also true of the large passages which permit increased expansion of steam, and of the free outlet, which makes this "head" especially adaptable for high-speed engines. All "back pressure" is avoided.

### Construction Details—

The Wright "CYCLONE" Exhaust Head is built for long service. It is practically indestructible, being made throughout of extra heavy galvanized steel plate, riveted, soldered and thoroughly braced. The outer shell is heavily coated with a rust-resisting paint. The drip pipes from gutters and cone are of copper.

**Our Aim**—We have not attempted to make a cheap exhaust head, but one constructed on scientific principles, at as reasonable a price as possible, consistent with first-class workmanship and material.



Sectional View

**Our Guarantee**—We guarantee the Wright "CYCLONE" Exhaust Head to be larger, made of heavier material, and to be more efficient than any "head" on the market. If they are not as we represent them, and entirely satisfactory to the purchaser, we extend full privilege of return at our expense.



## Price List and Dimensions of the Wright "Cyclone" Exhaust Head

Size of Exhaust Pipe, Inches	Price	Height, Inches	Diameter, Inches	Size of Drip Pipe, Inches	Shipping Weight, Pounds
1 or 1½	\$20.00	18½	10	½	30
2 or 2½	25.00	21	12	¾	32
3 or 3½	30.00	23¾	14	1	60
4 or 4½	40.00	27	16	1	72
5	50.00	30½	18	1¼	98
6	60.00	37	21	1¼	130
7	75.00	41½	24	1¼	178
8	90.00	44½	27	1½	208
9	105.00	46¾	30	1½	250
10	125.00	52	33	1½	319
12	150.00	57½	37	2	425
14	200.00	60½	42	2½	550
16	250.00	72	46	2½	700
18	300.00	83	54	3	925
20	360.00	91	63	3	1120

Write for discount.

**P**RICES on sizes from 20 inches, up to and including 84 inches, will be quoted on application. Fluctuation in the cost of material and incidentals prevents a fixed list price on large sizes. **Small sizes up to 2½ inches are fitted with standard threaded nipples. Sizes from 3 inches to 12 inches are fitted with flange unions. In large sizes the flange on exhaust head is made to conform in diameter and drilling with flange on the exhaust pipe.**

In the manufacture of large sizes, the weight of the steel plate used is increased in proportion to the size specified. We take extra precaution to properly stay and brace all "Cyclone" Exhaust Heads, particularly those intended for unusual strain, such as steel plants, rolling mills, etc., where the force of the exhaust is great. In this connection attention is directed to the great internal area of "Cyclone" Exhaust Heads, there being no possibility of any "back pressure" whatever.

We carry in stock, for immediate shipment, all sizes up to 20 inches.

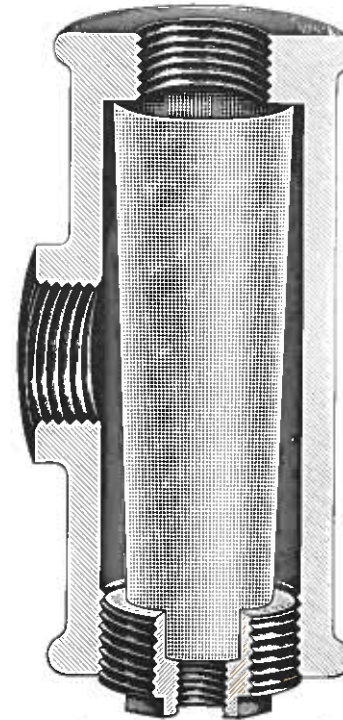


## The Wright Strainer

For Use on Steam or Water Systems

Prevents Sand, Scale and Vegetable Substances from Entering Steam Traps, Water Pipes, Boilers, Meters, Etc.

A Special Strainer for a Special Purpose.



**V**ERY effective where the source of boiler feed is from rivers, ponds, lakes, etc., a condition subjecting the boilers to impurities, resulting in scale, etc.

Installed in pipe lines leading to Steam Traps, (see illustrations of installations on page 19) its use eliminates the possibility of foreign matter obstructing the valves, and in consequence, interfering with satisfactory operation of traps.

Reference to sectional drawing herewith will demonstrate the simple, yet positive action of this Strainer as applied to a hundred or more varying conditions.

The Strainer tube is of brass, and many times larger in area than "inlet."

A simple blow-off valve screwed into the opening in plug and opened occasionally, will serve to keep the Strainer free from accumulated matter.

Strainer tube is easily removed by unscrewing plug to which the tube is attached.

We guarantee satisfactory operation.

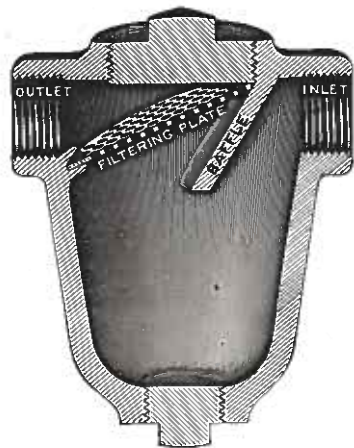
### Price List

No. 000	No. 00	No. 0	No. 1	No. 2	No. 3	No. 4	No. 5
½ in.	¾ in.	1 in.	1¼ in.	1½ in.	2 in.	2½ in.	3 in.
\$2.00	\$2.00	\$2.00	\$2.50	\$3.00	\$5.00	\$7.00	\$9.00



## The Wright Combined Filter, Dirt and Scale Separator

For use on Steam or Water Systems



A HORIZONTAL device designed for practically the same purpose as the WRIGHT FILTER for Vertical installation, described on page 25. Installed in water pipes entering building, its use prevents the admission of vegetable matter, etc., into the water system. Easily cleansed without removing from pipe line. Perforations in filtering plate can be had in any desired number to the square inch. Perfect operation guaranteed.

### Price List

1/2" \$4.00, 3/4" \$4.50, 1" \$6.00, 1 1/4" \$6.50,  
1 1/2" \$7.00, 2" \$7.50, 2 1/2" \$8.00, 3" \$9.00.

Subject to liberal discount.

## The Wright Air Trap

Removes Air from Water Under Pressure

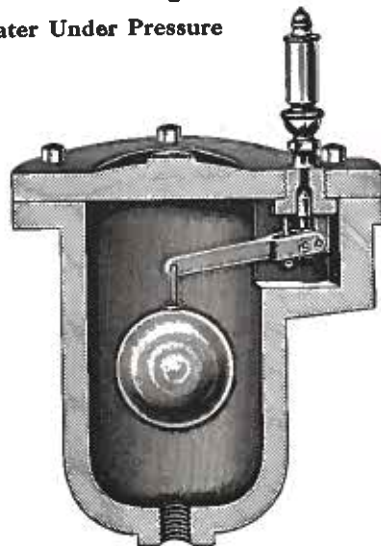
THIS Trap is designed for removing air from water under pressure, for which purpose it is without an equal. It has large capacity, is positive in action and simple in construction. The float is round and seamless. When used in hot water heating systems, the Trap is placed at the highest points. It can be placed in street man holes, requiring no attention whatever.

Other purposes of this Trap are for removing the air from closed water receivers, and for sounding an alarm when the water in closed tanks reaches a lower point than is desired. For the latter service the Trap is equipped with a whistle.

Among a variety of services to which it is adapted is the discharge of air from closed water receivers.

Size of Trap, 6 x 7; inlet, 3/4-in.

Price quoted on application.



## Testimonials

### Endorsing Wright Safety Water Columns

See following pages for Testimonials of other Wright Steam Specialties

#### The Park Brewing Company

WRIGHT MANUFACTURING Co. HANCOCK, MICH.  
Gentlemen—The Wright Improved Safety Alarm Water Column which was furnished by you has proven very satisfactory. Yours very truly,  
PARK BREWING COMPANY,  
Frank J. North, Sec.

#### The Houghton County Street Railway Co.

WRIGHT MANUFACTURING Co. CALUMET, MICH.  
Gentlemen—Your inquiry of Dec. 18th in regard to the Wright Improved Safety Alarm Water Columns at hand. Our chief engineer says they are giving perfect satisfaction, and he thinks they are the best on the market. Yours truly,  
THE HOUGHTON COUNTY STREET RAILWAY Co.,  
By G. A. Richardson, Supt.

#### Ohio State Reformatory

WRIGHT MANUFACTURING Co. MANSFIELD, OHIO.  
Gentlemen—We have had the Wright Improved Safety Alarm Water Columns in use during the past five years and they have given us the very best of service and are always reliable. Yours truly,  
J. EDW. YOUNG, C. E.

#### Crystal Ice and Cold Storage Company

WRIGHT MANUFACTURING Co. ASHLAND, KY.  
Gentlemen—Yours of Dec. 14th is received. Replying to same, beg to say that the Wright Improved Safety Alarm Water Columns furnished by you to this company in February, I am proud to say while in use acted as perfectly as machinery could act. Yours respectfully,  
CRYSTAL ICE & COLD STORAGE Co.,  
Wm. Salisbury, Pres.

#### Detroit Seamless Steel Tubes Company

WRIGHT MANUFACTURING Co. DETROIT, MICH.  
Gentlemen—In reply to your recent favor, beg to advise that the Wright Improved Safety Alarm Water Columns, furnished by you, are giving satisfactory service. Very truly yours,  
DETROIT SEAMLESS STEEL TUBES Co.,  
R. H. Phillips, Sec.

#### Consolidated Arizona Smelting Company

WRIGHT MANUFACTURING Co. HUMBOLDT, ARIZONA.  
Gentlemen—We have had in use for the past year four of your Safety Alarm Water Columns, and are pleased to inform you that they have proven very satisfactory, doing all you claim for them. Many times our water has been quite muddy but the columns have never bothered us by "clogging up." They have helped us to keep a much closer tab on the water tenders than I was able to do before I put them on. Yours truly,  
L. W. KIRK, M. M.

#### De Loach Mill Manufacturing Co.

WRIGHT MANUFACTURING Co. BRIDGEPORT, ALA.  
Gentlemen—Answering yours of the 9th, we are pleased to add our testimonial as to the excellent quality of your Safety Alarm Water Columns. We have used two of them and could not want anything better. Very truly yours,  
DE LOACH MILL MFG. Co.,  
A. De Loach, Pres.





**The Snider Manufacturing Co.**

LOGAN, OHIO.

WRIGHT MANUFACTURING Co.  
*Gentlemen:*—The Wright Improved Safety Alarm Water Column furnished us in April has been and is now giving perfect satisfaction and we would certainly recommend same very highly, as we think the said columns are one of, if not the best on the market to-day.  
 Yours respectfully,  
 THE SNIDER MFG. Co.

**Mary Charlotte Mining Company**

NEGAUNEE, MICH.

WRIGHT MANUFACTURING Co.  
*Gentlemen:*—The six Wright "Victor" Safety Alarm Water Columns furnished us in July have been fitted to our boilers and are giving very satisfactory results. They are just what we were in need of long before we had them. A short time ago our boiler feed pump went wrong and the fireman could not get water into the boiler. I myself was quite a distance from the boiler but I heard the alarm and I got there as quickly as I possibly could, and found the fireman pulling the fire as fast as he could. I am not going to say what might have happened if we did not have the Victor Safety Alarm attachment on our boiler.  
 Yours very truly,  
 MARY CHARLOTTE MINING COMPANY,  
 By J. O. Toley, Supt.

**"Oliver" Machinery Co.**

GRAND RAPIDS, MICH.

WRIGHT MANUFACTURING Co.  
*Gentlemen:*—We have been using two of your Wright Improved Safety Alarm Water Columns since December, 1906, and we desire to express our entire approval of these devices. We have been using them constantly ever since their installation, and they have proven entirely satisfactory in every respect.  
 We have had no occasion at any time to question their absolute efficiency in the work assigned them.  
 Yours truly,  
 "OLIVER" MACHINERY Co.,  
 A. N. Spencer, Vice-Pres.

**The Crystal Ice and Coal Co.**

LIMA, OHIO.

WRIGHT MANUFACTURING Co.  
*Gentlemen:*—The Wright Improved Safety Alarm Water Column which we purchased from your company in April has been in use night and day and has given the best of results. We can recommend it to anyone in the market for a good column.  
 Yours truly,  
 THE CRYSTAL ICE & COAL Co.,  
 By H. B. Craig, Mgr.

**Cypress Hardwood Co.**

CYPRESS, ALA.

WRIGHT MANUFACTURING Co.  
*Gentlemen:*—Referring to Wright Improved Safety Alarm Water Column bought of you in May, would say that so far this column has given perfect satisfaction. I have never known it to fail in giving the alarm when water gets too high or too low. I would not feel safe in running without it. I have to keep steam in my dry kiln at night and trust to fireman keeping plenty of water in boiler, the whistle giving alarm makes him much more careful about his water than he would otherwise be as he knows that if the whistle continues to blow I shall be down to see what is the matter.  
 Yours truly,  
 CYPRESS HARDWOOD Co.,  
 By G. Bridgen, Pres.

**Allouez Mining Company**

CALUMET, MICH.

WRIGHT MANUFACTURING Co.  
*Gentlemen:*—Replying to yours of the 9th, we believe your water columns to be satisfactory as we have had no complaints as yet.  
 Yours very truly,  
 ALLOUEZ MINING COMPANY,  
 By A. D. Nichols, Clerk.

**Cloquet Lumber Co.**

CLOQUET, MINN.

WRIGHT MANUFACTURING Co.  
*Gentlemen:*—In reply to yours of the 16th, this company has eight of your High and Low Improved Safety Alarm Water Columns in use in our sawmills. They are giving us perfect satisfaction in every way. The "high" as well as "low" water alarm is a desirable feature as it has a tendency to keep the water at the desired point.  
 Yours truly,  
 CLOQUET LUMBER Co.,  
 F. E. Fletcher, Mill Supt.



**Schmucker Brewing Co.**

NEW ULM, MINN.

WRIGHT MANUFACTURING Co.  
*Gentlemen:*—In reply to your letter of the 16th inst. regarding the two Wright Improved Safety Alarm Water Columns furnished us in April, will say that the same are one of the best devices ever put on the market, and would advise any one who intends to put in a device for the protection of their boilers to put in the Wright.  
 Yours truly,  
 JOS. SCHMUCKER BRG. Co.,  
 Per A. F. K.

**Bernhard Stern & Sons**

MILWAUKEE, WIS.

WRIGHT MANUFACTURING Co.  
*Gentlemen:*—In reply to your favor of the 25th inst., would say, we take pleasure in stating that our chief engineer is very much pleased with the installation of your Wright Improved Safety Alarm Water Columns, and would not be without them now that he has satisfied himself as to their advantage.  
 Yours truly,  
 BERNHARD STERN & SONS.

**Lehigh Portland Cement Co.**

MITCHELL, IND.

WRIGHT MANUFACTURING Co.  
*Gentlemen:*—We have yours of the 7th inst., asking for testimonial letter from us relative to the efficiency of the Wright Improved Safety Alarm Water Columns, furnished this company by you, and in reply to same would state that we have never had any trouble with the water columns so far, and that as far as we know, they are O. K.  
 Yours truly,  
 LEHIGH PORTLAND CEMENT Co.,  
 Geo. W. Rockwell, Supt.

**Saginaw Mining Co**

NORWAY, MICH.

WRIGHT MANUFACTURING Co.  
*Gentlemen:*—In reply to yours of the 7th, in regard to the two Wright Improved Safety Alarm Water Columns. We have been using these since November, 1906, and up to date have found them perfectly satisfactory in every way. There has never been a time that they have failed to respond when the water was either too high or too low. We have specified your columns on the new 200 H. P. boiler which we have ordered.  
 Yours truly,  
 SAGINAW MINING COMPANY,  
 By E. W. Jones, Supt.

**Ellsworth College**

IOWA FALLS, IA.

WRIGHT MANUFACTURING Co.  
*Gentlemen:*—The two Safety Alarm Water Columns were installed at the Ellsworth College Central Plant in this city and have proven very efficient. I consider them very necessary and a great safety appliance.  
 Yours truly,  
 C. A. WRIGHT.

**The Gem Coal Company**

NELSONVILLE, OHIO.

WRIGHT MANUFACTURING Co.  
*Gentlemen:*—Yours received in regards to the Water Column we have in use and will say it is giving us perfect satisfaction, and would gladly recommend the Wright Safety Water Column to any one as a first-class Column.  
 Yours very truly,  
 THE GEM COAL Co.,  
 Harry B. Summers, Gen. Mgr.

**Endorsing the "Emergency" High Pressure Steam Trap**

**Rahway Steam Laundry**

RAHWAY, N. J.

WRIGHT MANUFACTURING Co.  
*Gentlemen:*—Enclosed please find check for last Trap sent me.  
 And would say in regard to Traps that they are giving even better satisfaction than I expected. The two Traps are saving me \$30.00 to \$35.00 a month on my coal bill and I get better results in my dry rooms and mangle.  
 Yours truly,  
 A. T. CRANE, JR.



**Ohio State Reformatory**

WRIGHT MANUFACTURING CO.

MANSFIELD, OHIO.

Gentlemen—We have four of your "Emergency" High Pressure Steam Traps installed; two of these have been in use about 14 months; they have been entirely satisfactory.

Yours truly,

OHIO STATE REFORMATORY.

J. E. Young, C. E.

**The Sharples Separator Co.**

WRIGHT MANUFACTURING CO.

WEST CHESTER, PA.

Dear Sirs—Your favor of December 10th is received and in reply would state we have a number of Wright "Emergency" High Pressure Steam Traps in use, and we find them the most satisfactory trap we have had experience with. We have purchased several of them recently and, as stated above, all are giving good service.

Yours truly,

THE SHARPLES SEPARATOR CO.,

I. R. Comfort, P. A.

**State University of Iowa**

WRIGHT MANUFACTURING CO.

IOWA CITY, IA.

Gentlemen—Replying to your inquiry, we are pleased to state that the Wright "Emergency" High Pressure Steam Traps purchased from you are giving very satisfactory service.

Very truly,

STATE UNIVERSITY OF IOWA,

G. H. Ellsworth, Supt. Grounds and Bldgs.

**Columbian Steam Laundry**

WRIGHT MANUFACTURING CO.

ALBION, N. Y.

Gentlemen—I enclose check to cover account. Have the Trap set up and working for a week. It certainly is O. K.

Respectfully,

FRANK GAGE, Prop.

**Minot Steam Laundry**

WRIGHT MANUFACTURING CO.

MINOT, N. D.

Gentlemen—In reference to "Emergency" Steam Trap, will say we have one in use for the last three years, which has given entire satisfaction.

MINOT STEAM LAUNDRY.

**The United States Sugar and Land Company**

WRIGHT MANUFACTURING CO.

GARDEN CITY, KANS.

Gentlemen—In reply to your letter of November 23rd in regard to Wright "Emergency" High Pressure and "Victor" Low Pressure Steam Traps, wish to say that we have used these throughout our plant and find them very satisfactory; the low pressure traps are used in connection with our vacuum pans and perform our work in a very satisfactory manner.

We can cheerfully recommend them for use in sugar houses.

Yours truly,

THE UNITED STATES SUGAR & LAND CO.,

E. E. Brusselboul, Supt.

**The Atlas Portland Cement Company**

WRIGHT MANUFACTURING CO.

NORTHAMPTON, PA.

Gentlemen—Referring to your recent favor, relative to the service which the Wright "Emergency" High Pressure Steam Traps are giving us, we reply as follows:

We have in use at our mills in Northampton 27 of these traps. We also have in use at our mills at Hannibal, Mo., 9 Wright traps, making a total of 36 Wright traps in use at our various plants. Our service is rather hard, as we carry pressure of 180 pounds.

We have found these traps entirely reliable and have absolutely abandoned the use of every other make, and for several years past have specified Wright traps wherever steam traps are required.

Yours very truly,

THE ATLAS PORTLAND CEMENT CO.,

W. J. Seaman, Gen'l Supt.



**The Mechanical Rubber Company**

WRIGHT MANUFACTURING CO.

CLEVELAND, OHIO.

Gentlemen—Answering yours of the 18th inst. We have obtained better results from your No. 3 Wright "Emergency" Steam Traps than from any other trap we have used.

Yours very truly,

MECHANICAL RUBBER COMPANY,

Geo. D. Beardsworth, P. A.

**Amalgamated Sugar Company**

WRIGHT MANUFACTURING CO.

OGDEN, UTAH.

Gentlemen—Replying to yours of the 3rd, I will state that the "Emergency" High Pressure and "Victor" Low Pressure Steam Traps furnished us in the past are giving perfect satisfaction.

Yours very truly,

AMALGAMATED SUGAR CO.,

H. T. Dyer, Supt.

**Waverly Sugar Manufacturing Co.**

WRIGHT MANUFACTURING CO.

THIBODAUX, LA.

Gentlemen—Replying to your letter of April 28, I have used your Wright "Emergency" High Pressure Steam Traps, and will say they give perfect satisfaction.

Yours truly,

WAVERLY SUGAR MANUFACTURING CO.

**Amalgamated Sugar Company**

WRIGHT MANUFACTURING CO.

LA GRANDE, OREGON.

Gentlemen—We are pleased to state that we have been using Wright "Emergency" High Pressure Steam Traps since July last, and find them perfectly satisfactory in every respect and as represented by you.

Yours very truly,

AMALGAMATED SUGAR CO.

**The Floyd Wells Co.**

WRIGHT MANUFACTURING CO.

ROYERSFORD, PA.

Gentlemen—Your letter of the 25th of November has been unanswered, owing to the illness of the writer.

The Wright "Emergency" High Pressure Steam Trap does all you claim for it, and we do not see how we could get along without it.

Yours truly,

THE FLOYD WELLS CO.,

Geo. W. Wagoner, Treasurer.

**Ramos Lumber Co.**

WRIGHT MANUFACTURING CO.

RAMOS, LA.

Gentlemen—We have two "Emergency" Steam Traps in use and find that they work very satisfactorily.

RAMOS LUMBER CO.

**Arkadelphia Roller Mill**

WRIGHT MANUFACTURING CO.

ARKADELPHIA, ARK.

Gentlemen—Referring to yours of the 20th, we are using three of your "Emergency" High Pressure Steam Traps, and find they have given entire satisfaction; hence I commend them to any one wanting steam traps.

Yours truly,

ARKADELPHIA MILLING CO.,

W. N. Adams, Secy. and Mgr.

**Fort Worth Cotton Oil Co.**

WRIGHT MANUFACTURING CO.

FORT WORTH, TEXAS.

Gentlemen—Your favor of the 18th received, and in reply will say that your Wright "Emergency" Trap, which we put in this season, has given us entire satisfaction, and we do not know how we can say anything more for it.

Yours very truly,

FORT WORTH COTTON OIL CO.,

F. A. Blain, Gen'l Mgr.



**Corsicana Cotton Oil Company**

WRIGHT MANUFACTURING CO.

CORSICANA, TEXAS.

*Gentlemen*—In reply to your inquiry about the "Emergency" High Pressure Steam Trap we bought of you in May, 1907, will say that it has given us perfect satisfaction. It gives dry steam in our cooking heaters with the least possible loss and were we in the market for another trap would certainly specify the Wright.

Yours respectfully,

C. P. LAMONS,  
Superintendent.

**Grand Ledge Chair Company**

WRIGHT MANUFACTURING CO.

GRAND LEDGE, MICH.

*Gentlemen*—We expect to be in the market for six No. 3 Wright "Emergency" Steam Traps in the near future, and as the trap we purchased from you in June, 1907, has given such exceptionally good service, we are desirous of having these installed in preference to any other trap.

We wish to say that the trap above mentioned has never caused us one moment's trouble, which we cannot say of some of the other traps in our institution. Kindly let us hear from you at your earliest convenience, and oblige.

Yours very truly,

GRAND LEDGE CHAIR CO.,  
E. A. Trumbull.

**The Commonwealth Cotton Oil Company**

WRIGHT MANUFACTURING CO.

CUSHING, OKLA.

*Gentlemen*—This is to certify that we have used the Wright "Emergency" High Pressure Steam Trap and have found same to be very satisfactory. We do not hesitate to recommend same to steam users.

Yours very truly,

THE COMMONWEALTH COTTON OIL CO.,  
J. H. Bellis, Mgr.

**Janesville Granite, Brick and Stone Company**

WRIGHT MANUFACTURING CO.

JANESVILLE, WIS.

*Gentlemen*—I have today written to Mr. W. H. Hughes, Superintendent of the Michigan Pressed Brick Co., of your city, recommending him to buy of you two of your "Emergency" High Pressure Traps, for use on the hardening cylinders at his plant. They have given me such good service for similar work to his that I felt it my duty to "put him next." It is now "up to you."

Respectfully,

JANESVILLE GRANITE BRICK & STONE CO.,  
R. L. Corley, Gen. Mgr.

**Chelsea Laundry**

WRIGHT MANUFACTURING CO.

ATLANTIC CITY, N. J.

*Gentlemen*—Enclosed find check for bill. Your "Emergency" Trap is working fine, doing all and more than you claimed for it. I would not be without it. I am saving coal and having plenty of heat. Will be in the market for another one in June.

E. A. HAINES, Prop.

**Star Laundry**

WRIGHT MANUFACTURING CO.

CHATTANOOGA, TENN.

*Gentlemen*—We are using six of your No. 2 "Emergency" Traps, they are entirely satisfactory in every respect.

Yours truly,

STAR LAUNDRY.

**The Watt Mining Car Wheel Co.**

WRIGHT MANUFACTURING CO.

BARNESVILLE, OHIO.

*Gentlemen*—Your favor 20th inst. received. We have been using one of your "Emergency" High Pressure Steam Traps for several months, and find that it gives us entire satisfaction. If we required another steam trap, we would purchase same from you.

Yours truly,

THE WATT MINING CAR WHEEL CO.,  
P. H. Laughlin, Secretary.



**Milwaukee Corrugating Co.**

WRIGHT MANUFACTURING CO.

MILWAUKEE, WIS.

*Gentlemen*—In answer to your favor of the 20th inst., we herewith beg to inform you that the Wright "Emergency" Steam Trap furnished us last June is giving the best of satisfaction, and is just as represented by you.

Yours truly,

MILWAUKEE CORRUGATING CO.,  
A. J. Luedke, Secretary.

**The Michigan Paper Company**

WRIGHT MANUFACTURING CO.

PLAINWELL, MICH.

*Gentlemen*—Replying to yours of December 9th, would say the five Wright "Emergency" High Pressure Traps are giving perfect satisfaction.

Yours truly,

THE MICHIGAN PAPER CO.,  
J. W. Gilsey, Secy. and Mgr.

**Sanford Sash and Blind Company**

WRIGHT MANUFACTURING CO.

SANFORD, N. C.

*Gentlemen*—We have been using one of your No. 3 Wright "Emergency" Steam Traps for something over a year, and have found it entirely satisfactory. It has answered every purpose for which we have used it.

Yours truly,

SANFORD SASH & BLIND CO.

**Piedmont Electric Light and Power Co**

WRIGHT MANUFACTURING CO.

PIEDMONT, W. VA.

*Gentlemen*—The two "Emergency" High Pressure Steam Traps purchased of you in October, 1906, are very satisfactory and give us no trouble whatever.

Yours truly,

PIEDMONT ELECTRIC LIGHT & POWER CO.,  
H. B. Carroll, President.

**People's Laundry**

WRIGHT MANUFACTURING CO.

MOBERLY, MO.

*Gentlemen*—I have all the steam traps I need in the No. 4 you sold me some two or three years ago.

You also sold me a receiving tank to connect to it and this trap is successfully taking care of my entire plant with the exception of dry room tumbler, which I could not connect on account of its location.

H. FRANK HOLMAN.

**Brooks-Scanlon Company**

WRIGHT MANUFACTURING CO.

KENTWOOD, LA.

*Gentlemen*—In reply to yours of the 26th, concerning the efficiency of the Wright "Emergency" High Pressure Steam Traps, beg to advise we are using five of your traps which were furnished in August, 1906, and must say they are giving entire satisfaction.

We have had no trouble whatever with them up to this time, and we have every confidence in their efficiency in the future.

Yours truly,

BROOKS-SCANLON CO.

**Mason City Steam Laundry**

WRIGHT MANUFACTURING CO.

MASON CITY, IOWA.

*Gentlemen*—We have used your "Emergency" High Pressure Steam Trap for a year and find it very satisfactory in every way.

Yours truly,

BUCKWALD & ROSENBERGER.

**Louise Mill**

WRIGHT MANUFACTURING CO.

CHARLOTTE, N. C.

*Gentlemen*—We have your favor of December 7th and, in reference to the Wright "Emergency" High Pressure Steam Traps, will state that so far as we know they are giving satisfaction.

Yours truly,

E. C. DWELLE,  
Secretary.



**The Martin Carriage Works**

WRIGHT MANUFACTURING CO. YORK, PA.

Gentlemen:—We are using one of your Wright "Emergency" High Pressure Steam Traps. It is handling the condensation of the heating system from the main office very nicely, and is very satisfactory.

Yours truly,  
THE MARTIN CARRIAGE WORKS.

**The Graniteville Manufacturing Co.**

WRIGHT MANUFACTURING CO. GRANITEVILLE, S. C.

Gentlemen:—Your inquiry dated December 2nd, duly received. In reply: The two Wright "Emergency" High Pressure Steam Traps purchased from you in October, 1906, are giving us perfect satisfaction. The Wright "Emergency" is the best steam trap we have ever used.

Yours truly,  
GRANITEVILLE MANUFACTURING CO.  
T. H. Rennie, Supt.

**Stoughton Wagon Company**

WRIGHT MANUFACTURING CO. STOUGHTON, WIS.

Gentlemen:—We are pleased to advise that the Wright "Emergency" High Pressure Steam Trap purchased from you about a year ago is doing excellent work, and all that you claim for it. We have several different makes of traps in our plant, but consider yours more efficient than any of the others.

Yours respectfully,  
STOUGHTON WAGON CO.,  
H'm. C. Hegelmeier, Secy.

**Bennington and North Adams Street Railway Company**

WRIGHT MANUFACTURING CO. HOOSICK FALLS, N. Y.

Gentlemen:—We purchased one of your "Emergency" High Pressure Steam Traps over a year ago, and we are pleased to say to you that it is doing the work required of it all right.

Yours very truly,  
GEO. F. GREENE,  
Superintendent.

**Bartow Lumber Company**

WRIGHT MANUFACTURING CO. CARTERSVILLE, GA.

Gentlemen:—Replying to your favor of November 25th, will say that we have made several rather exhaustive tests of your "Emergency" High Pressure Steam Trap. This trap is giving entire satisfaction, and where the necessary steam pressure is carried it has never failed to discharge. The trap is well constructed. It is easy to get at, and we are entirely satisfied with the same.

Yours very truly,  
F. H. ENWRIGHT,  
General Manager.

**J. E. McGuire Syrup Mill**

WRIGHT MANUFACTURING CO. WILMINGTON, TEXAS.

Gentlemen:—I would like to say that the two "Emergency" Steam Traps that you sold me are giving perfect satisfaction. I consider them the best investment about my plant, and regret that I didn't put them in sooner.

Yours truly,  
J. E. MCGUIRE.

**The Colorado Fuel and Iron Co.**

WRIGHT MANUFACTURING CO. SUNRISE, WYO.

Gentlemen:—Am pleased to say that your Wright "Emergency" High Pressure Steam Traps which have been in use here since September, 1906, are giving entire satisfaction.

Yours very truly,  
L. B. WERT,  
Superintendent.

**Orient Coke Company**

WRIGHT MANUFACTURING CO. ORIENT, FAYETTE CO., PA.

Gentlemen:—Replying to your letter of December 14, would state that your "Emergency" High Pressure Steam Trap furnished by you in February, has been in constant use ever since, and has given entire satisfaction up to date.

Yours truly,  
ORIENT COKE COMPANY,  
Chas. Oppermann, Superintendent.



**The Rugby Coal Mining Company**

WRIGHT MANUFACTURING CO. DENVER, COLO.

Gentlemen:—Referring to your favor of the 7th instant addressed to us at Rugby, Colorado, which has been referred to this office, our superintendent advises that the Wright "Emergency" High Pressure Steam Trap, which we purchased in September, 1906, has given good satisfaction and is all right, working properly and regularly at this time,—something over a year after its installation.

Yours truly,  
JOHN M. LEAGUE.

**Metzger & Brayer**

WRIGHT MANUFACTURING CO. ROCHESTER, N. Y.

Gentlemen:—Yours of the 15th inst. at hand, and in reply would say that in regard to the efficiency of the Wright "Emergency" High Pressure Steam Trap, that we have found same to be A No. 1 in every respect. We have used this trap for the past seven months, and are very much pleased with same.

Hoping that you will continue to make this quality of steam trap, and assuring you of our future patronage, we remain,  
Yours truly,  
METZGER & BRAYER.

**Sheffield Car Company**

WRIGHT MANUFACTURING CO. THREE RIVERS, MICH.

Gentlemen:—In reply to yours of the 9th regarding the Wright "Emergency" High Pressure Steam Traps that you furnished us in January, would say that our works engineer advises us that of the several different makes of traps that we have in the plant yours causes us the least trouble and he likes it very well.

Trusting this information will be of service to you, we are,  
Yours truly,  
SHEFFIELD CAR CO.,  
E. B. Linsley, Treas. and Mgr.

**The Mersman Bros., Brands Co.**

WRIGHT MANUFACTURING CO. CELINA, OHIO.

Gentlemen:—Yours of December the 7th at hand, will say that your "Emergency" High Pressure Steam Trap, we find, are the only traps that we have had any success with. We have used a great many different kinds, but we find that your traps work the most successful, and we assure you that when we are in need of any more traps, we shall use only your make.

Yours respectfully,  
THE MERSMAN BROS., BRANDS CO.,  
By Hugo Brandts.

**Wilmington Steam Laundry**

WRIGHT MANUFACTURING CO. WILMINGTON, N. C.

Gentlemen:—I have three of your "Emergency" High Pressure Steam Traps in use in my laundry and they give entire satisfaction. Should I need any more I will use the Wright Steam Trap.

Very respectfully,  
J. T. HARPER.

**General Roofing Mfg. Co.**

WRIGHT MANUFACTURING CO. EAST ST. LOUIS, ILL.

Gentlemen:—Referring to yours of the 16th inst. would advise that the Wright Traps which we have in our factory have proven entirely satisfactory up to the present time.

Very truly yours,  
GENERAL ROOFING MFG CO.,  
Per T. A. Peter, Purchasing Agent.

**The Ohio Implement Company**

WRIGHT MANUFACTURING CO. BOWLING GREEN, OHIO.

Gentlemen:—We have before us your letter of Dec. 7th. In reply will say that your "Emergency" High Pressure Steam Traps have proven very satisfactory and have given us good service up to the present time.

Very truly yours,  
THE OHIO IMPLEMENT CO.,  
C. E. Brotherton.



**The Buckeye Steel Castings Co.**

WRIGHT MANUFACTURING CO. COLUMBUS, OHIO.  
*Gentlemen*—Replying to your letter of September 23rd, beg to advise we have used your Steam Traps for a long time and they have given us excellent service. We have found them very quick to respond to any unusual flow of condensation and steam tight.  
 Yours very truly,  
 THE BUCKEYE STEEL CASTINGS CO.,  
*Per T. V. Taylor.*

**U. S. Hame Company**

WRIGHT MANUFACTURING CO. BUFFALO, N. Y.  
*Gentlemen*—We have your favor of the 7th inst. inquiring in reference to the Wright "Emergency" Steam Trap which we have in use.  
 We are pleased to say that this trap has given us the very best of satisfaction and we could unhesitatingly recommend the same to anyone desiring anything in this line.  
 Very respectfully yours,  
 W. H. LAWRENCE,  
*Purchasing Agent.*

**West Side Laundry Co.**

WRIGHT MANUFACTURING CO. RACINE, WIS.  
*Gentlemen*—We received the Wright "Emergency" High Pressure Steam Trap and have given it a thorough test and found it very satisfactory. We enclose check for same.  
 Respectfully yours,  
 WEST SIDE LAUNDRY CO.

**Enterprise Cotton Oil Company**

WRIGHT MANUFACTURING CO. AUGUSTA, ARK.  
*Gentlemen*—Replying to your inquiry of the 25th inst., beg to advise that the Wright "Emergency" High Pressure Steam Trap bought from you in June, 1906, has given entire satisfaction.  
 Yours truly,  
 R. H. WINFIELD, *Manager.*

**D. Auerbach & Sons**

WRIGHT MANUFACTURING CO. NEW YORK CITY.  
*Gentlemen*—Complying with your request for our opinion on the efficiency and economy of your steam specialties, we are pleased to state that all the goods purchased from you are giving us perfect satisfaction.  
 We now have in use about 30 of your steam traps, 3 exhaust heads and 2 oil separators in our factory, and are constantly discarding our steam traps of other types, replacing them with your make. We can certainly recommend your goods to all steam users as the best of their kind.  
 Yours truly,  
 D. AUERBACH & SONS.

**Fergus Falls State Hospital**

WRIGHT MANUFACTURING CO. FERGUS FALLS, MINN.  
*Gentlemen*—We have used the Wright "Emergency" High Pressure Steam Trap continuously since July, 1906, and find it very satisfactory.  
 Yours sincerely,  
 G. V. WELTH, *Superintendent.*

**The Boys' Industrial School**

WRIGHT MANUFACTURING CO. LANCASTER, OHIO.  
*Gentlemen*—During the past three years we have had several of your "Emergency" High Pressure Steam Traps in use, and have found them entirely satisfactory in every respect. We do not hesitate to give them the highest recommendation.  
 Yours truly,  
 THE BOYS' INDUSTRIAL SCHOOL,  
*W. N. Hilles, F. O.*

**Barker & Lepine**

WRIGHT MANUFACTURING CO. LAFOURCHIE CROSSING, P. O., LA.  
*Gentlemen*—Your favor of the 20th ult. at hand and in reply we will state that the nineteen Wright "Emergency" Steam Traps that we have are giving us entire satisfaction and we think that they are a great saving to us.  
 Yours truly,  
 BARKER & LEPINE,  
*Per T.*

**The Ohio Boxboard Co.**

THE WRIGHT MANUFACTURING CO. RITTMAN, OHIO.  
*Gentlemen*—We have been using the Wright "Emergency" Steam Trap for two years and will say it has given good satisfaction and will do all that you claim for it.  
 Very truly yours,  
 THE OHIO BOXBOARD CO.,  
*L. H. Breyfogle.*



**Endorsing the "Victor" Low-Pressure Steam Trap**

**Mitts & Merrill**

WRIGHT MANUFACTURING CO. SAGINAW, MICH.  
*Gentlemen*—The two "Victor" Low Pressure Steam Traps we bought from you about two years ago have given us very good satisfaction. We have no fault whatever to find with them.  
 Yours truly,  
 MITTS & MERRILL.

**Rock Island Plow Co.**

WRIGHT MANUFACTURING CO. ROCK ISLAND, ILL.  
*Gentlemen*—Answering yours of the 25th inst., would state that we are using your "Victor" Low Pressure Steam Traps, which we are pleased to say have given good satisfaction on naphtha.  
 Yours truly,  
 ROCK ISLAND PLOW CO.,  
*H. J. Kahlke, Sec.*

**Walker-Smith Company**

WRIGHT MANUFACTURING CO. BROWNWOOD, TEX.  
*Gentlemen*—The Wright "Victor" Low Pressure Steam Traps purchased from you for use in our candy factory, have given perfect satisfaction and have made quite a saving. We consider them first-class in every respect.  
 Yours truly,  
 WALKER SMITH CO.

**Elliott-Fisher Company**

WRIGHT MANUFACTURING CO. HARRISBURG, PA.  
*Gentlemen*—The special heating traps furnished us some time ago, are giving us complete satisfaction.  
 Yours very truly,  
 ELLIOTT-FISHER CO.,  
*Chas. P. Lagauke, Supt.*

**C. H. Bidwell Thresher Co.**

WRIGHT MANUFACTURING CO. BATAVIA, N. Y.  
*Gentlemen*—The Wright "Victor" Steam Trap furnished us in February, 1907, has given us perfect satisfaction. We believe it to be the most efficient low pressure trap now on the market. It is always ready, ever working and needs, practically, no attention.  
 Very truly yours,  
 C. H. BIDWELL, THRESHER CO.,  
*I. J. Carmichael, Supt.*

**The Norwich Pharmacal Company**

WRIGHT MANUFACTURING CO. NORWICH, N. Y.  
*Gentlemen*—We have had one of your "Victor" Low Pressure Steam Traps in constant use since October 24, 1904. The writer is pleased to say he considers it the best steam trap that has come under his observation during the past 20 years. We believe it represents the highest efficiency and it is always working and needs practically no attention.  
 Very truly yours,  
 THE NORWICH PHARMACAL CO.,  
*R. C. Stofer, Vice-Pres.*

**St. Joseph Lead Company**

WRIGHT MANUFACTURING CO. BONNE TERRE, MO.  
*Gentlemen*—We are in receipt of your letter of April 25th. We are pleased to say that the "Victor" Low Pressure Steam Traps, one at the Bonne Terre Plant, and three at the Herculaneum Plant, have given us entire satisfaction and we can highly recommend them.  
 Very truly yours,  
 R. R. S. PARSONS.

**The State University of Iowa**

WRIGHT MANUFACTURING CO. IOWA CITY, IA.  
*Gentlemen*—Replying to your inquiry, we are pleased to state that the Wright "Victor" Low Pressure Steam Traps purchased from you are giving very satisfactory service.  
 Very truly,  
 G. H. ELLSWORTH,  
*Supt. Grounds and Bldgs.*



**Smith & Ellis Co.**

WRIGHT MANUFACTURING CO.

*Gentlemen*—In reply to your inquiry of Dec. 18th, would say that we have now been using two of your "Victor" Steam Traps for six months, and would say that same are perfectly satisfactory to us, and regret that we did not install them some time ago.

Respectfully yours,

CANASTOTA, N. Y.

SMITH & ELLIS CO.

**General Railway Signal Company**

WRIGHT MANUFACTURING CO.

*Gentlemen*—In reference to your inquiry of Dec. 20th regarding three Wright "Victor" Low Pressure Steam Traps furnished us last summer, beg to advise that these traps are giving us good satisfaction. We have not experienced any trouble whatever with them up to the present time.

Very truly yours,

GENERAL RAILWAY SIGNAL CO.  
H. Cairns, Supt.

ROCHESTER, N. Y.

**Webster Manufacturing Co.**

WRIGHT MANUFACTURING CO.

*Gentlemen*—Replying to your letter of the 16th inst., will say that the Wright "Victor" Steam Traps furnished us March, 1907, have given us entire satisfaction. We now have seven of these traps in use for over a year and have had no trouble with them.

Yours truly,

WEBSTER MFG. CO.  
A. W. Highfield, Pres.

SUPERIOR, WIS.

**De Kalb-Sycamore and Interurban Traction Company**

WRIGHT MANUFACTURING CO.

*Gentlemen*—Replying to your letter of Dec. 11th, beg to advise that Wright "Victor" Steam Trap furnished to this company some time ago has been in service for the past nine months and has given all the satisfaction that could be desired from a trap of this kind. It has, in fact, given us so little bother that we had almost forgotten that we had it installed, and we consider it one of the best devices of its kind that we have on our system.

Yours very truly,

DE KALB-SYCAMORE ELECTRIC CO.  
D. Thomson, Gen. Mgr.

DEKALB, ILL.

**West Side Lumber Company**

WRIGHT MANUFACTURING CO.

*Gentlemen*—We are pleased to advise you that the Wright "Victor" Steam Traps furnished us in August, 1906, have fully met our requirements.

Yours truly,

WEST SIDE LUMBER COMPANY,  
By J. R. Preece.

TUCUMNE, CAL.

**The Ames-Bonner Company**

WRIGHT MANUFACTURING CO.

*Gentlemen*—We have had one of your "Victor" Steam Traps in use since November, 1906. So far it has needed no attention whatever. It has been operating on our heating system and gives perfect satisfaction.

Yours very truly,

THE AMES-BONNER CO.  
W. H. Dinwiddie, Supt.

TOLEIKI, OHIO.

**British Columbia Electric Railway Company, Limited**

WRIGHT MANUFACTURING CO.

*Gentlemen*—We have the Wright "Victor" Low Pressure Steam Traps connected to our car shed heating system. The traps have been in service for the past two years, and are giving us excellent satisfaction.

ALBERT HOWARD, Local Mgr.

VICTORIA, B. C.

**Sharples Separator Co.**

WRIGHT MANUFACTURING CO.

*Gentlemen*—Your favor of recent date is received and in reply would state, we have a number of Wright "Victor" Low Pressure Steam Traps in use and we find them the most satisfactory low pressure trap we have had experience with. We have purchased several of them recently and, as stated above, all are giving good service.

Yours truly,

SHARPLES SEPARATOR CO.,  
I. R. Comfort, P. A.

WEST CHESTER, PA.



**Endorsing the "Cyclone" Exhaust Head**

**The Buffalo Dredging Company**

WRIGHT MANUFACTURING CO.

*Gentlemen*—We wish to state that the 3" and 6" "Cyclone" Exhaust Heads purchased from you last spring and used on our dredges during this last season, have been entirely satisfactory and are a great success as a water catcher. In fact, we would say they are the best device we ever used for this purpose.

Yours very truly,

THE BUFFALO DREDGING COMPANY,  
H. M. Logan, Superintendent.

BUFFALO, N. Y.

**Vandalia Coal Company**

WRIGHT MANUFACTURING CO.

*Gentlemen*—Replying to your communication of the 9th ult., will say that we are very much pleased with the operation of our 12" Wright "Cyclone" Exhaust Head.

This head has saved the surrounding roof from corrosion and has also saved quite a little hot water during the day. Steam issues through the exhaust head noiselessly and in such small quantities that it vanishes within a few feet, so that we are saved the annoyance of having our mine buildings completely enveloped in steam, as is the case with some of our mines where we do not use the exhaust head.

Yours very truly,

VANDALIA COAL CO.  
Per J. M. Oule, Jr., Chief Engineer.

LINTON, IND.

**The Theodore Schwamb Company**

WRIGHT MANUFACTURING CO.

*Gentlemen*—Yours of December 16th, in regard to "Cyclone" Exhaust Head, furnished us in April, 1907, came duly to hand.

The Exhaust Head is working very satisfactory, we having had no trouble with it.

Yours very truly,

THE THEODORE SCHWAMB COMPANY,  
By Peter Schwamb.

ARLINGTON, MASS.

**Parker & Stearns**

WRIGHT MANUFACTURING CO.

*Gentlemen*—Enclosed and check for "Cyclone" Exhaust Head. We have it on and it works to perfection. Our neighbors threatened to bring suit against us as our exhaust made so much noise. Now we are all happy.

Very truly yours,

PARKER & STEARNS.

JOHNSON, VT.

**Saxony Mills**

WRIGHT MANUFACTURING CO.

*Gentlemen*—We bought one of your 10" "Cyclone" Exhaust Heads some six months ago. We placed this on our 10" exhaust and it has been working very satisfactory, so much so that we wouldn't do without it at any price. The only thing we now exhaust is a little vapor, perfectly dry in every respect.

Yours truly,

SAXONY MILLS.

ST. LOUIS, MO.

**Beatrice Corn Mills**

WRIGHT MANUFACTURING CO.

*Gentlemen*—For your information we are pleased to advise you that we have used one of your "Cyclone" Exhaust Heads during the past year to our entire satisfaction. It does all that it is claimed to do, and we think more. We are much pleased with it.

Very truly yours,

BEATRICE CORN MILLS,  
By Miller.

BEATRICE, NEB.

**The Lawrence Milling and Elevator Co.**

WRIGHT MANUFACTURING CO.

*Gentlemen*—After having used one of Wright's "Cyclone" Exhaust Heads for more than one year, we are pleased to say that it has given us perfect satisfaction.

Yours truly,

LAWRENCE MILLING AND ELEV. CO.,  
By H. E. Bowman, Mgr.

LAWRENCE, NEB.



**S. & J. C. Atlee**

WRIGHT MANUFACTURING CO. FORT MADISON, IA.  
*Gentlemen*—We have in use one of your 10" "Cyclone" Exhaust Heads, giving us entire satisfaction. Also have in use several of your No. 5 Wright Improved Safety Alarm Water Columns, all of which are giving us the best of satisfaction. And to any concerns requiring the use of these appliances we take pleasure in recommending them.  
 Yours truly, S. & J. C. ATLEE.

**Pressed Steel Sanitary Mfg. Co.**

WRIGHT MANUFACTURING CO. DETROIT, MICH.  
*Gentlemen*—Replying to your letter of the 20th inst., we have two of the "Cyclone" Exhaust Heads in use and they are giving satisfaction in every way as far as we are able to judge.  
 Yours truly, PRESSED STEEL SANITARY MFG. CO.,  
 Clarence H. Booth, Gen. Mgr.

**Pilot Point Roller Mill Co.**

WRIGHT MANUFACTURING CO. PILOT POINT, TEX.  
*Gentlemen*—Our boiler room with a flat metal covered roof had the exhaust pipe through it and was continually wet with the condensed steam and we realized it would not last long in that condition. We put on one of your Exhaust Heads which takes care of all the condensed water, which we carried to one side with the added drain pipe and had no more moisture from that source on the roof. Will say that the Wright "Cyclone" Exhaust Head has done for us all that we bought it for.  
 Yours truly, PILOT POINT ROLLER MILL CO.

**Winona Cotton Mills**

WRIGHT MANUFACTURING CO. WINONA, MISS.  
*Gentlemen*—Replying to your favor of the 15th, would say that the 10" Wright "Cyclone" Exhaust Head we purchased of you last May has been giving good satisfaction and we are well pleased with it.  
 Yours truly, WINONA COTTON MILLS,  
 H. W. Clark, Sec. and Treas.

**The American Steel Package Co.**

WRIGHT MANUFACTURING CO. DEFIANCE, OHIO.  
*Gentlemen*—We have your letter of the 7th inst. and are pleased to advise that we have two of the Wright "Cyclone" Exhaust Heads which have been in use for more than a year, proving perfectly satisfactory. We are not at the present time in the market for material of this kind; however, if we were, we most certainly would use "Cyclone" Heads.  
 Very truly yours, THE AMERICAN STEEL PACKAGE CO.

**The Bird Iron Company**

WRIGHT MANUFACTURING CO. CULBERTSON, OHIO.  
*Gentlemen*—We have only used the 2½" Cyclone Exhaust Head so far. The 10" one we have not used at all, but are going to put it up now during a shut-down. You may say, however, that the 2½" Head has given us good satisfaction thus far.  
 Yours truly, THE BIRD IRON COMPANY,  
 By E. J. Bird, Gen. Mgr.

**St. Regis Paper Company**

WRIGHT MANUFACTURING CO. DEFERJET, N. Y.  
*Gentlemen*—In reply to your inquiry of the 7th inst., regarding the Wright "Cyclone" Exhaust Head furnished us, would say that we are very well pleased with the "Cyclone" and have found that it has done even more than you promised it would do.  
 Yours truly, ST. REGIS PAPER CO.,  
 J. W. Ball, Supt.

**Rosemary Manufacturing Company**

WRIGHT MANUFACTURING CO. ROANOKE RAPIDS, N. C.  
*Gentlemen*—Answering your favor of the 7th, will say the 12" "Cyclone" Exhaust Head, furnished us in 1906, has proved very satisfactory so far.  
 Yours very truly, ROSEMARY MFG. CO.,  
 By Jno. L. Patterson, Mgr.



**The Shawnee Flash Brick Company**

WRIGHT MANUFACTURING CO. COLUMBUS, OHIO.  
*Gentlemen*—Having given your Wright "Cyclone" Exhaust Head a true test, will say that it is the best in this line I have ever seen, and am pleased to recommend it to my friends. I have been handling steam for several years and don't see how I got along without it so long. It pays for itself in a short time.  
 Yours very truly, SHAWNEE FLASH BRICK CO.,  
 E. M. Starner, Supt.

**McConnell Manufacturing Company**

WRIGHT MANUFACTURING CO. HORNELL, N. Y.  
*Gentlemen*—We have yours of the 7th, asking us in regard to the Wright "Cyclone" Exhaust Heads, that we purchased from you in November, 1906. In reply would say that we are only too glad to give you this testimonial letter because we are perfectly satisfied with them, and although we have several different kinds of exhaust heads on our factory, we consider yours the best.  
 Yours very truly, MCCONNELL MFG. CO.

**The Blackford Window Glass Co.**

WRIGHT MANUFACTURING CO. VINCENNES, IND.  
*Gentlemen*—Replying to your favor of the 10th inst. with reference to your 4" Wright "Cyclone" Exhaust Head furnished in January of this year, beg to state that same has given us satisfaction and is doing efficient work at this time.  
 We had previously used several devices of our own make without much result, but since we have put this Exhaust Head on we have had no trouble to take care of the waste steam and water.  
 Yours very truly, FRANK HASTIN, Sec.

**Regal Shoe Company**

WRIGHT MANUFACTURING CO. WHITMAN, MASS.  
*Gentlemen*—In reply to yours of May 12th, we would say that we find your 8" "Cyclone" Exhaust Head doing all that was expected of it, and if we were in need of greater capacity of this kind should repeat our order.  
 Yours truly, REGAL SHOE COMPANY, INC.

**De Loach Mill Manufacturing Co.**

WRIGHT MANUFACTURING CO. ATLANTA, GA.  
*Gentlemen*—We have your favor of the 15th and it affords us pleasure always to endorse a good thing, such as we consider your "Cyclone" Exhaust Head, which we purchased from you about two years ago. We do not see how anybody could want anything better.  
 Yours truly, DELOACH MILL MFG. CO.,  
 By A. A. DeLoach, Pres.

**Grand Rapids Engraving Co.**

WRIGHT MANUFACTURING CO. GRAND RAPIDS, MICH.  
*Gentlemen*—We hereby wish to state that your 7" Wright "Cyclone" Exhaust Head is doing fine work. It does not make any noise or spray on the buildings, nor any "back pressure." Will say it is the "best" one that I have ever had any experience with, and I have used several different kinds of heads. Would say to all users of exhaust heads that the "Wright Cyclone" beats them all.  
 Yours very truly, GRAND RAPIDS ENGRAVING CO.,  
 L. M. Chaption, Chief Engineer.

**The Fahys Watch Case Co.**

WRIGHT MANUFACTURING CO. SAG HARBOUR, N. Y.  
*Gentlemen*—Referring to the several Wright "Cyclone" Exhaust Heads we purchased of you, would state that we are well pleased with the results obtained, and find they give better satisfaction than anything of their kind we have ever used.  
 Very truly yours, THE FAHYS WATCH CASE CO.,  
 C. Schaefer, Supt.

**Nichols & Cox Lumber Co.**

WRIGHT MANUFACTURING CO. GRAND RAPIDS, MICH.  
*Gentlemen*—We have been using one of your "Cyclone" Exhaust Heads since April, 1907, and have been well satisfied with it in every respect.  
 Yours very truly, NICHOLS & COX LUMBER CO.



## Farrand Organ Company

WRIGHT MANUFACTURING CO. DETROIT, MICH.  
*Gentlemen:*—Yours of April 29th to hand. We are pleased to advise that the Wright "Cyclone" Exhaust Head supplied us last July has proven entirely satisfactory. It has more than met our expectations, and is a proved root-saver. We heartily recommend same to all users.  
 Yours truly,  
 FARRAND ORGAN COMPANY,  
 W. R. Farrand, Treasurer.

## Daisy Manufacturing Co.

WRIGHT MANUFACTURING CO. PLYMOUTH, MICH.  
*Gentlemen:*—Replying to yours of the 25th, beg to advise you that the Wright "Cyclone" Exhaust Head furnished us in September, 1903, is giving us excellent satisfaction. When we installed our new power plant, we had our engineer investigate a number of different appliances with the result that we purchased your make.  
 We consider them to be much better than anything we have heretofore used and would recommend them in the highest terms.  
 Yours truly,

DAISY MANUFACTURING CO.,  
 E. C. Hough, Sec. and Treas.

## The Municipal Water & Lighting Plant

WRIGHT MANUFACTURING CO. MAYVILLE, MICHIGAN  
*Gentlemen:*—Replying to your letter of the 10th, regarding Exhaust Heads which we purchased a year ago, can say that they do the work to our entire satisfaction.  
 I wish also to state that we are using one on an air compressor which is claimed by our best engineers to be one of the severest tests you can put an Exhaust Head to, and it does its work without any trouble.  
 Yours truly,

W. H. NISWONGER,  
 Superintendent.

# Endorsing the "Wright" Filter

## Nulsen, Klein & Krausse Mfg. Co.

WRIGHT MANUFACTURING CO. ST. LOUIS, MO.  
*Gentlemen:*—We are in receipt of your favor of December 14th in reference to the 6 No. 3 Filters furnished us last February. Since installing these Filters, we find that the continuous annoyance previously experienced in having small particles of scale and other foreign matter lodge under the seat of the valves in traps has been entirely eliminated. We consider these filters indispensable where traps are used.  
 Yours very truly,  
 NULSEN, KLEIN & KRAUSSE MFG. CO.,  
 Alb. G. Nulsen, Pres.

## Ogdensburg City Water Works

WRIGHT MANUFACTURING CO. OGDENBURG, N. Y.  
*Gentlemen:*—I desire to testify to the efficiency of Wright Filters for use in removing the larger particles of dirt, scale, etc., which might cause trouble in plumbing, from water under pressure.  
 I believe the Wright Filter fills a long felt want.  
 Yours very truly,  
 H. A. LORD, Supt.

## Hamlet Textile Co.

WRIGHT MANUFACTURING CO. WOONSOCKET, R. I.  
*Gentlemen:*—In answer to yours of the 16th inst., I must say that the 2 1/2" Wright Filter purchased from you in April has given us entire satisfaction. It was a bright idea, and after using it I could not think of using any other. I shall soon be in need of another, at which time you will hear from me.  
 Yours truly,  
 RICHARD DILWORTH, Master Mechanic.

## Luxora Water & Light Co.

WRIGHT MANUFACTURING CO. LUXORA, ARK.  
*Gentlemen:*—We find the Wright Filter all you claim for it. It gives perfect satisfaction.  
 LUXORA WATER & LIGHT CO.