

Saving Fuel, Time and Labor Means the Saving of Money

THESE RESULTS ARE ACCOMPLISHED BY INSTALLING THE "OXYGEN FUEL SAVING"
AND SMOKE CONSUMING EQUIPMENT IN THE BOILERS OF YOUR PLANT :

FACTS TALK!

YOU DO NOT HAVE TO TAKE OUR WORD FOR IT. GLANCE OVER THE FOLLOWING TESTS, THEN
FIGURE THINGS OUT FOR YOURSELF. HOW ABOUT YOUR OWN BOILERS? ARE THEY AS
EFFICIENT AS THEY SHOULD BE? ARE THEY BURNING UP YOUR MONEY?

FACTS TALK!

THE C. S. HYMAN COMPANY, LIMITED.
London, Canada, June 15, 1914.
The Gibbons-Kemp Company, Limited,
London, Ont.

Dear Sirs,—Below is shown copy of tests conducted by our consulting engineer, Mr. Robert Angus, before and after the installation of your equipment on our boilers:

	North Boiler, Before.	North Boiler, After.
Diameter of boiler.....	66 in.	66 in.
Length of boiler.....	16 ft.	16 ft.
Number of tubes.....	74	74
Diameter of tubes.....	3 in.	3 in.
Length of tubes.....	16 ft.	16 ft.
Grate surface in square feet.....	25	25
Kind of grate.....	Shaking	Shaking
Total heating surface.....	1125.94	1125.94
Ratio of grate to heat surface.....	1 to 45.08	1 to 45.08
Test commenced at.....	8 a.m.	8 a.m.
Duration of test.....	10 hours	10 hours
Average gauge pressure.....	60 lbs.	60 lbs.
Kind of fuel used: Youghiogheny ½ lump	4330	4 lump
Lbs of coal fired at each test.....	2560	2560
Lbs ash taken last test only.....	120	120
Lbs of water evaporated each test.....	31640.0	37524.0
Lbs coal fired each hour.....	433	268
Water evaporated each hour.....	3164	275.2
Coal consumed per square foot of grate.....	173.2	106.0
Water evaporated per square foot of grate.....	1285.6	1100.9
Feed water temperature.....	50 deg.	50 deg.
Water evaporated per lb of coal.....	7.30	10.34
Per cent of fuel saved by using the Oxygen Fuel System of boiler setting over the old style.....	41%	
Velocity of air entering system.....	960 ft.	
Size of opening.....	16x19 in.	
Cubic feet of air per minute.....	2025.6	
Height of chimney.....	75 ft.	
Chimney draft in inches of water.....	.375	

THE C. S. HYMAN COMPANY, LIMITED.
(Signed) G. WILSON.

THE C. S. HYMAN COMPANY, LIMITED,
London, Ont.

Dear Sirs,—Below is shown copy of tests conducted by our consulting engineer, Mr. Robert Angus, before and after the installation of your equipment on our boilers:

	South Boiler, Before.	South Boiler, After.
Diameter of boiler.....	72 in.	72 in.
Length of boiler.....	18 ft.	18 ft.
Number of tubes.....	72	72
Diameter of tubes.....	4 in.	4 in.
Length of tubes.....	18 ft.	18 ft.
Grate surface in square feet.....	25	25
Kind of grate.....	Shaking	Shaking
Total heating surface.....	1621.15	1621.15
Ratio of grate to heat surface.....	1 to 64.84	1 to 64.84
Test commenced at.....	8 a.m.	8 a.m.
Duration of test.....	10 hours	10 hours
Average gauge pressure.....	60 lbs.	60 lbs.
Kind of coal used: Youghiogheny ½ lump	5220	4 lump
Lbs of coal fired on each test.....	5220	3500
Lbs ash taken last test only.....	350	350
Lbs of water evaporated each test.....	37700.0	31066.0
Lbs coal fired each hour.....	522	350
Water evaporated per hour.....	3770	3106
Coal consumed per square foot of grate.....	208.8	132.0
Water evaporated per square foot of grate.....	1508.8	1242.6
Feed water temperature.....	50 deg.	50 deg.
Water evaporated per lb of coal.....	7.22	9.41
Per cent of fuel saved by using the Oxygen Fuel Company's System of boiler setting over the old style.....	30	
Velocity of air entering system.....	960 ft.	
Size of opening.....	16x19 in.	
Cubic feet of air per minute.....	2025.6	
Height of chimney.....	75 ft.	
Chimney draft in inches of water.....	.375	

THE C. S. HYMAN COMPANY, LIMITED,
(Signed) G. WILSON.

GIBBONS-KEMP COMPANY, LIMITED.
LONDON:
15 Greene-Swift Bldg.

MONTREAL:
691 St. Catherine St.

TORONTO:
53 Yonge St.

Results of tests made on the boiler of the Interlake Tissue Mills, Limited, Montreal, Ont., before and after installing the Oxygen Fuel System as installed by the Gibbons-Kemp Company, Limited:

	Before installing, May 15, 1914.	After installing, June 12, 1914.
Duration of test, 10 hours.....		
Size of boiler, 15 ft x 72 in., containing 76 3¼-in. tubes.....		
Coal consumed as fired.....	5777 lbs.	4938 lbs.
Water apparently evaporated.....	33300	40222
Feed water temperature.....	51.23	50
Average gauge pressure.....	86.3	100 lbs.
Average H.P. developed.....	116.5	140.8
Stack gas temperature.....	610 deg.	462 deg.
Actual evaporation.....	6.3	9.27
Equivalent evaporation from and at 212 degrees.....	7.615	11.19
Showing an increase in efficiency of 31.95%.....		

(Signed) T. EDWARDS, Engineer.

With reference to the burning of black smoke, we cut out fully 80 per cent, showing our smoke-burning apparatus working to a high degree of efficiency, tested by alternate method.

THESE BOILERS DO
BETTER WORK.
WHY NOT YOURS?

JEFFERSON GLASS COMPANY, Toronto.

Summary of test on No. 2 boiler of THE JEFFERSON GLASS COMPANY, before and after installing our Fuel-Saving Device, the same coal being used in both tests, namely soft coal slack:

	Before installing, April 2, 1913:	After installing, April 22, 1913:
Size of boiler, 16 feet by 60 inches, containing 72 three-inch tubes.....		
Grate area, 48x48 inches.....		
Duration of test, 10 hours, from 7 a.m. to 5 p.m.....		
Coal consumed as fired.....	3318 lbs.	24700
Total water evaporated.....	24700	7.442
Water evaporated per lb. of coal as fired.....	7.442	178 deg.
Average temperature of feed water.....	518 8-11	518 8-11
Average temperature of stack gas.....	518 8-11	518 8-11
Average steam pressure.....	7.9921	7.9921
Water evaporated from and at 212 degrees.....	71.59	71.59
H.P. per hour developed, calculated from coal as fired.....	71.59	71.59
Size of boiler, 60 inches by 16 feet, containing 72 three-inch tubes.....		
Grate area, 48x48 inches.....		
Duration of test, 10 hours, from 8 a.m. to 6 p.m.....		
Coal consumed as fired.....	3138 lbs.	20020
Total water evaporated.....	20020	9.5689
Water evaporated per lb. of coal as fired.....	9.5689	167 deg.
Average temperature of feed water.....	506 deg.	506 deg.
Average temperature of stack gas.....	506 deg.	506 deg.
Ashes.....	95 5-11	95 5-11
Equivalent water evaporation from and at 212 degrees.....	10.3740	10.3740
H.P. per hour developed, calculated from coal as fired.....	87.01 HP.	87.01 HP.

With reference to the burning of the black smoke, we cut out fully 80 per cent, showing our smoke-burning apparatus working to a high degree of efficiency, tested by alternate method.

FOREST CITY LAUNDRY, London, Ont.

Summary of three tests run on boiler at the Forest City Laundry at London, Ont., by the Oxygen Fuel Company, first test before Fuel-Saving Device was installed: Name of boiler, Leonard & Sons' Return Tubular. Size of boiler, 14 feet by 50 inches, 64 2¼-tubes. Grate Area, 48x60.

	Aug. 15, Test No. 1.	Aug. 19, Test No. 2.	Aug. 20, Test No. 3.
Duration of test.....	11 hr.	11 hr.	11 hr.
Coal consumed as fired.....	2222 lbs.	2470 lbs.	2394 lbs.
Total water evaporated.....	13268 lbs.	18889 lbs.	18857 lbs.
Water evaporated per lb. of coal as fired.....	5.98	7.50	7.87
Average temperature of feed water.....	133 deg.	113 deg.	112 deg.
Average steam gauge pressure.....	90.3	90	89 1-3
Equivalent evaporation from and at 212 degrees.....	6.70	8.93	9.01

Owing to the fact that the final tests were run Monday and Tuesday, which are heavy wash-days, a little more coal was consumed.

With reference to the burning of the black smoke, we cut out fully 80 per cent, showing our smoke-burning apparatus working to a high degree of efficiency, tested by alternate method.

DO YOUR BOILERS
GIVE BEST EFFICIENCY?

AGREEMENT

LONDON, CAN., 191

We will install our Complete Fuel Saving and Smoke Consuming Equipment in the boilers of your plant for the sum of \$750.00 per boiler not exceeding 150 h. p., in excess of that, at the rate of \$4.50 per h. p. figured at actual h. p. rating.

We will guarantee the saving of fuel consumption of 15% of your present requirements and guarantee to eliminate the smoke nuisance, bringing it within the regulations required by the city. These savings to be arrived at by water evaporation tests, made on your boilers before and after installation.

If we do not accomplish you this saving you will be at no expense whatever in the matter, and we will restore your boilers to the condition in which we found them before we started to install our devices.

We guarantee all our work to be done in a good and workmanlike manner.

Terms—Net cash 30 days from date of installation.

GIBBONS-KEMP CO., Limited

Per.....

Dated at..... 191

Please supply and install on or about..... 191 the
Oxygen Fuel Saving and Smoke Consuming Devices in the..... boilers
of our Plant at..... as per the above agreement.

There is no getting around actual facts like these, but if there is still a shadow of doubt lingering in your mind, our iron-bound guarantee of results or no pay will surely dispel it. THIS IS YOUR PROTECTION. Could you ask more? Could you draw up a contract that would better protect your interests? Here it is. It proves our confidence in the Oxygen Fuel System.

We also equip stoves, furnaces, round hot water boilers and low pressure sectional steam boilers with the Oxygen Fuel System, thereby practically cutting your fuel bill in half. The following testimonials speak in no uncertain terms of the Oxygen Fuel System as applied to household stoves, furnaces, etc., What we have done for others we can do for you.

The question arises, how are these results accomplished? The following explanation will be of interest: You have often observed large quantities of dense black smoke pouring from a factory chimney, and it has doubtless occurred to you that this means loss, loss in efficiency, therefore, loss in money. Now, if instead of allowing this heavy smoke, rich in carbon and combustible gases, to escape it was confined and burnt it would result in increased efficiency and an immense saving in money. This is exactly what the OXYGEN FUEL SYSTEM does by scientifically feeding the fire through specially constructed devices with heated oxygen in exactly the correct proportions. This causes the gases and carbon contained in the products of combustion to be converted into heat units, thereby greatly increasing the efficiency of your boilers, which results in a direct saving of money to you. This is merely an outline. We have facts and figures that we would like to place before you. Drop us a card and we will mail you interesting data or send our representative, who will be glad to call and chat things over with you.

TESTIMONIALS

TRUE COPY.

TRUE COPY.

TRUE COPY.

TRUE COPY.

TRUE COPY.

TRUE COPY.

London, Ont., June 12, 1914.
To whom it may concern:

This is to certify we have installed on our range one of your fuel saving devices, and have much pleasure in being able to unhesitatingly recommend it to anyone who really wants to run their kitchen fire efficiently and economically. I would not part with it for any money, if I could not get another.

(Signed) T. R. CATHRO.
935 Waterloo Street.

London, Ont., March 2, 1914.
Gibbons-Kemp Company, Ltd.,
London, Ont.

Gentlemen—I desire to add my personal testimony to the merits of your Fuel Saver, with which you equipped our kitchen range some five months ago.

From the first we noted a decided saving in fuel and a total absence of escaping gas. We can fully check the fire as soon as coal is put on and yet produce a fine, steady heat. Safety, efficiency and economy are all fully realized by its use.

Sincerely yours,
(Sgd.) T. L. NEWTON,
54 St. George Street.

London, February 26, 1914.
Messrs. Gibbons-Kemp Company,
Limited, City.

Gentlemen—It affords me much pleasure to bear my most unqualified testimonial to the value of your Oxygen Burner devices installed in my hot air furnace.

I have saved a considerable quantity of fuel and have had at least 25% more heat and no ashes to sift, which is a great consideration. I have no hesitation in recommending Oxygen Burner devices to anyone. Yours truly,

(Signed) R. MCINTYRE,
Prop. Brunswick Hotel,
London, Ont.

London, Feb. 27, 1914
To whom it may concern:

I have been using the Oxygen Burners in my hot water boiler for about three months and am well pleased with the results.

While I have not made any actual test, I know by the appearance of my coal bin that I am making a substantial saving of coal, and, at the same time, my house has been very comfortable. I find the greatest advantage in mild weather in being able to control my fire and keep it low without going out. Yours truly,

(Signed) R. I. WATSON,
Mgr. Globe Casket Co.,
London, Ont.

The Dominion House.
To whom it may concern:

I have much pleasure in saying that the Oxygen Fuel System installed on my hot water boiler has given me steady heat all over my house, even reaching to the farthest radiator in all weather, a thing my heating plant would never do before, and all the increased heat and comfort was obtained with a great saving of fuel. The system has proved so very satisfactory in my hotel that I have also installed it in my private house, where it also works to perfection.

(Signed) JOHN COX.

Savoy Hotel.
To whom it may concern:

I have had my sectional boiler installed with Oxygen Fuel Saving devices, and am more than pleased with the way they have both saved my coal bills and increased the comfort of the house. Also, the use of the system has solved the clinker problem for my caretaker, and he doesn't have to spend valuable time sifting ashes. I heartily recommend the Oxygen Fuel Saving System.

(Sgd.) J. O'FLAHERTY.

WRITE, CALL ON OR PHONE THE GIBBONS-KEMP CO., LIMITED, FOR FURTHER INFORMATION.

THE GIBBONS-KEMP COMPANY, LIMITED

15 'GREENE-SWIFT BUILDING.
PHONE 2009

LONDON, - - CANADA

BRANCHES AT TORONTO,
MONTREAL, ST. JOHN, N. B.