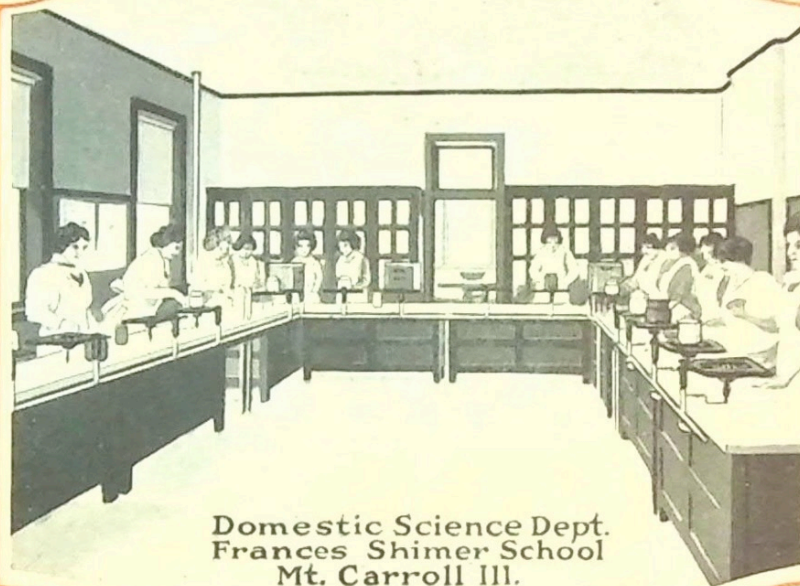


Adams Township, MI

Rural Gas Plants

JUL 28 1932



Domestic Science Dept.
Frances Shimer School
Mt. Carroll Ill.

*For Community Schools - Colleges - Country
Homes & Clubs - Hospitals - Industrial
Laboratories - Any purpose where
city gas is not available*

Matthews Gas Machine Co.
CHICAGO - ILL.

Rural Gas

-all the Conveniences of City Gas

THE Matthews Gas Machine is a simple machine designed to supply Homes, Community Schools, Colleges, Clubs, Hospitals and Industrial Plants with gas for cooking, lighting, etc.,—any purpose for which gas is used. It is a machine that by the mixing of air and gasoline vapor produces what is known as gasoline gas.

It brings to homes and institutions located where a supply of gas is not available, all the conveniences of city gas. The original investment is small and the cost of operation no greater than cost of city gas.

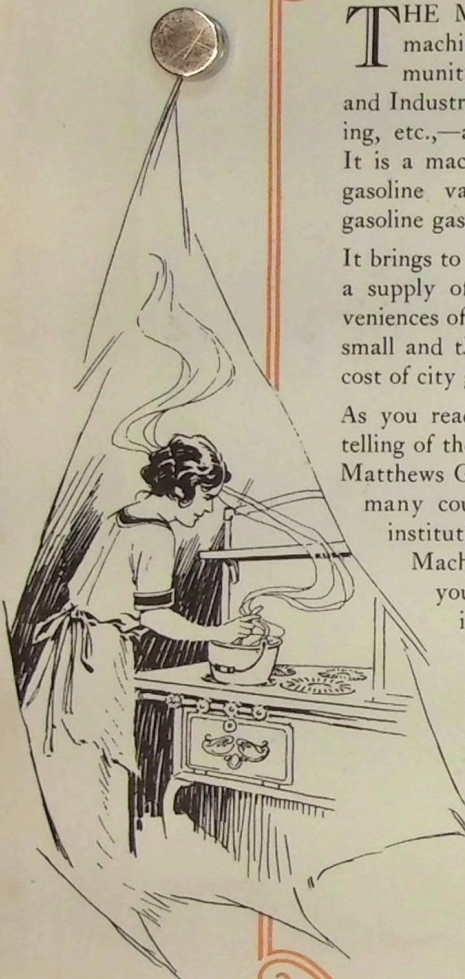
As you read the following pages of this book, telling of the simplicity and dependability of the Matthews Gas Machines—when you read of the many country homes, schools, colleges and institutions that are using Matthews Gas Machines, and find them so satisfactory you will be convinced that in selecting the guaranteed Matthews Gas Machine, you are making a wise choice. The Matthews is “The Gas Machine of no regrets.”

THE MATTHEWS GAS MACHINE CO.
Chicago, Ill.

We cannot speak too highly of your equipment, which we have used here for the past twenty-five years. We convey the gas from the carburetor several hundred feet to our various laboratories, and never a word of complaint. It's a veritable God-send to us, as we have no natural gas nor any other sort of manufactured gas in our district.

We are graduating a great group of interested students this year who will sing the praises of the Matthews Gas Machine Company.

Very sincerely yours,
H. E. TAYLOR, Berea College, Berea, Ky.



Matthews Gas Machines Have Led in Favor for Half a Century

Dependability

Nothing we can say regarding the outstanding merits of the Matthews Gas Machine speaks louder of its supremacy than the fact that hundreds of these machines are giving satisfactory service today that were installed many years ago. Such **dependability** and continuous performance can only be given by a machine that is constructed on right principles and of durable lasting material.

While the Matthews machine that we are supplying today is vastly superior to the machines we made 50 years ago, yet the simple basic principles that have made the enviable reputation that the Matthews enjoys, are still practically the same.

Simplicity

In constructing Matthews Gas Machines we have taken into consideration that one of the prime essentials is **simplicity**. No gas machine can be a success that requires endless care and worry to keep it functioning. With a Matthews you have no trouble, no care, no worry. Just wind up the weight occasionally—put gasoline in your carburetor once or twice a year is all that is necessary.

Safety

Safety is another important advantage of the Matthews Gas Machine. It is *one* machine that has been examined and tested by the Underwriters' Laboratories and listed by the Consulting Engineers of the National Board of Fire Underwriters. With a Matthews no liquid gasoline is taken into the building—no fire—or heat is used to produce the gas—in fact, a building equipped with a Matthews Gas system is considered a safe risk by all insurance companies.

Economy

Another important feature in the selection of your gas machine is the **economy** of operation. The Matthews is noted for its economy. Don't make the mistake of installing electric appliances, which are expensive to operate or other undependable substitutes. Investigate the Matthews Gas Machine and you will find that for economy, safety, simplicity and dependability it is unsurpassed.

Three Points of Outstanding Superiority

Carburetor or Gas Supply Tank

The Matthews Gas Machine consists of three parts—the Carburetor or Gas Supply Tank—the Air Pump and a Mixing Regulator.

Each of these parts is made of durable material that will last a lifetime. There are no complex mechanisms to get out of order; they operate noiselessly and under ordinary circumstances never require any repairs.

The Carburetor or Gas Supply Tank is embedded in the ground away from the building. It is in this Carburetor that the Gasoline is converted into Gas. It is solidly built—has no movable parts to clog or get out of order. It has a large evaporating surface making sufficient gas capacity to supply needs—(see illustration and complete description on next page).

Air Pump

The Air Pump is that part of the machine which regulates the gas pressure and produces the air which is 85% of the gas. The Matthews Air Pump is so constructed that it produces an absolutely steady pressure regardless of how many gas burners are being used at the same time. This feature is one of the many that makes the Matthews the choice of discriminating purchasers.

Mixing Regulator

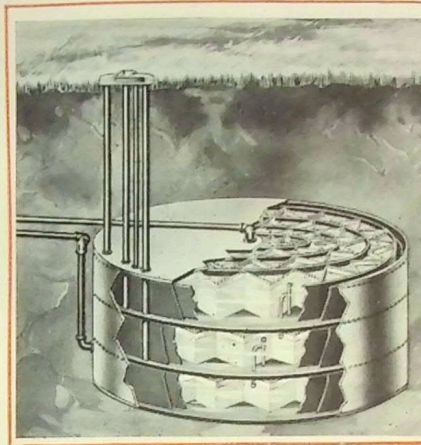
The Matthews Mixing Regulator mixes the air with the gas automatically. This is an extremely important feature because on this device depends the uniformity, and heating qualities of the gas. The Matthews Mixing Regulator has no dials, valves or mechanisms to adjust or get out of order. It has been perfected until it is really a marvel of efficiency. It delivers a uniform quality of gas, under any and all circumstances.

MATTHEWS GAS MACHINE COMPANY,
Chicago, Illinois
Gentlemen:

We installed one of your 300-light gas machines in 1910. We are still using the machine. It has never given us a minute's trouble and we have had no repairs to make.

Yours truly,
V. C. KAYS, Principal
State Agricultural School, First District,
Jonesboro, Ark.

The Matthews Improved Carburetor or Supply Tank



Here we show illustration of the Matthews Carburetor or supply tank. This tank is embedded in the earth in the yard or grounds of building. This is the tank in which the gasoline is converted into gas.

The "cutaway" illustration shows the construction of the Matthews Carburetor which consists of at least two cells, separated by indestructible partitions. The value of this construction is readily apparent to any one familiar with

the operation of making gasoline gas by the combining of air and gasoline vapor. While the operation is exceedingly simple and entirely automatic a detailed description of the construction would be very technical and uninteresting because the only thing you, as a probable user of a gas machine, are interested in, is its durability, economy and efficiency. Permit us to say therefore that without a doubt the Matthews Carburetor is the most efficient, durable and economical on the market. Many of our carburetors which were installed 35 to 50 years ago are still in operation, without a cent having been expended for repairs.

The Matthews Carburetor has no valves, floats or other movable parts, consequently there is nothing to get out of order and hence a vault to contain the carburetor is not required.

A Vault is expensive, dangerous, unsightly and non-essential. Remember this economical and desirable feature when comparing the Matthews Machine with any other.

The Matthews Carburetor will entirely convert every bit of the gas machine gasoline into gas and we guarantee it.

MATTHEWS GAS MACHINE CO.,
6 East Lake Street, Chicago, Illinois

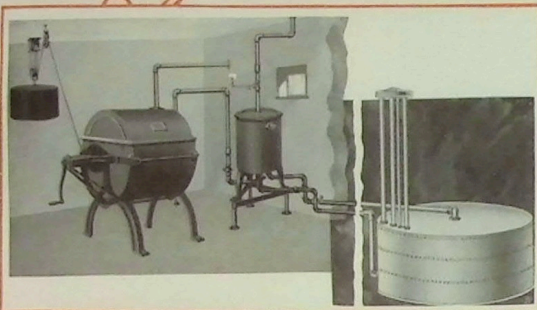
Dear Sirs:

Attention of Mr. Charles Matthews, Jr.
Referring to your letter of October 26th.

I installed a Gas Machine at my country home in 1916 and used it for seven years with satisfactory results.

Yours very truly,
F. EDSON WHITE

The Matthews Air Pump Insures Steady Pressure



Here we show the Matthews weight driven gas machine and automatic mixing regulator installed.

The Air Pump and Automatic Mixing Regulator are usually installed in the basement of building but can be placed in any

convenient location or detached building.

As a steady uniform pressure is much to be desired when using gas, this important feature has been developed in the Matthews Gas Machine to the point where uniform pressure is absolutely maintained *all the time* and under all conditions.

This pressure is maintained by the Matthews Air Pump, the weight driven part shown above. The act of turning on one or more burners causes the air to flow through the carburetor where it picks up the vapor of gasoline, and enters the Mixing Regulator, where it is automatically mixed with air in the proper proportions and delivered to the burners.

The pressure of Air Pump is controlled by the weight shown in illustration. All of the attention required to maintain this uniform pressure is an occasional winding up of the weight. If you have electricity in your building we recommend our Electric Automatic Controlled Air Pump and Mixing Regulator illustrated on page eight. With the electric controlled equipment the pressure is automatically maintained at all times without any attention from the operator.

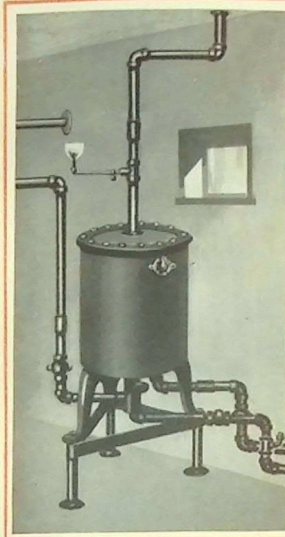
MATTHEWS GAS MACHINE CO.

In the early Fall of 1900, we installed a Matthews gas machine for the use of our laboratories. Financially, I believe this was the best investment Cornell College ever made. The machine has demanded very little attention and has proved durable, economical, efficient and eminently satisfactory. If I needed another gas machine I would surely get the Matthews.

Respectfully,

NICHOLAS KNIGHT,
Professor of Chemistry and head of the department
Cornell College, Mount Vernon, Iowa

The Matthews Automatic Mixer Insures Uniform Gas



The Matthews Mixer—A Device That Automatically Mixes Gas With Correct Proportion of Air—The Only Automatic Mixer Made.

While uniform pressure is important *Uniform Gas* is more important. The Matthews Mixer is an automatic device, working in conjunction with the air pump and carburetor to produce uniform gas at the burners at all times.

To get the maximum heat value at the burners gas must be correctly mixed with air. We are indeed proud of the Matthews Mixer because it has been developed to the point of perfection—it supplies *Uniform Gas all the time* and does it entirely automatically and without any attention from the operator.

The Matthews Mixer is the best Mixer on the market because it is the most sensitive; is operated both by the weight and flow of gas; it is the simplest; it controls the air to the

carburetor as well as the air to the Mixer.

It is adjustable without opening Mixer or shutting off the gas, consequently the safest; it requires no oiling, has no valves, levers, dials or gauges to adjust. Nothing to wear out. *It is the only Automatic Mixer made.*

MATTHEWS GAS MACHINE CO., Chicago, Ill.

Gentlemen:

We have one of your gas machines which was installed in 1917.

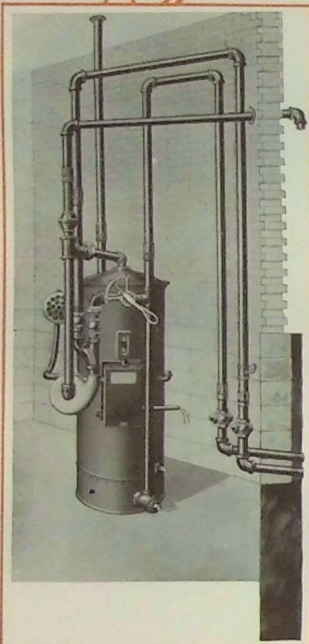
I have been in personal charge of its operation during the past two years and am glad to say that the machine is all that you claim for it.

I heartily recommend it to any one who contemplates the installation of a similar one since our equipment has given satisfaction in every respect.

Yours truly,

B. E. HINSON, Engineer
Sul Ross State Normal College, Alpine, Texas

The Matthews Electrically Operated Gas Machine



For those who have electric current available we recommend our electrically operated Gas Machine shown here.

This machine consists of two parts—the Carburetor and electrically operated Air Pump and Mixer.

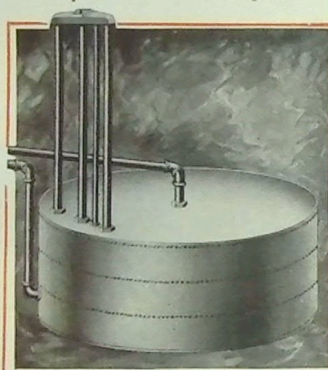
This makes the ideal equipment as it is entirely automatic; requires no attention and is very economical in operation because it produces gas as required and uses electric current only while gas is being used and then only intermittently. The delivery of gas is constant and always at uniform pressure. It is simple, safe, durable and dependable. It is made with the smallest possible number of parts and mechanical movements.

The motor is so small that the current required to operate the gas machine at full capacity, is less than that

consumed by a small incandescent lamp; the cost of which is negligible.

There is no extra wiring required in the building where this machine is installed; simply one connection to the lighting circuit.

It is equipped with a stop button so that by simply pushing this button, the machine is made in-operative until the start button is pushed.



MATTHEWS GAS MACHINE Co.

Dear Sir:

The hundred fifty light machine purchased from you three years ago has given perfect satisfaction. We are using it for chemical, physical, biological, and domestic science laboratories. It has never given us a moment's trouble. We find it quite economical to operate, and as there are no parts to wear out, there has been no cost whatever in the upkeep of the machine.

Very truly yours,
C. B. FARRINGTON, Head Dept. Chemistry
Sam Houston State Teachers College, Huntsville, Texas

The Matthews Guarantee

An Ironclad Guarantee of Satisfaction

We Guarantee to every purchaser of a Matthews Gas Machine that if it is installed and operated according to instructions furnished by us, it will produce an absolutely uniform smokeless gas at all times which may be used with perfect success for any purpose that gas is used.

We furthermore agree to allow any purchaser a reasonable length of time to thoroughly test the machine and probe its efficiency before requiring payment.

MATTHEWS GAS MACHINE Co.,
6 East Lake Street, Chicago, Illinois
Gentlemen:

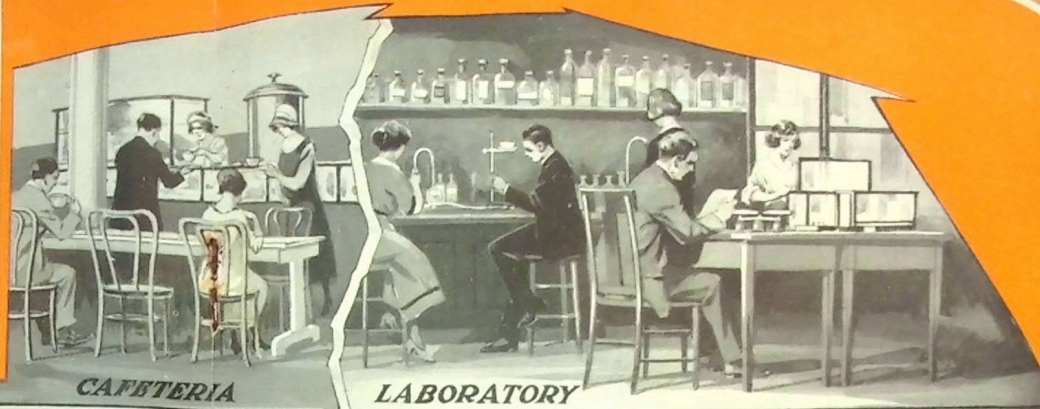
I have had one of your gasoline gas machines at my summer home "The Villa Olivia" near Elgin, Illinois, for about seven years. It has never given me one moment's interruption in service and has been and still is eminently satisfactory. I am very much pleased with it.

Yours very truly,
CHARLES E. ERBSTEIN



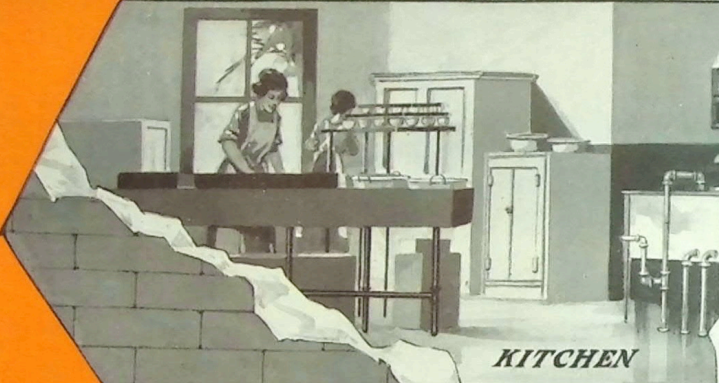


SUL ROSS STATE NORMAL COLLEGE, Alpine, Texas



CAFETERIA

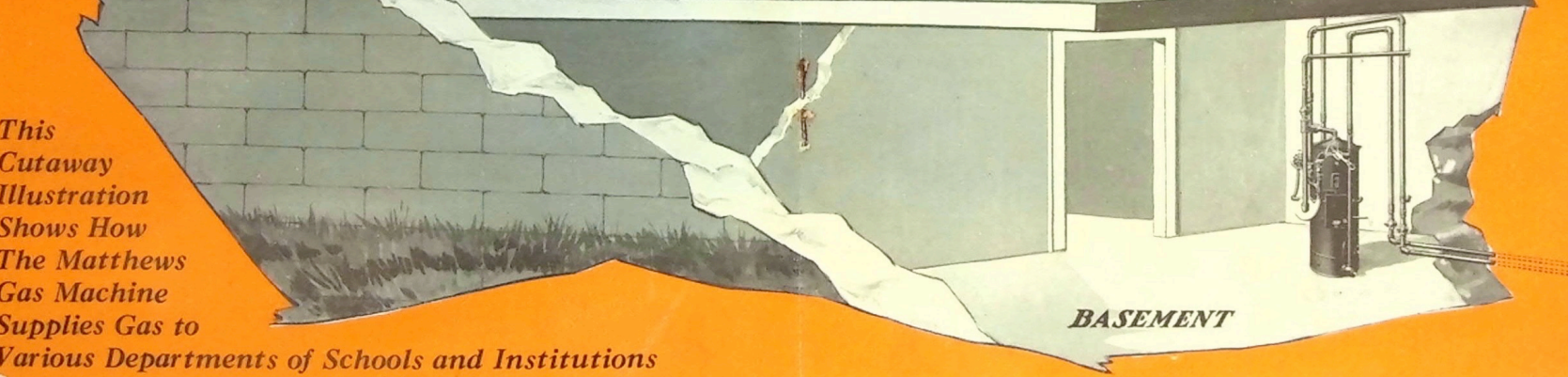
LABORATORY



KITCHEN



DOMESTIC SCIENCE



BASEMENT



This Cutaway Illustration Shows How The Matthews Gas Machine Supplies Gas to Various Departments of Schools and Institutions

What Educational Institutions Say About Matthews Gas Machines

MATTHEWS GAS MACHINE CO.
6 East Lake Street, Chicago, Illinois
Dear Sirs:

The gas machine installed by your Company during September, 1915, has given us efficient service and has been satisfactory in every respect. It is simple to operate, does not easily get out of repair, and the cost of operation is reasonable. We use the gas in our Home Economics department and in our Science laboratories.

Yours very truly,

S. M. BRAME, Principal.
Bolton High School, Alexandria, Louisiana

MATTHEWS GAS MACHINE CO.
6 East Lake Street, Chicago, Illinois
Gentlemen:

In regard to the Matthews Gas Machine which was installed at this institution in 1919, I wish to state that it is giving entire satisfaction in every way.

Yours very truly,

M. H. BARNES
Tennessee Polytechnic Institute, Cookeville, Tennessee

MATTHEWS GAS MACHINE CO., Chicago, Ill.

Dear Sirs:

We have in use in our school one of your 50-light gas machines, installed 1920. The machines has given complete satisfaction. It is Efficient, Economical, and Simple.

Yours truly,

ED McCUISTION
Wilson Public Schools, Wilson, Ark.

MATTHEWS GAS MACHINE CO., Chicago, Illinois

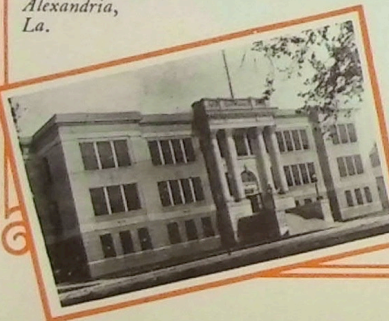
Dear Mr. Matthews, Jr.:

The gas machine which we have in our school plant is highly satisfactory in every particular. It is efficient, economic, simple to operate and very durable.

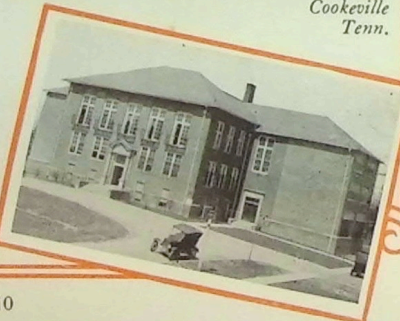
Very truly,

ROBERT T. McGRATH, Superintendent
Lanark Public Schools, Lanark, Illinois

Bolton High School
Alexandria,
La.



Tennessee Polytechnic Institute
Cookeville
Tenn.



What Educational Institutions Say About Matthews Gas Machines

MATTHEWS GAS MACHINE Co., Chicago, Ill.

Gentlemen:

At present we are using three Matthews Gas Machines in our schools. One 100-light capacity machine is installed in our Junior High School and furnishes gas for our domestic science equipment and for the gas exit lights of our building. Another machine of small capacity is installed in our Senior High School building to furnish gas for laboratory apparatus. A third machine is installed in our Caspian school and furnishes heat there for our domestic science equipment.

All three machines are satisfactory in every way. One of them has been installed for the past ten years and has given us no trouble whatsoever. We find that the equipment requires little if any attention; that from an economical standpoint it is the cheapest fuel we could use.

We are indeed pleased to endorse these machines to any one who is planning on gas machine installation.

Yours very truly,

C. I. CLARK, Supt.
Stambaugh Township Schools, Stambaugh, Michigan

MATTHEWS GAS MACHINE Co.

6 East Lake Street, Chicago, Illinois

Gentlemen:

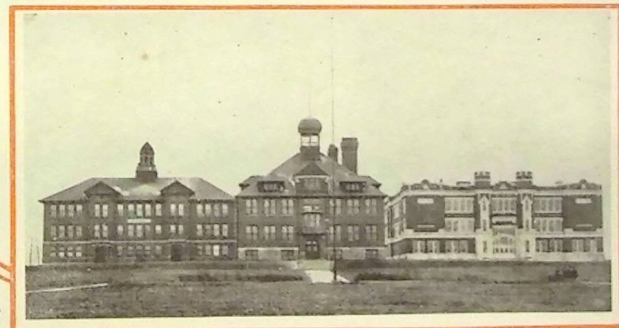
The 100-light gas machine which was installed in this Institution in 1909 has given splendid satisfaction. It is very simple to operate and the fact that no repairs have been made since its installation, demonstrates that it is very durable. We have very good heat at all times and the cost is very slight, requiring about two barrels of gasoline per year. We use it in the flat for general cooking purposes, and in the Domestic Science kitchen for cooking purposes, and also in the laboratory for laboratory purposes; so we feel it is a very economical machine.

On the strength of the efficiency of the machine, another machine was installed in a restaurant at West Salem some two or three years ago.

Yours very truly,

L. C. HATCH, Principal
La Crosse County School of Agriculture and Domestic Economy,
Onalaska, Wis.

Stambaugh
Township
High School
Stambaugh,
Mich.



What Educational Institutions Say About Matthews Gas Machines

MATTHEWS GAS MACHINE Co.
6 East Lake Street, Chicago, Illinois

Gentlemen:

We have now had your 100-light gas machine installed in our Domestic Science laboratory for nearly three years. Its operation has been a complete success. It requires but little attention, it has not come to require repairs, is free from odor and is very satisfactory in general. I wish we could have one for our chemical laboratory.

Very truly yours,

W. G. MALLETT, Principal
Farmington State Normal School, Farmington, Maine

MATTHEWS GAS MACHINE Co.
6 East Lake Street, Chicago, Illinois

Dear Sir:—

I am enclosing a photo of our new science hall, one of your gas machines has been installed here about two years ago which gives excellent satisfaction. We use it for several hundred gas burners in the departments of chemistry, physics, agriculture, and for sixteen gas stove burners in the domestic science department. Before installing your machine, we used blaugas. We find that the cost of the gas with your machine is much cheaper and so convenient that I can cheerfully recommend your machine to any one interested. Very sincerely,

J. WILLARD HERSHEY, Professor of Chemistry
McPherson College, McPherson, Kansas

MATTHEWS GAS MACHINE Co., Chicago, Ill.

Dear Sirs:

Regarding the plant we have here. We use it for two laboratories and the cooking room of the D. S. Dept. where we have 16 stoves and a range installed. I have been here 6 years and in that time we have not spent one cent on the stoves and the care they receive is in cleaning occasionally by the janitors.

We experimented at a school of Agriculture where I served for four years, with a number of stoves for D. S. use but none that we experimented with could approach your stove for convenience, immediate heat, neatness and all round efficiency. The cost for fuel is as follows, we buy two barrels of gas from your firm every autumn and rarely do we have to add to this quantity of gas during the year. We did try several other brands of high test gas but have returned to getting our supply from your firm. We are very well pleased with the stoves.

Very truly,
N. E. SCHWARTZ, Supt. of Schools
Independent District No. 5, Pine County, Sandstone, Minn.

McPherson College
McPherson,
Kansas



High School
Sandstone,
Minn.



What Home Owners Say About Matthews Gas Machines

MATTHEWS GAS MACHINE Co.
6 East Lake Street, Chicago, Illinois

Gentlemen:

You will be pleased to know that the Gas Machine you installed in our new residence at Lake Geneva, Wisconsin, three years ago, has given splendid satisfaction. We use a gas range in the kitchen of our apartment in Chicago and in making a comparison we would say that the kitchen range at Lake Geneva operated by your Gas Machine gives fully as satisfactory service if not better than the gas range in Chicago.

Very truly yours,
W. N. PELOUZE

MATTHEWS GAS MACHINE Co.
6 East Lake Street, Chicago, Illinois

Gentlemen:

Replying to yours of October 26th, will say the machine we bought from you in 1914 is still in use and giving entire satisfaction.

Very truly yours,
WM. WRIGLEY, JR.

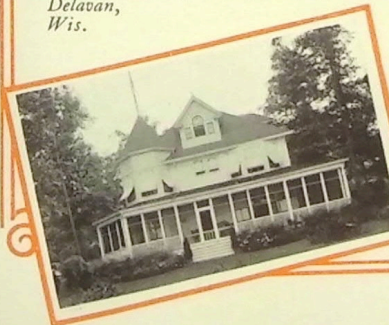
MATTHEWS GAS MACHINE Co.
6 East Lake Street, Chicago, Illinois

Gentlemen:

In 1915 I had one of your 50-light Gas Machines installed in my country home at Delavan, Wisconsin. It might be of interest to you to know that this machine has given excellent service since the time of its installation. It is extremely economical, very simple to operate and an altogether very efficient machine.

Very truly yours,
WILLIAM J. MOXLEY

Summer Home of Wm. J. Moxley
Delavan,
Wis.



Home of Wm. N. Pelouze
Lake Geneva,
Wis.



What Home Owners Say About Matthews Gas Machines

MATTHEWS GAS MACHINE Co., Chicago, Ill.

Gentlemen:

I am pleased to say that the gas machine which you installed in 1914 in my country home at Delavan Lake, Wis., has given us good service ever since, and has proven to be satisfactory in every way.

Respectfully yours,
Dr. A. LAGORIO

MATTHEWS GAS MACHINE Co.
6 East Lake Street, Chicago, Illinois

Chicago, Ill., October 24, 1923.

Dear Sirs:—

Some ten years ago we installed one of your machines in our home in Lake Forest and it has given great satisfaction, especially good in hot summer months over a coal stove. We are well pleased with the way it has worked.

Very truly yours,
CHAS. G. KING

MATTHEWS GAS MACHINE Co.
6 East Lake Street, Chicago, Illinois

Chicago, Oct. 31st, 1923.

Gentlemen:

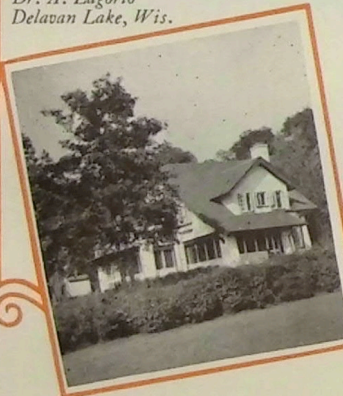
It affords me much pleasure to tell you that your 75-Light Gas Machine which you installed in my summer home at Empire, Mich., has given splendid satisfaction in every particular since you installed it and we have not had one single bit of trouble.

Last spring for the first time we put in some new burners, figuring that they should be changed and as far as I know, the machine is as good today as when you installed it.

Anyone wanting a gas machine in their home will make no mistake in purchasing of you. I take pleasure in recommending it to everybody.

Yours truly,
E. HARVEY WILCE

Country Home of
Dr. A. Lagorio
Delavan Lake, Wis.



Summer Home of
E. Harvey Wilce
Empire, Mich.



A Partial List of the Many Users in the Various States

THE Matthews Gas Machines are tried and proven—for half a century they have been giving satisfaction to thousands of users in all parts of the country. Below are only a very few of the many educational institutions and homes in the various States using our Gas Machines.

Birmingham	ALABAMA Birmingham Coal & Iron Co.	Edgebrook	M. S. Dean
Flagstaff	ARIZONA High School	Eldorado	Township High School
Jerome	High School	Elgin	Mrs. M. A. Browning
Peoria	High School	El Paso	Charles E. Erbsstein
Thatcher	Gila Junior College	Eureka	High School
Tucson	U. S. Veterans Hospital	Eureka	Eureka College
Batesville	ARKANSAS Arkansas College	Flanagan	High School
Conway	Hendrix College	Flanagan	Chris. Gerig
Conway	State Agricultural College	Gardner	Salem Orphanage
Earle	High School	Gardner	Dr. E. G. Fuller
Fayetteville	City Hospital	Gardner	High School
Fayetteville	University of Arkansas	Gilberts	A. G. Perry
Fordyce	High School	Gillespie	Dr. A. P. Dewey
Jonesboro	State Agricultural School	Girard	Community High School
Magnolia	High School	Gladstone	High School
Magnolia	State Agricultural School	Gladstone	C. E. Lant
Newport	High School	Godfrey	S. E. Maurer
No. Little Rock	U. S. Public Health Service	Grays Lake	Monticello Seminary
Searcy	Galloway College	Grays Lake	F. B. Huntington
Wilson	High School	Harrisburg	C. M. McFarlane
Palm Springs	CALIFORNIA Charles F. Powers	Harrisburg	Harrisburg Hospital, Inc.
Palm Springs	Mrs. Joseph Spiers	Henry	Township High School
Akron	COLORADO High School	Highland Park	Swan Lake Club
Center	High School	Hillsboro	A. I. Jordan
Fort Lyon	U. S. Naval Hospital	Kenney	American Zinc Co.
Fowler	High School	La Grange	Community High School
Golden	High School	Lake Forest	Broadview College
Orlando	FLORIDA John T. Pirie	Lake Forest	De Forest Hulburd
St. Petersburg	David C. Cook	Lake Forest	Chas. G. King
McRae	GEORGIA South Georgia College	Lake Forest	F. Edson White
Milledgeville	Normal College	Lake Forest	Thomas E. Wilson
Rome	Shorter College	Lake Villa	E. J. Lehmann
Moscow	IDAHO University of Idaho	Lake Villa	O. W. Lehmann
Aledo	High School	Lake Villa	Fred Lundin
Aledo	William and Vashti College	Lake Villa	Charles Present
Allerton	Community High School	Lake Villa	Miss A. E. Lehmann
Alvin	Community High School	Lanark	Mrs. C. D. Peacock
Antioch	Curt Teich	Lanark	High School
Antioch	C. J. Wolf	Leroy	High School
Arthur	High School	Lexington	Geo. W. Hiser
Athens	Community High School	Lexington	O. L. Hiser
Auburn	High School	Long Point	Community High School
Barrington	F. O. Campe	Matteson	Henry F. Bartling
Barrington	H. S. Hart	Matteson	Henry Schulze
Barrington	Wm. Manson	McHenry (Fox Lake)	Carl Buehler
Barrington	Spencer Otis	McHenry (Fox Lake)	E. Busch
Beaverville	Holy Family Academy	McHenry (Fox Lake)	L. C. Haring
Bourbonnais	St. Viator College	McHenry (Fox Lake)	C. Hollenbach
Casey	High School	McHenry (Fox Lake)	Mrs. W. McRoberts
Chatham	High School	McHenry (Fox Lake)	J. J. Mertes
Chicago	Fleischmann Co.	McHenry (Fox Lake)	Fred H. Miller
Chicago	Sanitary District of Chicago (2)	McHenry (Fox Lake)	Charles W. Peters
Chillicothe	Community High School	McHenry (Fox Lake)	E. P. Rich
Chrisman	High School	McHenry (Fox Lake)	H. G. Saal
Dana	Community High School	McHenry (Fox Lake)	Geo. J. Saver
Deland	High School	McHenry (Fox Lake)	F. L. Wilk
Downers Grove	W. F. Cummings	McLean	Community High School
Downers Grove	Arthur W. Cutten	Metcalf	Community High School
Downs	Community High School	Midlothian	C. R. Dashnell
Dunning	State Psychopathic Institute	Midlothian	David Evans
Dwight	J. R. Aughton	Midlothian	D. C. Robertson
East Alton	Community High School	Midlothian	Philip Robinson
East Peoria	Community High School	Midlothian	W. M. Ryan
		Midlothian	M. A. Traylor
		Minonk	Community High School
		Monticello	High School
		Monticello	B. V. Moore
		Monticello	Pepsin Syrup Co.
		Mt. Carroll	Frances Shimer School (2)
		Newman	High School
		Newton	High School
		Oak Forest	Cook Country Infirmary

A Partial List of the Many Users in the Various States

ILLINOIS (Continued)

Oblong High School
Palatine Dr. N. D. Lee
Palos Park M. J. Flynn
Pekin Liberty Yeast Corp.
Peoria Commercial Solvents Corp.
Peoria American Milling Co.
Potomac Township High School
Prince Crossing Convalescent Home for Crippled Children
Riverside Universal Oil Products Co.
Robinson High School
Sparta High School
Stonington Community High School
Sullivan High School
Toula High School
Verona C. H. Fellingham
Villa Grove Township High School
Wapella High School
Washburn High School
Washington Community High School
Waterman East Side Hospital
Waverly High School
Winchester High School

INDIANA

Crown Point Mrs. L. M. Hart
Earl Park John L. Bond
Earl Park Lee Dinwiddie
Earl Park Geo. H. Hart
Hanover Hanover College
Howe Howe School
Indianapolis Sanitary District
Limedale Ind. Portland Cement Co.
Oakland City Oakland City College
Rensselaer H. R. Kurrie
Rensselaer St. Joseph's College
Union Mills Croup White & Co.

IOWA

Corwith High School
Denison C. F. Kuehnle
Denison Sears McHenry
Denison W. A. McHenry
Des Moines Jefferson High School
Fayette Upper Iowa University
Lewis High School
Martelle J. P. Ellison
Martelle A. H. Newman
Martelle E. G. Peet
Martelle M. E. Peet
Mt. Vernon Cornell College
Odebolt W. P. Adams
Orient Community High School
Redfield Community High School
Walker H. J. Nietert
Waukon O. J. Hager

KANSAS

Anthony High School
McLouth High School
McPherson Central College
McPherson McPherson College

KENTUCKY

Berea Berea College
Russellville Bethel College
Somerset High School

LOUISIANA

Alexandria Bolton High School
Lafayette S. W. La. Industrial Institute
Natchitoches State Normal School
Pineville Louisiana College
Ponchatoula W. E. Mount

MAINE

Farmington State Normal School

MASSACHUSETTS

Shelbourne Falls Arms Academy

MICHIGAN

Alden Mrs. G. E. Kingsbury
Alpha Balkan Mine
Arcadia W. H. Ebert
Arcadia Mrs. Minnie Starke
Bay City Columbia Sugar Co.

Boyer City High School
Bridgman Mrs. W. F. Lubbecke
Caspian High School
Charlevoix J. S. Baker (Hotel)
Constantine High School
Constantine High School
Covert Mrs. M. E. Braun
Empire E. H. Wilce
Fennville John Barron
Freda Champion Copper Co.
Grand Beach C. K. Ebann
Grand Beach F. C. Harwood
Grand Beach W. J. Moore
Grand Rapids Beaver Products Co.
Grand Rapids Joseph H. Brewer
Grand Rapids Henry Idema
Harberts A. E. Swanson
Holland D. E. Felt
Holland Holland Aniline Co.
Holland J. E. Telling
Iron Mountain Ford Motor Co.
Iron River High School
Ishpeming Hercules Powder Co.
Lakeside Harold H. Swift
Lakeside Fred T. Warren
Lapeer High School
Macatawa Park H. H. Fitzgerald
Macatawa Park D. P. Perry Estate (3)
Macatawa Park W. T. Webster
Montague Max Lau
Munising High School
Muskegon G. M. Porter
Muskegon E. L. Ransford
Muskegon E. H. Sheldon
Ottawa Beach Mrs. J. N. Nind
Ottawa Beach J. B. Pantlind
Ottawa Beach Charles F. Powers
St. Joseph Mrs. T. G. Dickinson
Stambaugh High Schools (2)
Wakefield High School
Wakefield Brotherton Mining Co.
Walloon Lake H. E. Africa
Walloon Lake Chas. Meyers

MINNESOTA

Aurora High School
Brainerd High School
Deephaven William Peet
Ely High School
Luverne High School
Park Rapids High School
Red Wing Prof. A. P. Anderson
Rushford E. S. Habberstad
St. James High School
Sandstone High School
Two Harbors High School

MISSISSIPPI

Blue Mountain Blue Mountain College
Clinton Mississippi College
Hattiesburg Mississippi Normal College
Oxford University of Mississippi
Starkville A. & M. College

MISSOURI

Bolivar Southwest Baptist College
Cameron Missouri Wesleyan College
Canton Christian College
Fayette Howard Payne College
Ferguson St. Louis County Day School
Kidder Kidder Institute
Liberty William Jewell College
Sikeston Scott Co. Milling Co.

MONTANA

Bozeman County High School
Bozeman State College
Forsyth County High School
Kalispell County High School
Livingston County High School
Malta Great Northern Hotel
Miles City County High School
Phillipsburg County High School

NEBRASKA

Ainsworth High School
Lincoln Mrs. T. E. Calvert
Pilger A. H. Heckendorf

NEW MEXICO

Agricultural College New Mexico College
Clovis High School
East Las Vegas Montezuma College
Merrill Park Agricultural School
Socorro School of Mines

NEW YORK

New City Mountain View Farm
Port Chester F. T. Dodge

NORTH CAROLINA

Chapel Hill University of North Carolina
Fayetteville State Colored Normal Institute
Laurinburg High School
Lexington High School
Rockingham High School
Winston-Salem City of Winston-Salem

OHIO

Bath High School
Bedford High School
Bluffton Bluffton College
Bluffton High School
Cuyahoga Falls Stow Twp. High School
Dublin Washington Twp. High School
Fultonham Pittsburgh Plate Glass Co.
Hiram Hiram College
Louisville High School
Mentor High School
New Concord Muskingum College
Oxford Miami University (2)
Payne High School
Pittsburg High School
Plattsville Green Twp. High School
Tippecanoe City Bethel Centralized School
Trotwood High School
Walbridge Wood County High School

OKLAHOMA

Grandfield High School

PENNSYLVANIA

Beatty St. Vincent College
Cambridge Springs Polish National Alliance College
Edinboro State Normal School
Leisnering High School
Mahanoy City High School

SOUTH DAKOTA

Aberdeen High School
Clear Lake High School
Lead Homestake Mining Co.
Madison State Normal School
Vermillion University of South Dakota
Vermillion High School

TENNESSEE

Athens Athens School
Chattanooga Baylor School
Cookeville Tennessee Polytechnic Institute
Greenville Tusculum College
Mascoat American Zinc Co.

TEXAS

Alpine State Normal School
Cameron C. H. Yoe High School
Greenville Wesley College
Hempstead High School
Huntsville Sam Houston Normal Institute
Lockhart High School
Lufkin High School
Meridian Meridian College
Nacogdoches High School
Nacogdoches Stephen F. Austin Normal School
Stephenville John Tarleton Agricultural College
Thorp Springs Christian College

UTAH

Lahi High School
Logan Utah Agricultural College
Pleasant Grove High School
St. George St. George Stake Academy
Sandy Jordan High School
Tooele High School
Tremonton Bear River High School

VERMONT

Northfield Norwich University

VIRGINIA

Clintwood High School

WASHINGTON

Hillyard Mount St. Michael's
Port Angeles High School

WEST VIRGINIA

Gary High School
Princeton High School

WISCONSIN

Avalon D. J. McLaughlin
Burlington D. F. Bremner
Delavan High School
Delavan Lake F. B. Jones
Delavan Lake Adam Koch
Delavan Lake Dr. A. Lagorio
Delavan Lake Col. W. J. Moxley
Delavan Lake W. M. Walker
Dousman O. E. Wilke
Eagle River Dr. E. H. Ochsner
Eagle River E. A. Everett
Eagle River Mont Tennes
Hartland (Pine Lake) Adolph Finkler
Hartland (Pine Lake) G. J. Hanson
Hartland (Pine Lake) C. W. Ott
Hartland (Pine Lake) Emil Ott
Kenosha Harry E. Wilson
Lake Beulah F. Dunnebacke
Lake Beulah E. F. Gillette
Lake Beulah Chas. Meyer
Lake Beulah Shea Smith Estate
Lake Geneva F. M. Thomas
Lake Geneva Mrs. S. W. Allerton
Lake Geneva E. E. Ayer
Lake Geneva F. F. Axtell
Lake Geneva F. H. Bartlett
Lake Geneva Henry Bartholomay
Lake Geneva B. B. Bell
Lake Geneva Mrs. W. E. Bosworth
Lake Geneva J. C. Clifford Estate
Lake Geneva Mrs. E. F. Cleveland
Lake Geneva F. B. Cozzins
Lake Geneva Elgin Club (4)
Lake Geneva Judge E. T. Glennon
Lake Geneva Mrs. L. B. Hamlin
Lake Geneva M. J. Hanley
Lake Geneva A. W. Harris
Lake Geneva Dr. W. M. Harsha
Lake Geneva Mrs. T. J. Lefens
Lake Geneva Lone Hotel
Lake Geneva A. F. Madiener
Lake Geneva J. J. Mitchell
Lake Geneva A. F. Nightingale
Lake Geneva W. N. Pelouze
Lake Geneva W. C. Powell
Lake Geneva Martin A. Ryerson
Lake Geneva F. Stark
Lake Geneva L. T. M. Slocum
Lake Geneva E. G. Stearns
Lake Geneva Edward F. Swift
Lake Geneva Wm. Wrigley, Jr.
Madison Mrs. E. M. Fullor
Merrill High School
Minocqua Fred C. Dickson
Minocqua A. M. Frumberg
Minocqua J. P. Molloy
Mukwonago Sherman Brown
Mukwonago Burr Oak Lodge
Mukwonago Mrs. J. L. Fortune
Mukwonago Mrs. B. Larkin
Nashotah Mrs. Geo. P. Miller
Oconomowoc A. J. Earling
Oconomowoc Harry Hart
Oconomowoc Miss Merrick
Onalaska Agricultural School
Oregon A. M. Anderson
Oshkosh E. H. Fahrbey
Powers Lake Theo. W. Bunte
Powers Lake Mrs. Peter Hand
Rosendale W. H. Moon
Templeton James T. Weaver
Wabena High School
Winneconne Agricultural School
Wisconsin Rapids High School

WYOMING

Laramie High School
Rock Springs High School
Worland High School



CANADA

Lacombe, Alta. Canadian Junior College
Regina, Sask. Regina Collegiate Institute
Saskatoon, Sask. High School
Saskatoon, Sask. West End Collegiate Institute
Saskatoon, Sask. Normal School
Sault Ste. Marie High School and Tech. Institute
Sudbury, Ont. High School and Tech. Institute

CHINA

Peking American College

CONTINUED



Matthews
Gas Machines

Standard
for
50 YEARS



ESTABLISHED 1876

MATTHEWS GAS MACHINE CO.

MANUFACTURERS OF

GAS MACHINES

FOR ILLUMINATING AND COOKING,
AUTOMATIC MIXING REGULATORS,
FUEL GAS PLANTS FOR LABORATOR-
IES, CANNING FACTORIES, ETC.

DEALERS IN

GASOLINE AND SUPPLIES
FOR GAS MACHINES

6
EAST
LAKE
STREET

Telephone Central 1420

MOVED TO 192 N. CLARK ST.

Chicago,

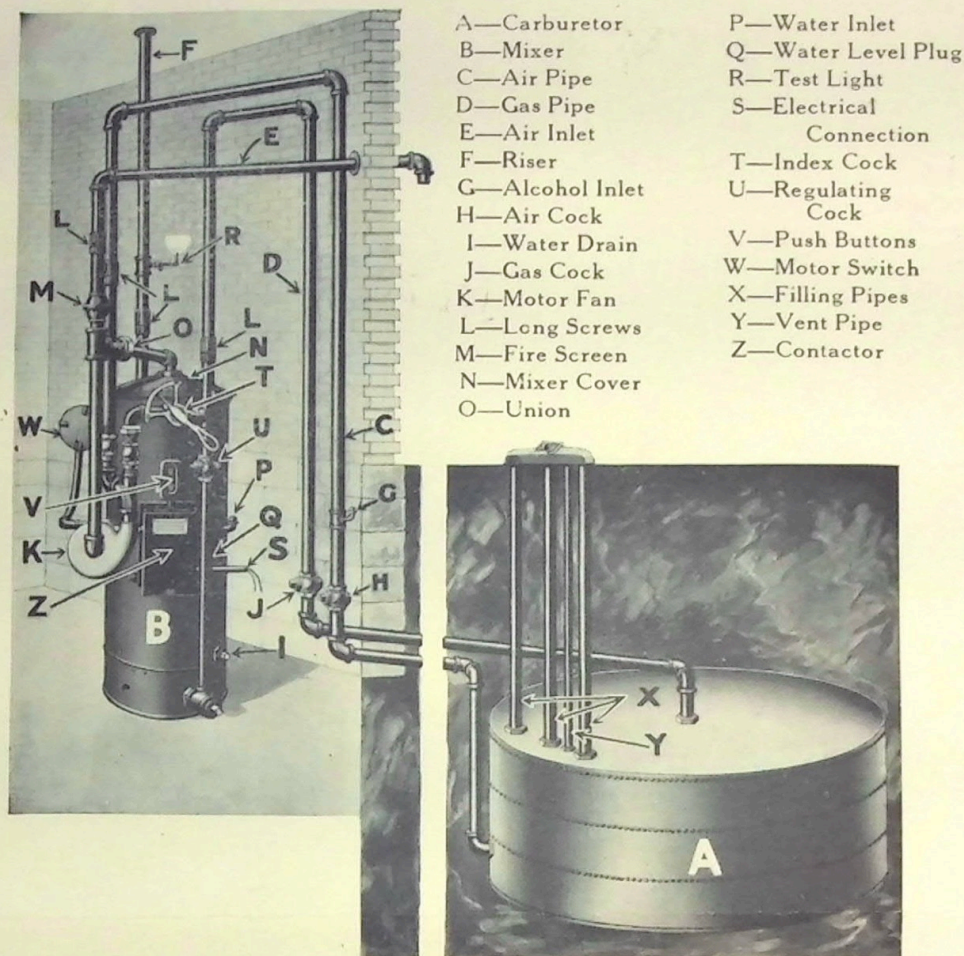
A few good reasons why you should buy the "MATTHEWS"
Gas Machine, (electrically operated)

- AUTOMATIC - 1. It is AUTOMATIC in its operation.
2. It makes gas only as needed.
3. It produces a uniform gas.
- ECONOMICAL - 4. It uses electric current only as needed.
(1/10th H.P. Motor)
5. It has but one electric connection from the lighting
circuit.
6. It uses up all the gasoline.
- SIMPLE - 7. It requires practically no attention.
- SAFE - 8. It has an electrical safety devise which makes the
machine inoperative should current fail.
9. It requires no vault.
10. It has been examined and tested at the Underwriters
Laboratories and listed by the Consulting Engineers of
the National Board of Underwriters, known as "Matthews"
Style E.
- EFFICIENT - 11. It tempers the air before using.
- EXPERIENCE - 12. It has 50 years experience behind it.
- DURABLE - 13. It is DURABLE, being constructed of rust proof material.
- LOW COST - 14. It has extra large capacity. We specify sizes, capa-
city, etc., shipping weight two or three times that of
other machines.
- DEPENDABLE - 15. It fills all the requirements of a good gas machine.
- GUARANTEE - 16. Our guarantee is the broadest and most liberal guaran-
tee given by any gas machine manufacturer. We refer you
to page 7 of our circular, "Rural Gas Plants."

MATTHEWS GAS MACHINE CO.

HOW THE MACHINE OPERATES

See reverse side.



Cut Showing the Electrically Operated Gas Machine, Installed Ready to Operate

HOW THE MACHINE OPERATES

The Matthews Electrically Operated Gas Machine consists of a carburetor "A" and Mixer "B" and connecting pipes. The gas is formed by forcing air over the surface of the gasoline and through wicking saturated with gasoline in the carburetor and then by adding more or less air to this mixture, as the case may be, through the index cock "T."

The Mixer "B" contains a gasometer, sealed in water, working in a vertical direction and connected to and operating the motor switch "W." The gas in the gasometer, is fed through the pipe "F" to the appliances and as this gas is being used, the gasometer descends until it reaches a certain low point, when it throws the motor switch "W," turning on the motor fan "K," which in turn forces air out through the pipe "C" to the carburetor. This air picks up the gasoline vapor and enters the gasometer of the mixer, through the pipe "D."

More or less air is added to this mixture of air and gasoline vapor coming from the carburetor, directly from the motor fan, through the index cock "T."

When the gasometer is filled with this mixture, it automatically opens the motor switch "W," stops the motor and no more gas is made until that already contained in the gasometer is used up.

To start the machine, push the "Start" button at "V" and if the current is on, the machine will deliver gas. If it is desired to make the machine inoperative, simply push the "Stop" button at "V" and the machine will deliver only the gas that is contained in the gasometer and will remain idle thereafter, until the "Start" button is again pushed.

If the current should fail at any time, the contactor at "Z" will immediately fly out and the gasometer will not refill until the "Start" button is again pushed and the current is on.

MATTHEWS GAS MACHINE COMPANY

192 N. Clark Street,
Chicago, Ill.,
July 27, 1932.

Copper Range Company,
Houghton, Michigan.

Attention:
Mr. Benj. D. Noetzel,
Purchasing Agent.

Gentlemen:

We are in receipt of your letter of the 25th inst. enclosing a blue print of an air pump, asking for a price on one only air pump, as per sketch for use in connection with a Matthews gas machine and in reply will say that the air pump represented in this sketch, is obsolete.

However, we can furnish you with an air pump that is similar, does exactly the same work and is practically the same size and is what we call our 100 light air pump. With this air pump, you could use the same pulleys, weight holder and cable, that you now have.

We could furnish you with one of our 100 light air pumps complete with crank, at a price of \$185.00 f.o.b. Chicago and could ship within two or three days after receiving the order. Terms, 2% cash in 10 days or net in 30 days.

Since this gas machine was installed, we have perfected and placed on the market, our electrically operated gas machine, which is entirely automatic in its operation, starting automatically when gas is required and stopping automatically when no more is needed, without any attention whatever. This electrically operated gas machine consists of only two parts; the electrically operated mixer, which takes the place of your present weight driven air pump and automatic mixing regulator and a carburetor. If you were to buy one of these electrically operated mixers and install it in place of your present weight driven air pump and automatic mixer, in connection with your present carburetor, you would then have a modern gas machine, electrically operated, doing away with the winding up of the weight of the air pump. This electrically operated gas machine delivers gas under a pressure of approximately 3" of water, which is about 50% greater than the pressure your present machine delivers and which is reflected in better service and better economy.

Since our electrically operated gas machine was placed on the market about six years ago, it is being installed almost universally as most places now have current available and the weight driven type is now only being installed where there is no current or where it is unreliable.

The motor operating our electrically operated mixer is only 1/10th of a H.P., which works intermittently, not more than 1/6th of the time that the gas is being used to the full capacity of the gas machine and proportionately less when a lesser amount of gas is used. From this you can see that the cost of operating our electrically

operated gas machine is so small that it is negligible. As the motor is so small, it is always connected to the lighting circuit and in ordering one of our electrically operated mixers, it is necessary to advise us of the exact type of current on which it is to be operated so that it will be properly equipped before leaving our factory. We have these electrically operated mixers in stock so that we could ship immediately on receipt of order.

110 volt a.c.

We can furnish you with one of our electrically operated mixers of the proper size, at a price of \$175.00 f.o.b. Chicago, subject to the same terms as quoted above.

Enclosed you will find our circular, "Rural Gas Plants" which illustrates our gas machine and which we hope will be of interest to you. We also enclose a form letter giving 16 good reasons why our electrically operated gas machine should be installed and on the reverse side, you will find an explanation of how this type of our gas machine operates.

Hoping that we will hear favorably from you, assuring you that your order will have our best attention if placed with us and again thanking you for many past favors, we are,

Yours respectfully,

MATTHEWS GAS MACHINE COMPANY

W. C. Matthews

Copy for
Mr. H. T. Mercer,
July 28, 1932.

DESCRIPTION OF THE OPERATION OF THE GAS MACHINE AT THE PAINESDALE
HIGH SCHOOL.

The burners in the chemical laboratory and kitchen are operated with gas made by a machine similar to the Matthews Gas Machine.

This consists of an iron tank or carburetor, buried in the ground, outside the building and about 30 feet away. Gasoline is stored in this tank below the level of the basement floor.

Referring to the blue print of drawing #2132, index H-298; air from a low pressure air pump enters the top of the tank through pipe A, flows down into the gasoline and bubbles up through the holes in the float F, picking up a charge of gas as it goes. This mixture of gas and air is forced out through pipe B, and so back to the building and to the burners.

No gasoline can flow back to the building at any time, as it is always below the floor level and gas can flow only when the air pump is operating. The air pump is operated by weights, and only runs when gas is being used.

H. O. W. W. W.

Subscribed and sworn to before me
this 24th day of April, 1925.

Notary Public.

My commission expires July 27, 1928.

F.P. 1516-D

