

# "DO YOU LACK STEAM? WE CAN HELP YOU!"

## THE GORDON PATENT HOLLOW BLAST GRATE.



A HOLLOW BLAST GRATE.

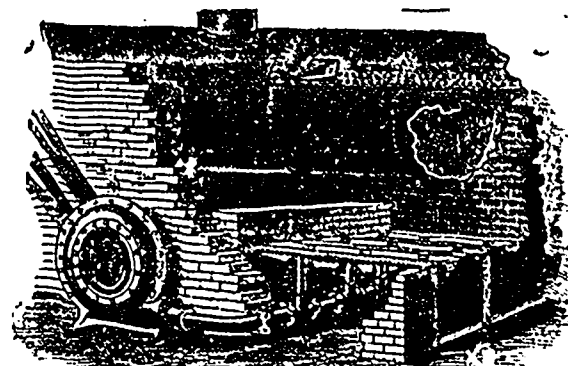
A new and novel application of a principle centuries old. Step into the nearest blacksmith shop and see

*N. B.—Regardless of the character of your fuel, we can greatly increase the volume of steam generated by your boilers. It Costs you nothing to try them. We guarantee satisfaction or no sale.*

it in operation, on a small scale.

The Hollow Blast Grate supplies the furnace fire with a blast of Hot Air sufficient at all times to insure the rapid and perfect combustion of fuel of every sort.

It is the only successful appliance for generating steam from such fuel as the SAWDUST and refuse from hemlock, cypress and hard wood timber or from spent tan bark.



FURNACE FITTED WITH HOLLOW BLAST GRATES AND APPARATUS

### RECENT TESTIMONIALS

JOHN ORM, Pres. S. H. LANGSTAFF, Vice-Pres. GEO. LANGSTAFF, Sec'y. H. W. RANKIN, Treas.  
LANGSTAFF-ORM MAN'G CO.

Manufacturers of Lumber, Sash, Doors, Blinds, Etc. Long Steamboat Lumber a Specialty.

PADUCAH, KY., March 7th, 1891.

The Gordon Hollow Blast Grate Co., Greenville, Mich.

DEAR SIRS,—Enclosed find our cheque to cover amount due you for the Hollow Blast Grate Bars purchased from you some time ago. We have given the Bars a thorough test and are very much pleased with them; we find them to be all you claim.

Yours truly,

LANGSTAFF-ORM M'G CO

JNO. N. PHARR.

F. B. WILLIAMS.

PHARR & WILLIAMS.

Band Sawn Cypress Lumber. Daily capacity, 100,000 feet. Extra Wide Lumber and Tank Stock a Specialty. 50 Million of Logs on hand. 6 Million Feet of Lumber in stock. A. W. U. Telegraph in office.

C. S. BURT, Esq.,

Baton Rouge, La.

PATTERSON, LA., March 9th, 1891.

Dear Sir—Our Grate Bars (Hollow Blast Grates) are now making us all the steam we wish. We had some doubt as to our boilers having sufficient capacity to furnish steam for our engine as they have only 100 horse power while our engine has 250, but we are now making more steam than we can use with cypress saw dust and refuse from our mill. Any one can figure the capacity of the boilers for themselves. There are four of them 32 feet long by 42 inches diameter, each with two flues 15 inches diameter. Our engine is 24x30. Anyone who is short of steam can not do better than to put in the Blast Grate bars. Yours very truly,

PHARR & WILLIAMS

J. T. LIDDLE LUMBER CO.

Lumber. Merchandise. One Mile from Mississippi City, L. & N. Railroad.

HANDSBOURNE, MISS., March 9th, 1891.

TO THE GORDON HOLLOW BLAST GRATE CO., Greenville, Mich.

GENTS.—We are now running our mill with the Hollow Blast Grates and instead of requiring two mule carts to haul away the saw dust, we now consume nearly all, giving us much better steam than we were forced to make it with wood and the small quantity of saw dust we could burn. We are satisfied that every mill man burning wood alone, or wishing to utilize the dust, bark, etc., for fuel will find by test, that the Blast Grates will reduce the labor and expense of steaming by one half.

Respectfully yours, J. T. LIDDLE LUMBER CO.

BRINKLEY CAR WORKS AND MANUFACTURING CO.

Yellow Pine and Oak Lumber.

BRINKEY, ARK., Feb. 7th, 1891.

TO THE GORDON HOLLOW BLAST GRATE CO., Greenville, Mich.

GENTLEMEN.—We have your favor of the 5th, and beg to say in replying thereto, that the Hollow Blast Grates you put in for us are a splendid success, and we are more than pleased with them; by using them we are able to make enough steam to run our plant without having to put in another large boiler. We recommend them very highly. Enclosed find acceptance in settlement of account.

BRINKLEY CAR WORKS & M'G CO.

H. H. MEYER, Sec. and Treas.

THE WOLVERINE LUMBER CO.,

CAIRO, ILL., Feb. 8th, 1891.

TO THE GORDON HOLLOW BLAST GRATE CO., Greenville, Mich.

GENTLEMEN.—Yours of the 14th ult. at hand. In reply will say that we had grates placed and ready for use about the middle of December last, and by January 1st were

fully convinced that they were exactly what we needed. We could not think of trying to run without them for ten times their cost. We are running two band mills in green oak right out of the water, and are burning all our saw dust, leaving none to be carted away. The burning of the saw dust, with your grates, makes a very hot fire and keeps up steam splendidly without the use of any other fuel, excepting a very few slabs. We consider your grates to be what any saw mill requires. As for us, we would not think of trying to run without them. Yours truly, THE WOLVERINE LUMBER CO.

A. E. STEVENSON, Supt.

SILAS KILBOURN & CO.,

Fish and Syrup Packages, Cider Kegs and Jelly Pails.

GRAND HAVEN, MICH., Feb. 20th, 1891.

TO THE GORDON HOLLOW BLAST GRATE CO., Greenville, Mich.

GENTLEMEN.—Enclosed find check in payment for bill of Grates, etc. Please acknowledge receipt of same and oblige. The Grates are doing all you claimed, and more. Will save amount of your bill in better power and fuel in a short time. Before we put them in we had to buy a great many cords of dry slabs each year; we now burn nothing but saw dust and waste from factory, and have much better steam than before. We drive blower with a small "Dako" engine, which we think an improvement over connection with factory power.

Yours truly,

SILAS KILBOURN & CO.

DECATUR LUMBER CO.

All Kinds of Rough and Dressed Lumber.

DECATUR, ALA., Feb. 12th, 1891.

TO THE GORDON HOLLOW BLAST GRATE CO., Greenville, Mich.

GENTLEMEN.—Your Blast Grates are all that you claimed for them, and are very satisfactory.

DECATUR LUMBER CO.

A. W. LEE & CO.,

Oak, Pine and Hemlock Lumber.

BELENA MILLS, PA., Feb. 12th, 1891.

THE GORDON HOLLOW BLAST GRATE CO., Greenville, Mich.

GENTLEMEN.—Enclosed find our check in settlement of account. The apparatus is in and does its work well. It is a decided improvement over the old. We recommend its use.

Yours truly,

A. W. LEE & Co.

C. C. MENGEL, JR., Pres.  
Louisville, Ky.

A. W. WHITNEY, Vice-Pres.  
Alma, Mich.

C. H. MENGEL, Sec. Treas.  
Louisville, Ky.

C. C. MENGEL JR. & BRO. CO.

Louisville, Ky.

Manufacturers of Poplar and Hardwood Lumber.

Mills: Trimble, Tenn.

Oakton, Ky.

Tipton, Tenn.

Boston, Ky.

Office of

Jas. R. DEL Vecchio, Supt

Trimble Mill.

TRIMBLE TENN., March 3rd, 1891.

GORDON HOLLOW BLAST GRATE CO., Greenville, Mich.

DEAR SIR:—Please find enclosed check in payment of our account. Your grate bars have given us perfect satisfaction, and a reference to our records shows that in one month previous to the time we put them in, we had 21 stops for steam, aggregating 6 hours and 9 minutes, or an average of 17 minutes to the stop. Since putting in your bars, on the same fuel in one month, we have had only 6 stops for steam, aggregating 1 hour and 22 minutes, or an average of 13 minutes to the stop. Before introducing your system steam was very seldom up to the limit and the machinery would be continually dragging; since your bars have been put in, if steam gets low the cause is in the fireman alone.

Yours truly,

C. C. MENGEL JR. & BRO. CO.  
JAMES R. DELVECCHIO, Supt.

## The Gordon Hollow Blast Grate Co., Greenville, Mich.

Sole Proprietors of the Gordon Patents for the United States and Canada.