

PLAINTIFF'S EXHIBIT

ASI-939

Patent 1901

TERN UNION TELEGRAM

NEWCOMB CARLTON, President

CLASS OF SERVICE	SYMBOL
Day Message	
Day Letter	LT
Night Message	NM
Night Letter	NL
If none of these three symbols appears after the check number of words this is a day message. Otherwise its character is indicated by the symbol appearing after the check.	

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HOTSPRINGS ARK 945A NOV 26 1921

B F BAKER

KEWANEE ILL

HOME MONDAY EVENING CAN MEET ADAMS NEXT WEEK OR LATER

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SPECIFICATIONS
FOR
KEWANEE Smokeless Tubular Boiler
FOR

Dupont Engine Co. Keokuk Iowa Plant
2-160 H.P. (66" x 18') 125^{W.P.}

SUBMITTED BY

KEWANEE BOILER COMPANY KEWANEE, ILLINOIS

General

Each boiler is to be 66 inches in diameter and 18 feet long, rated at 160 Horse Power and containing 1200 square feet of heating surface.

The boiler will be equipped with down-draft furnace of the Kewanee type and will be set in box type steel casing in accordance with setting plans furnished by the Kewanee Boiler Company.

The boiler will be built for a safe working pressure of 125 pounds per square inch, in strict accordance with the Boiler Code of the American Society of Mechanical Engineers, and will also comply with all existing state and city laws.

Down Draft Furnace

The down draft furnace will consist of an 8 inch pipe size front header, connected to the lower part of the shell by means of solid forged steel nozzles and 4 inch extra heavy steel pipe. The rear header will be 6 inch pipe size connected to the shell at its horizontal center line by means of marine flanges and 4 inch extra heavy steel pipe.

The water grate tubes will be 2½ inch outside diameter, expanded into holes in front and rear headers. Openings opposite the ends of tubes will be provided in both headers for expanding the tubes, and these openings will be provided with Key handhole caps.

Material for both headers and water tubes will be seamless drawn tubing.

Material

The shell plates and heads will be of open hearth firebox quality steel, having a tensile strength of not less than 55,000 pounds nor more than 65,000 pounds per square inch.

Riveting

The longitudinal seams of shell will be of the butt joint lap riveted type, with double covering straps and arranged to break joints in the different courses well above the fire line. All girth seams will be lap joint, single riveted. All rivet holes will be punched ¼ inch small and reamed to full size after plates are assembled.

Braces

Each head to be thoroughly braced with weldless forged steel braces, so spaced and sufficient in number to conform to the requirements of the A. S. M. E. Boiler Code. Crow-foot type braces 1½ inch in diameter will be used above the tubes. Below the tubes, through rods extending from front to rear heads will be used. At the rear head the braces will be attached to two 5x3½ inch angles, securely riveted to the rear head and separated from it by extra heavy pipe thimbles to allow circulation of water between the angles and the head. At the front head, the through rods will be upset to compensate for threading, and will be secured to the head by means of nuts and washers both inside and outside the head.

Tubes

The boiler will contain 54 Lap Weld Steel tubes 4 inches in diameter 18 feet long, set in vertical and horizontal rows, with a clear space between them horizontally and vertically of 1 inch, except the central vertical space, which will be 2 inches.

Tube holes will be drilled not to exceed 1/32 inch greater than the outside tube diameter. Tubes will be set with a roller expander and beaded at each end.

Openings

In the front head below tubes and in the top of shell, will be furnished 10x16 inch manholes complete with steel plate, yokes, bolts and gaskets.

Main steam connections will consist of one 5 inch Taylor forged steel nozzle, with Ex. H x 4 STD. drilling for companion flange.

	Safety valve connections will be <u>2 - 3" Pressed Steel Boiler flanges</u> <u>securely riveted to shell.</u> A brass feed pipe bushing will be provided in the front head for <u>1 1/2</u> inch feed pipe which will extend three fifths the length of boiler from the front head and be arranged with open end to discharge the feed water over the central rows of tubes. The boiler will be provided with an extra heavy flange threaded for <u>2</u> pipe and riveted to the bottom of shell about 8 inches from the rear head for blow-off connection. Necessary threaded openings for attachment of water column will also be provided.
Fusible Plug	In the back head 2 inches above the top row of tubes, the boiler will be provided with a fusible plug.
Smoke Box	The boiler will be provided with a smoke box <u>18</u> inches deep, bolted to the front end of shell with opening at top for smoke outlet.
Supports	On each side of boiler two heavy hanger loops will be securely riveted to the shell and will be provided with weldless U-Bolts to permit boiler being suspended from overhead frame work independent of masonry walls. The suspension equipment will consist of four <u>1.5</u> inch <u>I Beam</u> <u>Clips</u> weighing <u>42</u> pounds per foot, and four <u>2" - 12"</u> <u>I Beam</u> columns. The beams will be assembled in pairs by means of tie bolts and separators, leaving the adjacent edges far enough apart to accommodate the hanger bolts. The columns will have suitable base plates and cap plates, provided with bolt holes for connection bolts and foundation bolts. Foundation bolts will be furnished by the purchaser.
Trimmings	The following trimmings will be furnished for each boiler: <u>2 - 3</u> inch pop safety valves set at <u>125</u> pounds per square inch; <u>8 1/2</u> inch dial steam gauge with syphon and cock and graduated from 0 to <u>200</u> pounds per square inch; <u>Std Ste</u> combination water column with <u>1 1/4</u> inch connections, fitted with three <u>3/4</u> inch gauge cocks and <u>3/4</u> inch water gauge with glass and guards; <u>1 1/2</u> inch check and stop valves for feed water connections; <u>3</u> inch <u>Sanitary</u> blow-off cock.
Front and Castings	The boiler will be provided with a heavy cast iron full flush front arranged for bolting to front end of casing. This front will be furnished complete with necessary flue doors, parallel opening fire doors for upper grate, fire doors with perforated liners for lower grate, ash doors, dead plates and fire door arch liners. For the lower grate a complete set of <u>Butting</u> <u>Rolling</u> <u>grates</u> <u>66</u> inches wide and <u>66</u> long will be furnished. Back arch bars of the <u>Hartford</u> type and a heavy cast iron damper plate for smoke connection will be furnished.
Casing and Insulation	A sectional steel casing of No. 10 steel reinforced by heavy angles will be furnished to enclose all of the brick work except at the top of boiler. This casing will be provided with 20x24 inch access door and necessary access doors opposite ends of water grate headers. The casing should be lined with <u>577</u> square feet of insulating material 1 inch thick, using 85% Magnesite, J. M. Firefelt, Sil-O-Cel Blocks, or equal. Insulating material is not included with casing.
Special Brick	Special fire brick forming the lower course of the wall to be built on the rear header of the down draft grate will be furnished with the boiler.
Test and Inspection	During the construction of the boiler, the workmanship and material will be closely inspected by a qualified inspector. Data reports, certifying that the boiler has been constructed in accordance with the A. S. M. E. Boiler Code, also an insurance policy for \$400 for one year in the Hartford Steam Boiler Inspection and Insurance Company will be furnished.

KEWANEE BOILER COMPANY INC.

(INTER-OFFICE CORRESPONDENCE)

47 WEST 42ND STREET
NEW YORK

February 27th, 1922.

Kewanee Boiler Company
Kewanee, Ill.

Rev. Dupont Engineering Co.

Gentlemen:

The Dupont Engineering Company at Wilmington, Del., in the market for boilers for their Keokuk, Iowa, plant.

Specifications call for 3 - 72" x 18" boilers built to the Code for 125 pounds working pressure, and set in a battery. Include all castings, less grates, suspension frame for battery setting, and trimmings.

Quote separate price on shaking grate.

Include in the boiler figure, smoke breeching, as per sketch attached.

Also give us an alternate figure on 66" x 18" steel encased down draft tubulars.

Make your price f.o.b. Keokuk, and let us have specifications with the price.

Yours very truly,

KEWANEE BOILER COMPANY, INC.



JAD-MT

**Steel Heating Boilers, Tanks,
Garbage Burners and Radiators,
Power Boilers**

47 WEST 42ND STREET
NEW YORK

Sept. 29th, 1921.

Mr. E. E. Baker,
Kewanee Boiler Company,
Kewanee, Ill.

Dear Mr. Baker:

I have been in negotiation with the owners of all the stock of the Fitzgibbons Boiler Company, and have a satisfactory option on the same that I will likely exercise as soon as a few little matters can be ironed out by the owners of the stock.

The Fitzgibbons people have placed about a thousand boilers here in New York, and have a very fine clientele, leaning mostly to power and high pressure stuff, though they did get some big heating installations at very fancy prices. The last five years, however, we have not felt them very much in competition for heating boiler business.

There is so much combined power and heating work here in the East, where we have to build for working pressures up to 150#, and that you do not want, and in addition to where we can sell the Kewanee heating line, that this thing ought to make a fine acquisition for us if I can land it properly.

Soon as I get far enough along so that the deal takes definite shape, will be out to see you and B. F. and talk it over with you, or should you or B. F. be coming East soon, we could talk over the matter here.

This thing if it goes through as I plan, should increase very materially our business on Kewanee heating boilers over this and former years, and which I have primarily in mind in acquiring the Fitzgibbons business.

Yours very truly,

Yours very truly,


MT

24653

Oct. 1, 1921

Mr. Horner Addams,
New York City.

Dear Sir:--

Answering yours of 29th about
Fitzgibbons Boiler Company.

Of course, we know nothing about
this except what you tell us in the letter
and are not in position to say anything
anyway about it except that we shall have
to be fully advised about the details before
giving the matter our approval.

The question with us is whether our
company can afford to sell the product of
another factory. Perhaps, however, you have
in mind taking over our stock in the New York
Kewanee Boiler Company in connection with the
other purchase.

I think neither Frank nor myself
will be exact in the near future.

Yours truly,

KEWANEE BOILER COMPANY, INC.

Steel Heating Boilers, Tanks,
Garbage Burners and Radiators,
Power Boilers

47 WEST 42ND STREET

NEW YORK

October 3rd, 1921.

Mr. E. E. Baker, President,
Kewanee Boiler Company,
Kewanee, Ill.

Dear Mr. Baker:

 Beg to acknowledge your letter of the 1st about the Fitzgibbons Boiler Company and should have really written you more in my first letter, as it is not my intention, at all, to have this deal affect the Kewanee Boiler Company Inc. business and the distribution of Kewanee Boilers in the territory where we now operate.

 I plan to average 50% more Kewanee Boilers in the next three years, than this and last, and should like to contract on a basis that would give us that much more tonnage and additionally aim to double the present volume on Kewanees in five years.

 I, of course, must have the Kewanee name to exploit and sell them and want you with me as now. Even, if I should consider your offer and buy the company's stock I would like you and B. P. to stay in with me in the same relation you now hold just as long as the "Inc" Company is used nearly exclusively to market Kewanee Boiler Co.'s products and I would like to go on under your co-operation the same as now.

 My idea for the Fitzgibbons Boiler Company is to have it go on as before under Mr. D. H. Fitzgibbons, Vice President and Manager, as it has for some years, making and selling their own product and where we need high pressure and power boilers (that Kewanee does not want) buy them at a differential from the Fitzgibbons Boiler Co. who build up to 150# W.P.

 By the way, you hardly have an idea of the fight it is, frequently, with these eastern engineers, a lot of whom specify regularly for 125#, which has long been their custom instead of 100# that we have tried to hold them to.

24655

KEENE BOILER COMPANY

October 3rd, 1921.

Mr. Baker.

Hope the above gives you a better idea of my plans and intentions and really welcome the very frankest exchange of questions on this subject with you.

As soon as the thing gets ironed out satisfactorily, I will be out to see you, likely this month still, and talk over the whole matter with you and get both your and B. F.'s views and advice.

Yours very truly,

Harmer Adams

EW

24656

KEWANEE BOILER COMPANY, INC.

Steel Heating Boilers, Tanks,
Garbage Burners and Radiators,
Power Boilers

47 WEST 42ND STREET
NEW YORK

November 15th, 1921.

Mr. E. E. Baker, President,
Mr. B. F. Baker, Vice President & Treasurer.

Dear Sirs:

Since my visit at Kewanee and frank presentation of the Fitzgibbons deal and after observing the way it apparently struck you, I want to feel sure that no cloud hangs over me and that our understanding of each others motives and purposes is clear.

You know that I have nigh gone thru fire, both to get into this market and afterward, intermittently, to make the grades, and that much of last year and this, we had to lay down before most of the larger attractive installations and nearly all the 100# and higher pressures, largely, on account of our relatively heavier design and construction than our eastern competitors products.

For power and high pressures, particularly with steam size anthracite fuel and in high buildings, with strong draft, I figured this Fitzgibbons boiler would give us relief from the too closely restricted channels to which the present Kewanee line holds us.

As explained, I had or have no thought of replacing any of the four Kewanee types we are selling now, but fear you are not so clear on that point, now as before, and particularly as attested by desire of you both to dispose of the K.B.Co. holdings in the New York Company or to turn it into another style of corporation.

My plans were and are for a bigger N. Y. Kewanee Company and I'd like you identified with it just as now; long as it goes by that name to sell Kewanee Boilers.

If you still feel, as you did when I was out there, let me know on what basis you will sell outright or exchange K.B.Co. Inc. for K.B.Co. stock.

Kewanee Boiler Company

November 15th, 1921.

Mr. E. E. Baker,
Mr. B. F. Baker.

The consideration of such purchase or exchange, tho, would have to be based on supplying the Ins. Co., boilers, etc. up to a million dollars annually, long as this company functioned, as may be agreed on, to promote and consummate business products of the K.B.Co.; the Board and Officers of the Ins. Co. to remain same as now, during life of contract.

The Ins. Company, would agree, during the life of the contract, to expend annually in sales advertising and general business expense, along the lines of present methods of accounting, an amount equal to three-quarter the differential on the prior years purchases of K.B.Co. products, distinctly for the promotion, etc. etc. of sales of said Kewanee Boiler Co.'s products, subject to such further details of arrangement as we may favor and that are mutually fair and will serve to hold us together permanently; accordingly await your reflections.

Yours very truly,

Harry Adams

c/o Kewanee Boiler Co.,
Kewanee, Ill.

Nov. 19, 1921.

Major Adams,
47 West 42nd Street,
New York City.

Dear Adams:

Yours of the 18th forwarded to me here.

Before answering this I should like to talk with the other officers, and, as I shall be at home on the 29th, will defer a detailed answer until that time. I have no doubt that we shall be able to arrive at some kind of a settlement that will be satisfactory to both parties.

Yours very truly,



Mr. B. F. Baker,
Newanee, Ill.

Dear Sir:

I have a letter from Addams, of which, of course, you have a copy, and am enclosing carbon of my answer herewith.

As I see it now, it would seem best for us to close out this deal by exchanging stock, and probably on the basis of book value as fixed by the auditors January 1st would be about right. We will talk it over when I get home. I notice that Addams says nothing about the name, and we will discuss that too when I get home...

Yours very truly,

Enc.

November 23rd, 1921.

Mr. E. E. Baker,
Arlington Hotel,
Hot Springs National Park, Ark.

Dear Mr. Baker:

Have yours of the 19th about mine of
the 15th.

We are working on a deal in Buffalo,
for considerably increased business there next year
and the writer should really go there the latter part
of next week, say after the 30th, or during the week
following.

If a conference ^{my friend} would be suitable, say
latter part of next week, or during the latter part of
week following, so that I could take in Buffalo either
going or coming, it would save time, money and travel
for me and we could then go over our New York problem
in an entirely personal and informal way.

I have thought a good deal about your
and Mr. B. F.'s suggestion to ultimately change the
title of the corporation and now feel that to even do
that wouldn't prove as hurtful to the sale of Kawano
products as I possibly at first feared.

Hope you and Mrs. Baker are having a
most delightful time in that wonder-land where you are
on vacation, as I believe we are now getting nearer
and nearer the starting point for building normalcy
and in which we will need to work with our best strength
and fitness.

Very truly yours,

CC to Mr. B. F. Baker