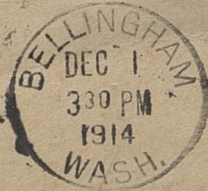


RETURN TO



Mr. H. G. Foster

Mr. H. G. Foster,

312 N. Cliff Ave.,

Tacoma, Wash.

LABORATORY

THE OLYMPIC PORTLAND CEMENT CO., Ltd.

Bellingham, Wash., Dec. 1 - 1914

Analysis of Sample of

Reed from Mr. Foster

No. _____ Received _____ 1914

J. H. Rank

CHIEF CHEMIST

THE OLYMPIC PORTLAND CEMENT CO., LTD.

HEAD OFFICE: LONDON, ENGLAND

WORKS AT BELLINGHAM, WASH.



ADDRESS ALL COMMUNICATIONS TO THE COMPANY.
 QUOTATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 ALL AGREEMENTS ARE CONTINGENT UPON STRIKES,
 ACCIDENTS, DELAYS, OR OTHER CAUSES UNAVOID-
 ABLE OR BEYOND OUR CONTROL

AGENTS AND MANAGERS FOR THE PACIFIC COAST-
 BALFOUR, GUTHRIE & CO.
 SAN FRANCISCO, CALIFORNIA
 PORTLAND, OREGON
 SEATTLE AND TACOMA, WASHINGTON
 VANCOUVER, B. C.

BELLINGHAM, WASH. Dec. 1, 1914.

Mr. H. G. Foster,
 312 N. Cliff Ave.,
 Tacoma, Wash.

Dear Foster:-

Attached you will find copy of the analysis of sample submitted upon your last visit to the lab.

I didn't test for the acids except the carbonates and chlorides. There is a small percentage of carbonates and quite a large percentage of chlorides, and I suppose most of the lime is present as some form of chlorides. I tested for chloride soluble in water and as calcium chloride is quite soluble in water, it is reasonable to assume that at least part of the lime is present as a chloride.

Wishing you a very happy holiday season, I am

Cordially yours,

F. H. Rowk

	1 st Max	1 st clinker	2 nd clinker with added 1/2 20% s.c.w.
SiO ₂	7.04	9.27	27.32
Al ₂ O ₃	4.70	6.19	4.95
Fe ₂ O ₃	1.40	1.84	1.47
CaO	62.31	82.06	65.66
MgO	.48	.63	.50
100	99.99	99.99	99.89

After 10 days, return to

Box 93

R. R. No. 3,
FERNDALE, Whatcom Co., WASH.



Harv. G. Foster

Box 1617-

Person

Wc

Ferndale Wash. 6/28 1916

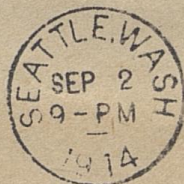
H. G. Porter, Esq

I have been hoping to hear from you again, Mr Kennedy told me what you told him, with the political slant removed and almost as if a good old Republican Administration to some, would like to have you tell me if you think you have any thing that looks like you can do things a little later, please favor me with an answer, I may add that we will get Patent to the Cascade Property in Sept. according to the information we got from the U S Surveyor General. Let me hear from you

Yours truly
A. W. Bessent
Box 93 - RFD 3 -

Ferndale, Wash
will be in Seattle July 12 to 17th
at 5016 - 12th Ave W - Phone Ken-
wood 1608

After 10 days, return to
BALFOUR, GUTHRIE & CO.,
Box 1907
SEATTLE, WASH.



Harrison G. Foster, Esq.,
312 N. Cliff,
TACOMA, WASH.

Seattle, Wash. Sept., 2, 1914

Harrison G. Foster, Esq.,
312 N. Cliff,
Tacoma, Wash.

My dear Harry:

As you are aware, I had planned to have Gibson come to the office here and take his place in the Selling Department of Olympic, but since that plan was considered many things have happened and, much as I regret it, we are compelled to dispense with Gibson's services. We are shutting down the plant to half time, otherwise we would have kept him on there, but of course the reason we are shutting down the plant to half time is that the consumption of Cement is falling off daily owing to financial conditions brought about by the war, and we are forced to discharge some of our staff now, as we have no work for them. I thought it well to write you and explain the matter, although you are enough of a business man to know and appreciate what we are up against at the present time. I enclose copy of my letter to Gibson telling him of what must be, and it gives me a wrench in my heart to dispense with Gibson's services, because he has been an unqualified success at Bellingham and would have been a success here, if we had had work for him to do.

I hope, of course, to see conditions change before very long, but we have got to look at them as they are to-day.

Yours very sincerely,

A. H. Harlie

Encl.

5016 - 12 June 1916
Seattle Wash
LESS HAY & GRAIN CO.
BELLINGHAM, WASH.

SEATTLE, WASH.
MAY 5
10:30 PM
1916



Hart G Foster. Esq

Box 1617-

Tacoma.

Wash.

Seattle, Wash. 5--5--1916

Hart G Foster, Esq

Mr Kennedy informed me that you where in Seattle today, and gave me your verbal message, will say, i am not trying to rush things at all, and want you to have plenty of time to communicate with your parties, nor will i enter any further with any one any negotiation untill you tell me that you dont want it, i enclose you copy of Water Power report also, if you will i would like to have a report of your findings (a copy) if you will be kind enough to give it to me, also i will say if you want to see the up River deposit i will go with you about june 10 th, and i will show you the largest deposit in Washington or the Northwest, and in case you wish we will in the event of making a sale to you hold this open for your examination and as you found things here as represented you will not be dissapointed there as we will show all things as we represent them

yours truly

A. v. Presentin. ---5016-12 th Ave. N. E. Seattle Wash

A. von Praeger, Esq.

Seattle, Wash.

Dear Sir,

I beg herewith to submit report of the preliminary examination made by me on the 9th inst; of water power site on Illiabet (Skagit County) Creek in Sect. 2 T 44 N R. 10. E. W. M. At the locality examined I found 19700 C. bic feet of water per minute, with a natural dam site for a dam 190 feet high, with a base of 100 ft. of length about 500 ft. This would develop at the dam 6000 H.P. and a possible development of 15000 H.P. by piping down stream for 1 mile. Owing to unusual spring conditions the ~~xxxxx~~ streams in this locality are at their dry weather stage, and this volume of water can likely dependet upon for the average year. Illiabet's Creek has its source in three lakes nine and twelve miles distance, at an elevation of 3100 to 3300 ft not only insuring a constant flow with large storage possibilities, but also, affording an opportunity for tripling and quadrupling the power by installing stations at different points along its source

Trusting these facts may be of value to you I am truly yours

A. G. Mosier

Sedro Wally, Wash June 11th, 1910



Mr. H. G. Foster,
11 Bancroft House,
Andover, Mass.

Fly Meyer & M. E. Simon
Clothes Shop.

384 WASHINGTON STREET
BOSTON, MASS.



HARRY F. GOODWIN.

WITH
ELY MEYER & M. C. SIMON
CLOTHES SHOP

384 WASHINGTON STREET
BOSTON

Ely Meyer & M. C. Simon
Clothes Shop

384 WASHINGTON STREET

JOE BEESON
MANAGING PARTNER

T. HENRY CLARKSON
ASSISTANT MANAGER

TAILOR SHOPS
ROCHESTER, NEW YORK

BOSTON May 3, 1909.

Mr. H. G. Foster,
Andover, Mass.
Dear Sir:

As one of my valued customers during my connection with Melzar Smith Co., I am writing this personal note to inform you that I have associated myself with Messrs. Ely Meyer & M. C. Simon, 384 Washington St. Corner Franklin Street.

This firm has really revolutionized the production of men's fine clothes, and by their advanced methods and high artistic ideals they have created a class of garments of their very own---designed and made in their own tailoring shops at Rochester, New York.

I should like to have an opportunity of showing you these garments and their exclusive haberdashery, which I am sure will appeal to you, and I trust that you will favor us with a call at your convenience.

Respectfully yours,

Harry F. Goodwin



Mr. Hart Gibson Foster,
312 North Cliff Avenue,
Tacoma,
Washington.

Lexington, Kentucky,
January 18, 1916.

Mr. Hart Gibson Foster,
312 North Cliff Avenue,
Tacoma, Washington.

My dear Hart:

Enclosed you will find a letter from Stuart Smith which I took the liberty of opening, it having been addressed to you here, and knowing that it contained information regarding the Cement Products business, I thought it best to open before forwarding it. Stuart evidently feels well disposed toward the pipe machine, and I should judge from his letter that he has been having a rather hard time in Detroit. I will write him.

I also received your letter of January 12th explaining why the Corvallis people refused payment of note, but hope you have sent them the pallettes to take the place of the pallettes that were not satisfactory. I trust you will be able to do something with Mr. Lamont in regard to the lathes. If you should get an order for some Thomas machines you could keep yourselves busy for at least a month longer. Was very sorry to hear of Mr. Cooper's illness. Be sure to talk freely with Mr. Jackson, letting him know what you are doing and what the prospects are. Have not heard from George Browne yet but hope he will be able to make a sale, although from your letter, and also from your Cousin Beall, I should judge that the lumber company did not make a very good showing last year. We

also have had some cold weather, the thermometer hovering around zero for the past twenty-four hours. I know that you are enjoying your skating; the exercise is very good for you. The latter part of this month they are to have a carnival at St. Paul - one of the old sort - tobogganing, ice-boating, skating, etc. I may be there before it is over. We are all well here except myself; I have been confined to the house for the last five days with grip but expect to meet Mr. Anderson tomorrow night in Cincinnati and go over the plans for the machines. Will probably be there three or four days; consequently will not leave here much before the first of February.

Am glad to hear your grandmother and grandfather are getting along nicely. Give them all our love.

Affectionately yours,

Bob

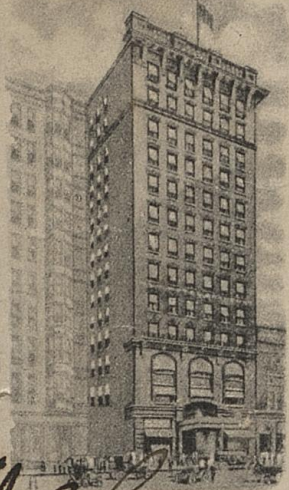
*Andison doing well
but there is a fire up who
in the Versailles. Mike
keeps him jumping. Not
He says he has
got the ring on the go.*



CHICAGO, ILL.
JUL 24
4:30 PM
7916

Mr Hart G. Foster
312 Cliff Drive,
Tacoma,
Washington.

12



W.A. Currier
REVOORT HOTEL

120 WEST MADISON ST.

CHICAGO



A. W. HANNAH, PREST.

DAVID HOGG, TREAS.

LAURENCE R. ADAMS, SECY. & MGR.

Hotel Brevooort

120 W. MADISON ST. NEAR LA SALLE

Chicago July 24 1916.

Mr Start G. Foster:

Jacoma.

Dear Start:

Received your telegram regarding offer for office furniture.

The desks &c are easily worth \$75.00 and I think

we can get it. Did not wire as requested, costs too much for the service rendered to do so.

Have a long letter to your father that I will get off after the two o'clock mail this afternoon.

May be some news later



Hotel Brevoort

120 W. MADISON ST. NEAR LA SALLE

Chicago

191

than I have now.

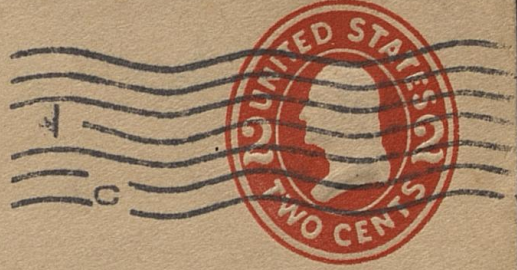
When you come across
be sure, that my type
writer comes with you
as I need it also that
book "Modern Competition."

Have you written Mr.
Bent, regarding job
at Incom and whether
you can expect the money
promptly on machine he
has at Long Beach, Cal.

Will be glad to have a
line or two from you.
Wife and girl arrived O.K.
and are enjoying lake breeze
today. Sincerely, Rufus.

After...4....days, return to

A. v. Presentin.....
5016-12th Ave. N.E.
SEATTLE, WASH.



Hart. G. Foster. Esq

Lock Box 1617--

Tacoma.

wash

Seattle Wash 5--11--1916

Hart G Foster Esq

If you will be in Tacoma Saturday, I would like to meet you, unless you are coming to Seattle by that time, I want to show you something on the property which you have not seen, also tell me how things are progressing. I will next Sunday leave for Ferndale, (Box 93-R F D 3, Ferndale, Wash) and stay there for some time, unless wanted, I am thinking it would be a good time to go to the up River claims June 3rd at which time if it suits you we will complete details for the trip, so as to make it as fast as possible, please let me know by return mail if you can meet me at Tacoma next Saturday, and at what time, or if you should come to Seattle, advise me, hoping to hear from you I am truly yours

A. von. Pressentin.

5016-12th Ave. N.E.

Seattle.

Wash

After....*3*....days, return to

A von Pressentin

Box 93 - R.F.D. 3 -

SEATTLE, WASH.

Fernatale



Hart & Foster

Box 1617

Tacoma

Wash

Ferndale Wash. 5/15-1916

Hart G Foster Esq

I am on the Ranch at Ferndale and if you should need me, please write me as follows. R F D 3 - Box 93 -

Ferndale Wash. Would be glad to hear from you any time. I wrote you to Paroma, I wanted to show you the report of the U S Engineer he says there is in sight \$140,000 worth of Limestone in sight and probly three times as much in the ground. Please write me here, and I hope with good news

Yours truly

John Presseevine

Box 93 - R F D 3

Ferndale
Wash



Wm. G. Foster Esq^{re}

Chicago,
Illinois,

944 Leland Ave

November 22d, 1916.

Mr. Will A. Curless,
c/o The Universal Portland Cement Co.,
Information Bureau,
210 So. La Salle St.,
Chicago, Illinois.

Dear Sir:

We desire to advise you that the property and business of The Colorado Concrete Manufacturing Company are for sale. This business, as you will probably recall was started in connection with a construction business, being operated under the same management at the time that The Colorado Concrete Manufacturing Company was incorporated. (January 1912). The reason for disposing of this business may be attributed to other interests of the management and principal stockholders, having grown to such an extent that they are unable to devote the proper time to the management of the concrete pipe business. The plant has not been run to capacity, nor even steadily. The business has not been pushed and the only sales that have been made are practically re-orders from satisfied customers; these consist principally of The Denver and Rio Grande Railroad Company, The City of Colorado Springs, El Paso County, most of the local plumbers and the surrounding counties.

On account of not being in a position to follow up the business and having salesmen on the road to look into new construction matters, we have lost many sales. The fact has been established, that if the business could be taken over by parties who would devote their entire time to the concrete pipe business, that the sales would be materially increased and the business would show a satisfactory profit.

Recently The Colorado Concrete Manufacturing Company have received inquiry from Esterline and Angus of Indianapolis, Indiana. These engineers sent a schedule and asked for private information regarding the business of the Company. At that time, not knowing the status of the engineers, the Company did not send them the information requested.

Page-2. Nov. 22d, 1916. W.A.C.

Herewith attached is a report on the business done, and other data that will give you an idea as to what we have done and what can be expected from the business as established.

As for the quality of the pipe made on the machine in our plant it is par excellence as shown by tests made in the laboratory at Colorado College by municipalities and individual interests. Copies of tests hereto attached.

Our experience in this business shows that we are able to compete with the Clay plants established in Denver and Pueblo, Colorado. We have solicited and secured orders beyond these places, shipping pipe thru their territories.

If you are interested in the above, kindly advise within a reasonable time,

Yours very truly,

THE COLORADO CONCRETE MANUFACTURING COMPANY.

By

W. M. Wilson

WMW-S

WILLIAM A. CURLESS

1242 ROSEDALE AVENUE
CHICAGO, ILLINOIS

November 22, 1916.

Mr. Harrison G. Foster,
286 Laurel Ave.,
St. Paul, Minn.

Dear Mr. Foster:

Have had very good success in getting information on concrete pipe from the Colorado Concrete Mfg. Co., of Colorado Springs. Mr. E. C. vanDiest, Manager was out of the city but Mr. W. M. Wilson, Auditor for the company, filled in the Esterline & Angus schedule in a very complete way. He also furnished data on costs and other information.

For the way the business here has been run it makes a good showing and if I am as successful in getting all the information of like character, while on this trip; will be repaid and taken with our report the information will go a long way toward success.

Am leaving for Salt Lake City, Utah, tomorrow morning. Will spend Friday there and go on west.

With very best regards,

Sincerely yours,

William A. Curless

Frederick Young
Walter B. Hennigan

Boston, Mass.,

June 9 1908

Wm Foster & Ferrer House Andover

Bought of COES & YOUNG

Designers, Makers, and Retailers of
HIGH-GRADE SHOES



TELEPHONE, MAIN 2347-4

All Bills Due In 30 Days

No. 20 School Street

May 12 Rec'd Per Or

6.00

RECEIVED PAYMENT

JUN 26 1908

COES & YOUNG

Per *W.B.*

THIS agreement made and entered into this twenty-first day of November, nineteen hundred and eighteen, by and between William A. Curless of Pittsburgh, Pennsylvania, party of the first part, Tuxill Realty Co., of New York, party of the second part, Bayside Homes Co., Inc. of New York City, New York, party of the third part, and C. L. Fellows of East Stroudsburg, Pennsylvania, for himself and his associates, party of the fourth part.

Whereas the first party hereto owns or controls and is able to deliver certain patents and rights covering concrete sewer pipe machinery.

And whereas the second and third parties hereto respectively own certain lands on Long Island containing sand and gravel useful in the making of concrete sewer pipe.

And whereas all the parties hereto desire to organize a corporation under the laws of the State of New York for the purpose of acquiring the patents and rights of the first party and the lands of the second and third parties, and enter into a business, inter alia, for manufacturing concrete sewer pipe for the market.

Therefore witnesseth: That is hereby agreed that the corporation shall be organized by the parties hereto with a capitalization of One Million Dollars (\$1,000,000) for the purpose of carrying out the above mentioned intent, the capital stock to consist of Seven Hundred Fifty Thousand Dollars (\$750,000) common stock and Two Hundred Fifty Thousand Dollars (\$250,000) of seven per cent. 7% preferred stock, the said preferred stock not to further participate in the distribution of profits in excess of said seven per cent (7%).

1. The first party hereto agrees to and with the other parties of this agreement, to sell, assign, transfer and set over unto the said proposed company the following patents and rights covering the making of machinery for the manufacture of concrete sewer pipe.

To wit: first, patent issued to Thomas W. Hammond, which said patent is now held by the concrete pipe and machinery

company, a corporation organized and doing business under the laws of the State of Washington; second, three other patents also covering machinery for the manufacture of concrete sewer pipe, the latter three now being owned by Harrison F. Foster and William A. Curless the aforesaid patents being known as the Thomas Machine, Thomas Improved Machine and the Thomas-Hammond Machine patents; third all pending applications for patents covering or pertaining to glazed concrete sewer pipe machinery applied for by the first party hereto or interests with which he has been or is now identified; fourth, the transfer of the title to the corporation of the above mentioned four patents and the rights under the same, are to be made subject to the following:

To wit:

- a. The right previously sold to Arthur S. Bont or the California Glazed Concrete Pipe Company, to make, use and sell these machines, limited for use in State of California.
- b. The right sold to Hammond and assigns to make, use and sell these machines, limited for use in the States of Oregon and Washington.
- c. The right hereto sold to others to manufacture and sell the pipe in other territory west of the Rocky Mountains.
- d. The right to manufacture and sell glazed concrete sewer pipe in the State of Oklahoma and in Saginaw, Michigan, and in the northern peninsula of Michigan.

The party of the first part hereby agrees that from this day forth, provided the within described corporation is organized, he will, if any other improvements are devised by him for the improvement or betterment of concrete sewer pipe machinery, without further consideration, turn the same over to the said corporation.

It is further agreed by the said first party to and with the other parties hereto, that he will devote his time to the management of the said proposed corporation in the manufacture and sale of concrete sewer pipe, and to this he shall give his best efforts and shall receive as compensation for his services Fifty Cents (50¢) per ton for all sewer pipe made and sold by the corporation, and the other parties to this agreement hereby agree that the first party shall be employed by the proposed corporation to so act as manager of the company on the basis of the terms

above mentioned, and that the patents and rights as described to be purchased.

The first party hereto is to receive as consideration for the patents and rights and Etc. agreed to be delivered to the said Corporation, Two Hundred Thousand Dollars (\$200,000) full paid non-assessible common capital stock of said proposed corporation.

11. For and in consideration of the payment of Two Hundred Sixty-Five Thousand Dollars (\$265,000) of full paid, non-assessible common capital stock of the said proposed corporation, the Tuxill Realty Co, hereby agrees to and with the other parties to this agreement to sell and to make, execute and deliver therefore to the said proposed corporation to be organized for the manufacture and sale of concrete sewer pipe, a good and sufficient deed in fee simple, subject to a first mortgage against same for One Hundred Thirty-Five Thousand Dollars (\$135,000) a certain tract of land on Long Island known as the easterly section of Beacon Hill, Port Washington, containing fifty-two acres, more or less, more particularly described on the blue print attached hereto and made part thereof, marked on map showing easterly section of Beacon Hill, Port Washington, New York, together with all rights incident and privileges appurtenant to said land, excepting and reserving, however, from the same, two cottages with the lots adjoining, as indicated on the said blue print in pencil, the said land to be taken over by the proposed corporation.

111. For and in consideration of the delivery to it of Thirty-Five Thousand Dollars (\$35,000) of the full paid, non-assessible, common capital stock of the said proposed corporation to be organized for the manufacture and sale of concrete sewer pipe, the Bayside Homes Co., Inc., party of the third part, agrees to and with the other parties hereto, to sell and to make, execute and deliver therefore to the said proposed corporation to be organized for the manufacture and sale of concrete sewer pipe, a good and sufficient deed in fee simple, subject to two mortgages aggregating Sixty-Five Thousand Dollars (\$65,000) a certain tract of land on Long Island at Port Washington, known as the Starren

property on Manhasset Bay, containing twelve acres, more or less, more particularly described by metes and bounds on the map attached to the agreement hereto, made part hereof, marked exhibit A. together with all rights and privileges appurtenant to the said tract of land.

Briefs of titles for the two described properties to wit: the one for fifty-two acres, and the other for twelve acres, are to be furnished by the owners respectively, to the other parties hereto, within a reasonable time from date; and a brief and history of the titles of the patents granted and pending, above mentioned, shall be delivered to the other parties hereto, by the party of the first part, within a reasonable time from date.

The second party hereto, agrees to properly assure the other parties to this agreement, before this agreement is operative, that the mortgage of One Hundred Thirty-Five Thousand Dollars (\$135,000) on the property of the second party, which becomes due in Nineteen hundred and nineteen, maybe extended for a period of at least three years.

C. L. Fellows for himself and his associates, hereby agrees to and with the other parties hereto, to purchase One Hundred Thousand Dollars (\$100,000) of the common capital stock of the proposed corporation to be erected for the purpose of making and selling concrete sewer pipe, above mentioned, and pay per therefore.

It is hereby agreed by and between the parties hereto, each with the others, that no one of the parties is bound to carry out the covenants and agreements herein made by it, if there be any default made in the performance of any of the terms, stipulations, or covenants herein required to be done or performed by any one of the other parties hereto.

It is agreed among the parties hereto that the proposed corporation above mentioned, shall be erected promptly with the said capitalization of One Million Dollars (\$1,000,000) as above provided for, to be divided as indicated, and that the titles to the above described premises, and the titles to the

patents and applications for patents as described and the payment for the stock to be purchased, likewise the delivery of the stock for the payment of the lands and patents purchased; and that all papers provided above and requisite shall be delivered at the office of the Tuxill Realty Co., 47 West 34th Street, New York City, on or before the second day of January, nineteen hundred and nineteen; and that payment by C. L. Fellows for himself and his associates, of Twenty Five Thousand (\$25,000) Dollars worth of the stock of this company, agreed to be purchased by him on or before the second day of January, nineteen hundred and nineteen, shall be made at the time of the delivery of deeds, titles, and other papers ~~on this case~~ in this case.

It is further agreed to and by the parties hereto, that, if it be found impracticable at this time to organize a corporation for One Million Dollars (\$1,000,000) and secure the right at this time to deliver the amount of stock above provided for to carry out the true intent of this agreement, that then, and in that case, the corporation may be organized with a capitalization of One Hundred Thousand Dollars (\$100,000) of common stock, and the same proportion of stock of the One Hundred Thousand Dollars (\$100,000) shall be delivered to the respective parties hereto, as One Hundred bears (100) to Six Hundred (600). That is to say, the first party hereto, shall perform all the covenants he has agreed to perform, and instead of receiving Two Hundred Thousand Dollars (\$200,000) worth of capital stock, he shall immediately receive one-sixth ($1/6$) thereof, the balance to be delivered to him at such time as the corporation may be allowed to increase its capitalization to One Million Dollars (\$1,000,000) and to issue its stock to that amount, the second party shall perform its covenants as agreed upon and instead of receiving Two Hundred Sixty Five Thousand Dollars (\$265,000) worth of capital stock, it shall receive one-sixth ($1/6$) thereof, the balance to be delivered at the same time as provided for in the case of the party of the first part; and the third party shall under the same circumstances perform its covenants as agreed upon; and instead of receiving Thirty Five Thousand Dollars

(15,000) worth of capital stock, it shall receive one-sixth (1/6) thereof, the balance to be paid at ~~the~~ the same time and in the same manner as provided for the first and second parties; and the fourth party, under these conditions shall perform its covenants and instead of receiving One Hundred Thousand Dollars (\$100,000) worth of capital stock in return for One Hundred Thousand Dollars (\$100,000) each, he shall receive one -sixth (1/6) thereof, the balance of the stock to be delivered at the same time and in the same manner as provided for in case of the other three parties_ hereto.

It is hereby agreed among the parties hereto, that the above described properties agreed to be sold by the second and third parties respectively, be purchased under the terms and conditions as above herein stated.

The agreements, conditions, terms and stipulations herein contained to extend to and bind as well the principal hereto, as the heirs, executors, administrators, successors and assigns of the respective parties hereto.

Seal

William A. Curless
Tuxill Realty Co.

Tuxill President

Bayside Homes Co., Inc.
By F. A. Burdett, Pres.

Seal

C. L. Fellows
for self and associates

C O P Y

OFFICERS

CHESTER D. ADAMS, President
R. D. NORWOOD, Vice President
CHAS. Y. BEAN, Secretary
JAMES J. O'BRIEN, Treasurer
ERLE M. MCGUFFEY, Attorney

DIRECTORS

CHESTER D. ADAMS
R. D. NORWOOD
MORRIS L. LEVY
R. M. STARK
HART G. FOSTER
JAMES J. O'BRIEN
DAVID P. EASTIN
ERLE M. MCGUFFEY
CHAS. Y. BEAN
DR. R. M. ARMSTRONG
GEO. HOSKINS

PHONE ASHLAND 944

Estate Building & Loan Association

INCORPORATED

CHEAPSIDE AND SHORT STREET

Lexington, Kentucky

March 8, 1934.

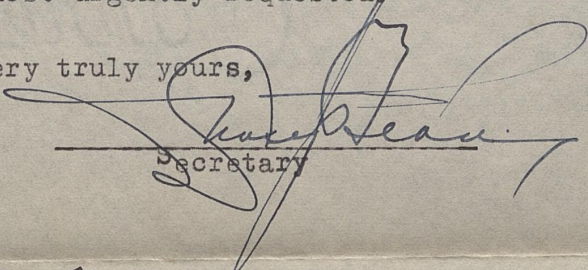
Mr. Hart G. Foster,
Eminence, Ky.

Dear Sir:-

Please bear in mind the adjourned meeting of the Board of Directors of this Association which is to meet on Friday afternoon at 4 o'clock at the office of the Association, #131 Cheapside.

As you will appreciate, a matter of considerable importance will be up for final decision and your presence is most urgently requested.

Very truly yours,


Secretary

Hart:-
Can't you
CYB/K
please come to
this meeting? It is
most important
Charley

The Manufacture of
"Olympic"^{Portland} Cement
(By Wet Process)



Balfour, Guthrie & Co.

General Sales Agents
Central Building, Seattle

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Dealers in All Other Classes of Building Material

Foreword

PORTLAND CEMENT has assumed such important proportions in all classes of building and construction work in the past decade that some particulars regarding what is now conceded to be the most up-to-date method of manufacture will doubtless be of interest to architects, engineers, and contractors.

In these pages is given a complete description of the wet process of manufacture of “Olympic” Portland Cement at Bellingham, Wash., as well as some information as to the quality of the cement produced since the commencement of manufacturing operations last May.

This wet process was originated in Europe about ten years ago, and since that time has been developed to a high state of perfection and economy, with the result that it is now largely in use throughout that Continent. It is only within the last two years that it has been introduced in this Country, and, while parts of the wet process installation have recently been added by one or two factories in the United States and Canada, the Olympic Portland Cement Co., Ltd., has the first plant on this Continent which has been wholly built for the wet process of manufacture from hard raw materials.

Process of Manufacture of "Olympic" Portland Cement

Four raw materials are used in and for the manufacture of Olympic Portland Cement, namely: Limestone, clay, water and gypsum.

The Stone crushed to 1-inch cubes and smaller, is brought from the quarries in large steel hopper cars and dumped into the monitor of the stone storage building. This building has a capacity of 9,000 tons of limestone. The stone is then discharged through hoppers to a belt conveyor, which in turn discharges to a Link belt conveyor and thence to the raw mill bins.

The Clay is unloaded from cars by an electric crane which distributes the clay in the clay storage, and also feeds it to the wash mill hoppers.

The Water is metered into the clay at the wash mill basin, the two being thoroughly mixed so that it resembles a fine syrupy substance, whence it passes through an agitating basin, from which it is pumped up to the feeder at the outlet of the raw mill bins.

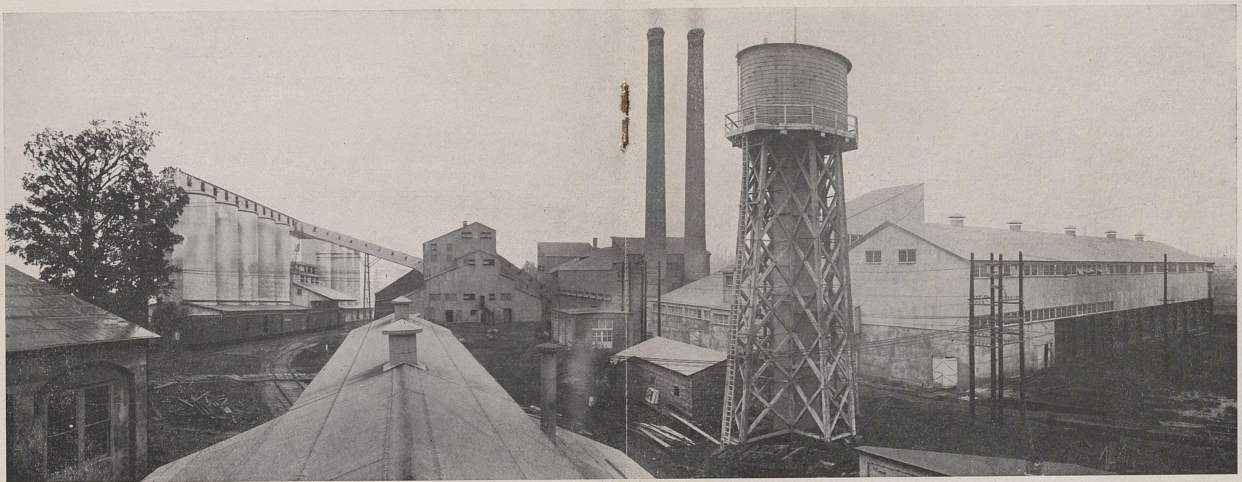
Grinding At this point the stone and clay, in the ratio of about $3\frac{3}{4}$ to one, with approximately 34% of water added, all meet and are ground together in two No. 85 Smidth kominuters charged with steel balls.

Screening After this the ground mixture is screened through two Trix machines and the part that is fine enough to pass on is sent forward to a No. E-20 all pebble tube mill, while the coarse particles are returned to the kominuter for further grinding. The No. E-20 tube mill forms the second stage of the grinding, and after passing through this mill the mixture is next ground in two No. 18 Cylpeb mills which finishes the 3-stage raw grinding.

Slurry The raw material is now called slurry, and from the Cylpeb mills is discharged into the correcting basins, where the Chemist adjusts his mixture to the proper chemical condition for burning. This being arrived at, the slurry is carried by compressed air to the storage tanks under the kilns in the kiln building. Each of these tanks holds 2000 barrels. From these tanks it is pumped by two slow motion cylinder pumps up to the feeding devices at the intake end of the kilns.

Kilns These kilns, two in number, are 170' 4" long by 9' and 10' diameter, and are equipped with all the most modern devices for the proper regulation of the burning of the clinker. The fuel for these kilns is crude oil which is forced into the kilns under air pressure, after having been heated to the proper temperature. The heating and pumping at the firing end of the kilns is carried out by means of a 150 H. P. boiler.

General View of "Olympic" Portland Cement Plant at Bellingham, Washington



Burning The slurry enters the kilns carrying, as already stated, about 34% of water, and in its travels through the kilns is heated to incipient fusion.

Cooling Leaving the kilns as clinker it passes down to the coolers, where it is cooled by means of cold air furnished by two large fans. This air, becoming heated, is in turn forced up through the hood of the kilns and enters the kilns with the compressed air and oil fuel. The hot air from the coolers, however, comes in too large quantities for perfect combustion in the kilns, so the surplus heat is used under the boiler of the oil heating apparatus. From the coolers the clinker is conveyed either to the clinker storage, which has a capacity of 170,000 barrels, or direct to the clinker, or finish mill.

Finishing In this mill there is a two-stage grinding through the same machines as in the raw end. First the proper quantity of Gypsum is added to the clinker to regulate the setting. Then the two together pass through the kominuters, and secondly through two combination pebble and cypheb tube mills. It is then finished cement, and, after screening, is carried by conveyors to the silos for storage.

Silage These silos, ten in number, have a capacity of 10,000 barrels each, giving a bulk storage of finished cement of 100,000 barrels. The cement is drawn from the bottom of the silos by machines that are known as ex-binners, thence delivered to a conveyor which carries it to the packing room.

§ § "*Olympic*" Portland Cement § §

Sacking In the packing room the cement is sacked by 4 Bates packing machines, and after the packing process is completed the filled bags are automatically dropped on to conveyors which deliver them into the cars for shipment from the works. From the car of raw material to the car of finished cement the product is never touched by hand; that is, as far as any actual manual labor is concerned.

Advantages

From the foregoing description it can readily be seen that there are one or two features which commend this wet process of manufacture as superior to that of others. Amongst these may be mentioned the following:

First: The elimination of practically all dust as compared with the troublesome drying of raw materials before grinding, which is an essential feature of the dry process.

Second: The elimination of heavy discharge and loss of fines through the kiln stacks.

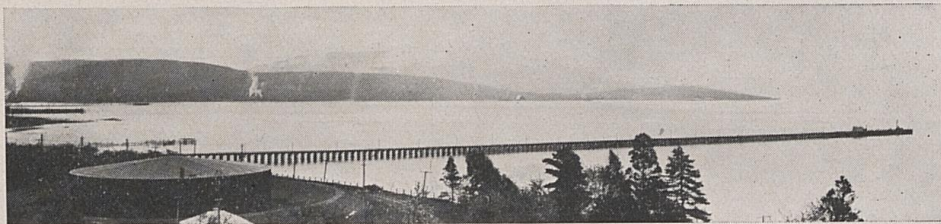
Third: Faster and more economical grinding on the raw end, and the production of a smaller, softer clinker, which grinds more easily on the finish end.

Fourth: And most important, perfect control of the works at all stages on the raw end, insuring a uniform product, so that once a standard of quality is established it is more easily maintained.

Power used in operating the plant is entirely electric supplied by the Puget Sound Traction, Light & Power Co.

Shipping Facilities The "Olympic" plant has the distinction of being the only one in this country built on salt water with shipping facilities for ocean-going steamers.

The Wharf the Company has built into Bellingham Bay is 3,300 ft. long, and is of very substantial construction. Besides its water shipping facilities, the Company is fortunate in having direct connections with three Railroads, viz., the Chicago, Milwaukee & St. Paul, the Great Northern, and Northern Pacific.



§ § *“Olympic” Portland Cement* § §

The Factory has now been running for over five months with the result that “Olympic” has already demonstrated itself to be a first grade Portland Cement in every respect.

Analysis

Production averages between 1700 and 1800 barrels per day, and following is analysis made by Edwards & Lazell, Chemists and Cement Testers of Portland, Ore.:

Loss on Ignition	1.27
Silica and Insoluble Matter.....	21.14
Iron and Alumina	9.61
Calcium Oxide (Lime)	64.68
Magnesium Oxide (Magnesia)	1.31
Sulphuric Anhydride	1.61

Specific Gravity, 3.12. 99.62%

Tests

Physical Tests made by City Engineer’s Office, Seattle, from various samples drawn during the period which the Plant has been in operation to date are as follows:

	Fineness Through No. 200 Mesh Sieve.	Mixed one part Cement to three parts Standard Ottawa Sand.	
		1 day in air 7 days in water.	1 day in air and 27 days in water.
Sample No. 1.....	94.4	430 lbs.	478 lbs.
Sample No. 2.....	95.	442 “	487 “
Sample No. 3.....	94.8	448 “	505 “
Sample No. 4.....	93.	428 “	506 “
Sample No. 5.....	94.	466 “	513 “
Sample No. 6.....	93.6	438 “	522 “
Sample No. 7.....	93.2	450 “	530 “
Sample No. 8.....	94.4	462 “	515 “
Sample No. 9.....	93.	470 “	535 “
Sample No. 10.....	90.4	424 “	478 “
Sample No. 11.....	90.6	424 “	476 “
Sample No. 12.....	93.	442 “	501 “
Sample No. 13.....	91.6	476 “	522 “
Sample No. 14.....	91.4	420 “	560 “
Sample No. 15.....	92.4	449 “	518 “
Sample No. 16.....	91.7	446 “	495 “
Sample No. 17.....	91.	486 “	505 “
Average	92.8	447 lbs.	508 lbs.

Initial Set: Average, 3 hours. Final, 6 hours.

§ § "Olympic" Portland Cement § §

Following are some tests made by the Portland City Engineer. Sampled June and August, 1913:

FINENESS.		SETTING TIME.		TENSILE STRENGTH.	
100 Mesh.	200 Mesh.	Initial.	Final.	1 to 3 Mix.	
				7 Days.	28 Days.
97.8	90.2	4:34	7:09		449
					515
					450
				437	471 Average
98.	89.5	3:05	5:15	410	540
				452	554
				417	532
				426	542 Average

REMARKS: O. K. in all respects.

Summary

The high tensile strength shown by these tests can be attributed to the fineness which is steadily being maintained at from 90% to 92% on a No. 200 mesh sieve, and the proper regulation of the various ingredients to secure a uniform analysis as before stated. Consumers generally will appreciate the fine grinding by reason of its giving "Olympic" increased Sand carrying capacity, as well as making it more easily worked, in that it mixes better and quicker than a coarser ground cement.

Guarantee

"Olympic" is guaranteed to pass any standard specification or requirements, and it can also be purchased with a guarantee to pass the Auto Clave Test, if so required. The Auto Clave, as is well known, is the most severe Test to which Cement can be subjected.

Designers F. L. Smidth & Co., of New York, London, and Copenhagen, the well-known Designers and Builders of Cement Factories, were the Engineers in charge of construction.

§ § §

Olympic Portland Cement Co. *Ltd.*
Seattle, Wash.

November, 1913

