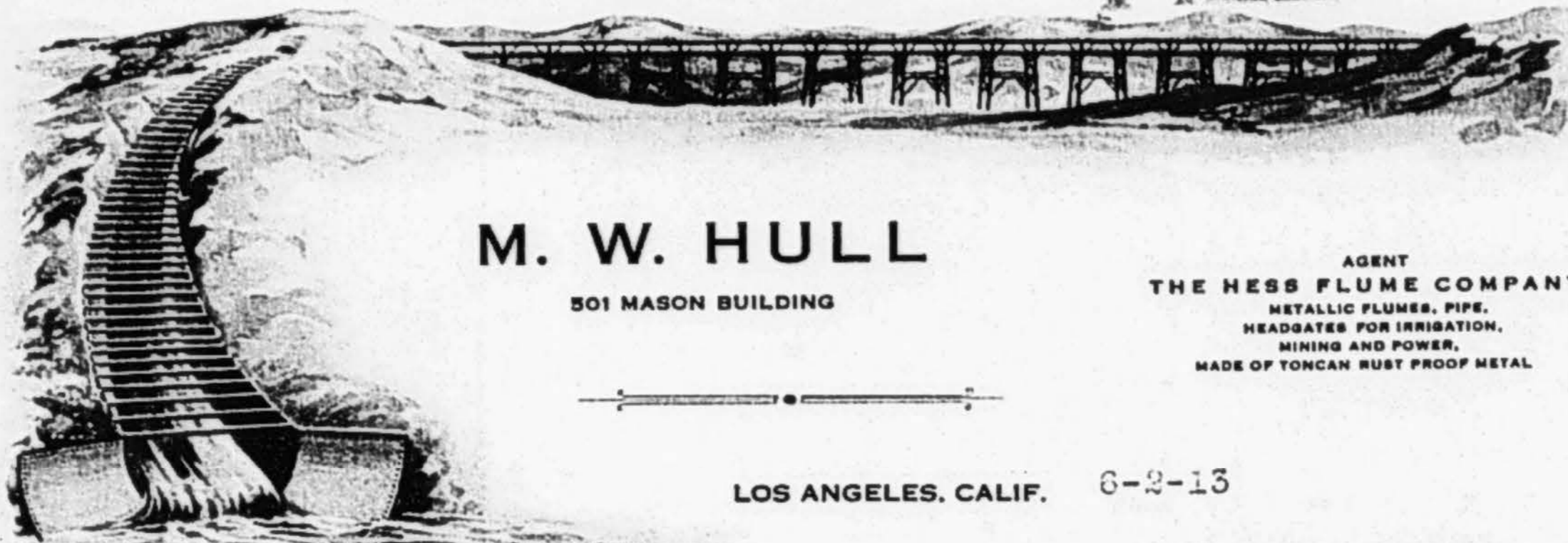


CW Co Flume Recms

FILE

H1



M. W. HULL

501 MASON BUILDING

AGENT  
THE HESS FLUME COMPANY  
METALLIC FLUMES, PIPE,  
HEADGATES FOR IRRIGATION,  
MINING AND POWER,  
MADE OF TONCAN RUST PROOF METAL

LOS ANGELES, CALIF. 6-2-13

C. W. CO.

FILE

Mr. W.S. Post C.E.  
San Diego, Cal.  
My dear Mr. Post

I am sending you under separate cover the ~~the~~ blueprints showing the installation of our flume as ditch lining. Where the flume is placed in the ground you will notice that most of the carriers are left off. The back filling removes the collapsing tendency and the material is put along the edge as a protection as well as to hold the flume together.

In the carriers that you are having made for the 80' of #108 I think you better have the holes bored thro the 3" way instead of the 4". I think myself that the narrow edge down figures out better ~~but~~ and I make my designs that way but I am asking you to make the holes the other way for this reason. I notice on a few late photographs that the carriers are flat down and the rods are just the right length and I noticed on the Natomas flume some days ago that the rods were cut to exact length whereas heretofore they have been cut extra long. It may be our people are saving this extra length and I do not want to have any delay thro short rods or cause you any expense in shaving down the carriers. The strains on the carrier where the flume is hung close to the stringer are such that it does not make any material difference which way it goes and as I have too short a time to check with the factory I believe we better not take any chance on it.

If you have them already made, I think we are quite safe in letting them go.

Yours very truly

*M. W. Hull*

Pac. Coast Rep.

FILE

#5

C. W. CO.

July 5, 1913.

Mr. M. W. Hull,

501 Mason Bldg.,

Los Angeles, Cal.

Dear Sir:-

Replying to yours of the first, the flume for Cuyamaca Water Co. was received and is now installed. We will try it out a little later.

Very sincerely yours,

WSP-WK



H19



M. W. HULL

501 MASON BUILDING

AGENT  
THE HESS FLUME COMPANY  
METALLIC FLUMES, PIPE,  
HEADGATES FOR IRRIGATION,  
MINING AND POWER,  
MADE OF TONCAN RUST PROOF METAL

LOS ANGELES, CALIF. 9-2-13

C. W. CO.,  
FILE

Mr. W.S. Post C.E.  
San Diego, Cal.  
Dear Sir:-

Is there anything that you can tell me about the prospective purchase of flume for the Cuyamaca Co.

I wish to book the order when the right time comes and intend to go to San Diego to see you.

I shall greatly appreciate it if you can give me some idea of when the matter is coming up.

My thanks herewith.

Yours very truly

*M.W. Hull*  
Pac. Coast. Rep.

MWH.H

*Ans this*

C. W. CO.

**C. W. CO.  
FILE**

September 2, 1913.

Mr. M. W. Hull, Agent,  
Hess Flume Co.,  
Los Angeles, Cal.

Dear Sir:

Yours of September 2nd, at hand.

I cannot say definitely at the present time whether there will be occasion to order more flume or not. However, I shall be glad to let you know of any possible order in ample time for your benefit.

Sincerely yours,

Chief Engineer.  
Cuyamaca Water Company.

WK

**C. W. CO.**



WESTERN UNION

Form 2580

H21

RECEIVERS NO	TIME FILED	CHECK
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DAY LETTER

THEO. N. VAIL, PRESIDENT

C. W. CO. FILE

SEND the following Day Letter, subject to the terms on back hereof, which are hereby agreed to

Sept. 18, 1913.

M. W. Hull,  
501 Mason Bldg.,  
Los Angeles, Cal.

Can you make 30 day delivery on about six hundred feet of number sixty Toncan flume all curves. Wire bedrock price as per correspondence. I hope to complete car-load with number one hundred and eight .

Wm. S. Post.

(Charge Cuyamaca Water Co.)



M. W. HULL

501 MASON BUILDING

AGENT  
THE HESS FLUME COMPANY  
METALLIC FLUMES, PIPE,  
HEADGATES FOR IRRIGATION,  
MINING AND POWER,  
MADE OF TONCAN RUST PROOF METAL

LOS ANGELES, CALIF.

9-28-13

FILE

C. W. CO.

Mr. W.S. Post C.E.  
#928-8th St.  
San Diego, Cal.  
Dear Sir:-

Your wire of even date noting changes in curve data at hand. I have passed it on to the factory.

I received another stock sheet from the factory today and I note that the quantity of sheets necessary to make the complete order of #108 in Toncan is not in stock. I have received no notice that they will not be able to make the order up in full out of this metal and do it promptly. They may have enough ordered and in transit or about to be shipped to do it. However they may advise me that to do so will delay the order two or three weeks and in event they do so advise I wish to ask you if you have any objection to filling out with the "Apollo Bloom Steel" on this car?

I am sending you a booklet and a folder on this steel and you will note that it is very high grade stuff. We handle all of the U.S. Reclamation S. business and they order about three of the steel to one of the Toncan where the flume is above ground and not used for lining. Two engineers, Mr. T.H. Means and Mr. T.H. Silsbee practicing in the north end of the state allowed us to fill out under similar conditions. Both are ex-U.S.R.S. engineers and Mr. Means said to me that his personal knowledge of the "Apollo Bloom Steel" was such that he was satisfied with the change.

You will note in the folder that the oldest metal flume in the country is made of this metal. I asked our home office for a special report on this flume about six weeks ago and they reported that one of their men had recently examined it and that it was as good as the day it was installed, even the stencil was still legible.

This is a McGinnis flume. The McGinnis was sold out to the Hess Co. last fall, being pretty well out of business anyway because of the fact that the Hess Co was getting nearly all of the business due to superior connection at the joint.

Substitution for prompt shipment may not be necessary but I wish to be posted so that I can meet the situation promptly if I am advised can not make all Toncan without delay.

Yours very truly

M. W. Hull  
Pac. Coast Rep.



H.25

Form 260

# THE WESTERN UNION TELEGRAPH COMPANY

INCORPORATED

25,000 OFFICES IN AMERICA.

CABLE SERVICE TO ALL THE WORLD

THEO. N. VAIL, PRESIDENT

BELVIDERE BROOKS, GENERAL MANAGER

RECEIVER'S No.	TIME FILED	CHECK

**SEND** the following message subject to the terms }  
on back hereof, which are hereby agreed to

Sept. 22, 1913.

M W Hull  
501 Mason Bldg  
Los Angeles, Cal.

**C. W. CO.**  
**FILE**

Our order Sept. 19th, change radius of curves No. one and two to  
eighty-nine and five-tenths feet instead of one hundred seventy  
nine feet. Same length on center-line.

Wm S Post,  
Engineer.

(CHARGE CUYAMACA WATER CO.)

in order Sept 19. Change radius  
of curvis No. 1 and 2 to 89.5 feet  
instead of 179 feet. Same length.

M. M. Hull  
Hess & Lamm Co



**M. W. HULL**

501 MASON BUILDING

AGENT  
**THE HESS FLUME COMPANY**  
METALLIC FLUMES, PIPE,  
HEADGATES FOR IRRIGATION,  
MINING AND POWER,  
MADE OF TONCAN RUST PROOF METAL

LOS ANGELES, CALIF. 9-23-13

Mr. W. S. Post  
924-8th St.  
San Diego, Cal.  
Dear Sir:-

My letter of yesterday re substitution of steel for Toncan was just a little too previous.

Word from the factory at Denver this morning states that they can fill with Toncan within a very few days after receipt of specifications

Yours very truly

Pac. Coast Rep.

XXXXXXXXXXXX  
924 8th St.

September 24, 1913.

Mr. M. W. Hull,

501 Mason Building,

Los Angeles, Cal.

Dear Sir:

Replying to your letter of Sept 22nd, I judge that the No 60 flume is going to be all Toncan metal. Time of shipment is the important thing with me and therefore on the No 108 you are authorized to substitute "Apollo Bloom Steel" as you suggest to make up the car if necessary.

I hope to have the list of curves for this No. 108 ready for you tomorrow.

Very truly yours,

WSP-WK



XXXXXXXXXX

924 8th St.

September 26, 1913

C. W. CO

Mr. M. W. Hull,

501 Mason Building,

Los Angeles, Cal.

FILE

Dear Sir:

Enclosed please find a table of the radius, length, etc. for the last order of No. 108 flume which I believe was for 1400 feet of flume, but in order to make it end well I have increased the order by 51.85 feet.

Hoping this order receives prompt attention, I am,

Very truly yours,

Chief Engineer,  
Cuyamaca Water Company.

VZK

SEPT. 26, 1913.

Curve No.	Radius of Curve in feet.	Left or Right.	Length on Center Line.
1	48.00	Rt.	42.64
2	61.06	Rt.	41.36
3	286.48	Lft.	55.40
4	31.83	Rt.	33.58
5	238.73	Lft.	70.10
6	59.68	Rt.	82.24
7	286.48	Rt.	74.00
8	143.24	Rt.	100.54
9	95.49	Rt.	28.05
14	95.49	Rt.	77.94
15	63.66	Rt.	30.00

Angle - 6° left from P. T. Curve No. 2.

816 feet straight flume.

Alignment for last order of No. 108

Flume, total order 1,451.85 feet.

On curve -- 635.85

Straight -- 816.00

1,451.85  
=====

FILE  
C. W. CO.

THE CUYAMACA WATER COMPANY.  
=====

OK J. Murphy

d





**M. W. HULL**

501 MASON BUILDING

AGENT  
**THE HESS FLUME COMPANY**  
METALLIC FLUMES, PIPE,  
HEADGATES FOR IRRIGATION,  
MINING AND POWER,  
MADE OF TONCAN RUST PROOF METAL

LOS ANGELES, CALIF. 10-6-13

Mr. W.S. Post C.E.  
#934-8th. St.  
San Diego, Cal.  
Dear Sir:-

When I sent the data for the 660' of #60 flume to the factory I wrote them in part as follows:-

"The flume will be put on stringers 14' long and you will note from the enclosed data, that the curves are quite abrupt and in order to ease them up as much as possible, Engineer Post and I agreed that it would be advisable not to make all of the break at the stringer ends, but to make a portion of it at the center, or thereabouts, of each stringer and he would spread the stringers apart an extra foot so as to take care of the curve in the centre, thus avoiding any short stringers and extra posts. If there are any reasons why this is not practicable, please advise me at once."

In reply they say:-

"Referring to the curves in #60 for Cuyamaca W. Co. your suggestion for breaks between bents is all right and we will make the curves to conform to the sketch. Be sure that the stringers are wide enough apart so that they will have no trouble in connecting the curves."

Fuller specification of the type of sluice box of which I sent you blueprint a few days ago, says that the #108 weighs 400#.

If you wish to have a box of either style and have it shipped with the car of flume I would suggest that you advise me very soon so as to not hold up the car.

Yours very truly

*M. W. Hull*  
Pac. Coast Rep.



**M. W. HULL**

501 MASON BUILDING

AGENT  
**THE HESS FLUME COMPANY**  
METALLIC FLUMES, PIPE,  
HEADGATES FOR IRRIGATION,  
MINING AND POWER,  
MADE OF TONCAN RUST PROOF METAL

LOS ANGELES, CALIF. 10-7-13

Mr. W.S. Post C.E.  
#934-8th. St.  
San Diego, Cal.  
Dear Sir:-

Please note the following letter from our factory:-  
10-4-13 "We are in receipt of the curve data for the #108 flume for the Cuyamaca Water Co. We will send our plans for negotiating the curves in the next day or two.

On short radii we propose to follow out your scheme and have the mitred sections come every 7'. On the longer radii the mitred sections will come approximately every 14'. However we will send you the data for the curves in full as soon as our engineer finishes preparing it so that they can go ahead with the substructure. We are planning to begin work on this order next Monday and hope to be able to ship next week.

In regard to sluice box for this company, if they desire a hand wheel, we can supply them with six of these boxes for \$60.00 each equipped with hand wheel raising device instead of lever raising device"

I am not sure that the break in the flume on the 7' point is in accord with your desires on the #108 and I suggest that you advise me as soon as possible, if not, so that I can wire them to that effect.

The above letter indicates that they are probably now working on the order.

Yours very truly

*M. W. Hull*  
Pac. Coast Rep.

P.S. I judge the price on sluice box above is F.O.B. Denver.

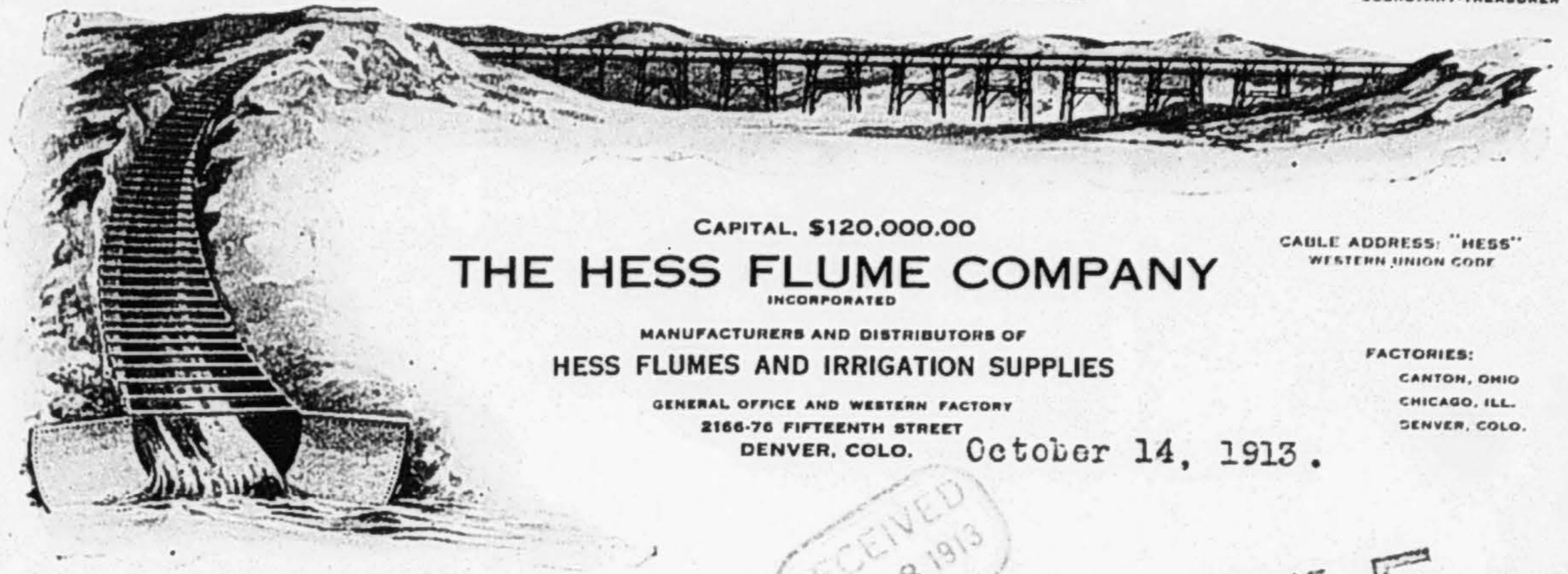


GEO. L. HESS  
PRESIDENT AND GEN. MGR.

R. W. PATTERSON  
VICE-PRESIDENT

HERBERT SAXTON  
SALES MANAGER

O. H. WOODS  
SECRETARY-TREASURER



CAPITAL, \$120,000.00

# THE HESS FLUME COMPANY

INCORPORATED

CABLE ADDRESS: "HESS"  
WESTERN UNION CODE

MANUFACTURERS AND DISTRIBUTORS OF  
HESS FLUMES AND IRRIGATION SUPPLIES

FACTORIES:  
CANTON, OHIO  
CHICAGO, ILL.  
DENVER, COLO.

GENERAL OFFICE AND WESTERN FACTORY  
2166-76 FIFTEENTH STREET  
DENVER, COLO.

October 14, 1913.

RECEIVED  
OCT 18 1913

FILE

Cuyamaca Water Company,  
San Diego, Calif.

C. W. CO.

Gentlemen:

We enclose herewith bill of lading covering shipment of your order of September 19th, 1913.

The mitered edges of the mitered sections are painted black so that there can be no error in the field in erection. The curve number is marked in paint upon each section that is mitered.

Trusting that the material will be received in good condition, we are

Very truly yours,

THE HESS FLUME COMPANY

Per *O. H. Woods*  
Sec'y-Treas.

OHW:ES

Enc.

SAN DIEGO  
OCT 16  
1230 PM  
1913



THIS SIDE OF CARD IS FOR ADDRESS ONLY

C. W. CO.

*Cuyamaca Water Co*  
*City*

FILE



S. C. PAYSON,  
General Agent.  
W. S. CUNNINGHAM,  
Rate Clerk.

# SANTA FE.

Freight Dept., 1014 Fourth Street.  
Telephones: Main 5128, Home 2611

F. L. HOPE,  
Contracting Agt

San Diego, Cal., *12/10*.....191*3*.

Car. *At 2306.6*..... Loaded with *Flumes*.....

Passed | .....  
Albuquerque.....

Belen.....

*Passed Denver 10/14/13*.....

S. C. PAYSON, General Agent.

Transferred from.....



THE ATCHISON TOPEKA AND SANTA FE RAILWAY COMPANY.

Straight Bill of Lading - Original - Not Negotiable.

Denver, Colo.

October 14, 1913.

from Hess Flume Co.

Consigned to Cuyamaca Water Co.

Destination San Diego, State of California.

Route S Fe Car Initial A T & S F Car No 23066

No Packages Description of Articles and special marks

631	galv sheets #108
46	bundles (632) 1/2 rods #108
64	bundles (632) 1 x 3/16 bands #108
4	bundles 5/8 washers #108 (1264)
8	bundles shoes - mag #108 (1264)
1	section miter joined
178	sheets galv #60 (30" sections)
92	" " #60 (36" sections)
14	bundles 3/8 rod (272) #60
18	" 1 x 3/16 band (272) #60
3	" 1 - W whocs (544) #60
3	" 1/2" washers (544) #60

Flume Material

The Hess Flume Co. shipper  
per O H Woods

Received,  
Oct 14 1913  
C S Craig Agt.

C. W. CO.  
FILE

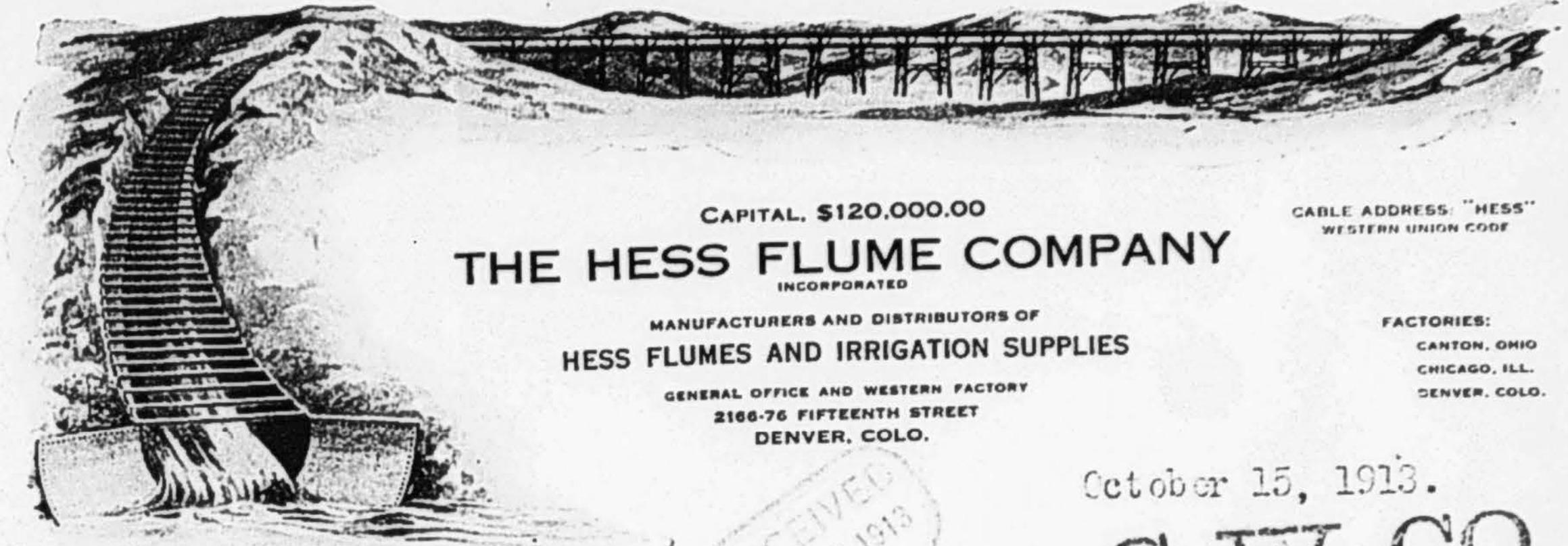
COPY

GEO. L. HESS  
PRESIDENT AND GEN. MGR.

R. W. PATTERSON  
VICE-PRESIDENT

HERBERT SAXTON  
SALES MANAGER

O. H. WOODS  
SECRETARY-TREASURER



CAPITAL \$120,000.00

THE HESS FLUME COMPANY  
INCORPORATED

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GENERAL OFFICE AND WESTERN FACTORY  
2166-76 FIFTEENTH STREET  
DENVER, COLO.

CABLE ADDRESS: "HESS"  
WESTERN UNION CODE

FACTORIES:  
CANTON, OHIO  
CHICAGO, ILL.  
DENVER, COLO.

October 15, 1913.

C. W. CO.

FILE

RECEIVED  
OCT 15 1913

The Cuyamaca Water Company,  
San Diego, California.

Gentlemen:-

We have instructed the Atchison, Topeka & Santa Fe Railway Co., at Denver, to change the destination of our shipment of October 14th, in A. T. & S. F. Car 23066, from San Diego, Calif., to Lakeside, California, and we trust that there will be no difficulty in having the car delivered at the proper destination.

Very truly yours,

THE HESS FLUME COMPANY,  
Per, *O. H. Woods*  
Sec'y-Treas.

OHW-JA.





# M. W. HULL

501 MASON BUILDING

AGENT  
THE HESS FLUME COMPANY  
METALLIC FLUMES, PIPE,  
HEADGATES FOR IRRIGATION,  
MINING AND POWER,  
MADE OF TONCAN RUST PROOF METAL

LOS ANGELES, CALIF.

10-17-13

C. W. CO.  
FILE

Mr. W. S. Post C.E.  
#924-8th. St.  
San Diego, Cal.  
Dear Sir:-

I note by copy of shipping order, one of which you have also received by this time, that the car was billed to San Diego instead of Lakeside. This will inconvenience you to the extent of seeing that the car is sent on after it reaches San Diego which I trust will not be too much trouble.

I am pleased that they gave this order precedent over others and manufactured it within a very few days after the receipt of the last curve data.

I hope it will come thro promptly.

yours very truly

*M. W. Hull*  
Pac. Coast Rep.



**Ed Fletcher Papers**

**1870-1955**

**MSS.81**

**Box: 13 Folder: 3**

**General Correspondence - Hull, M.W.**



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