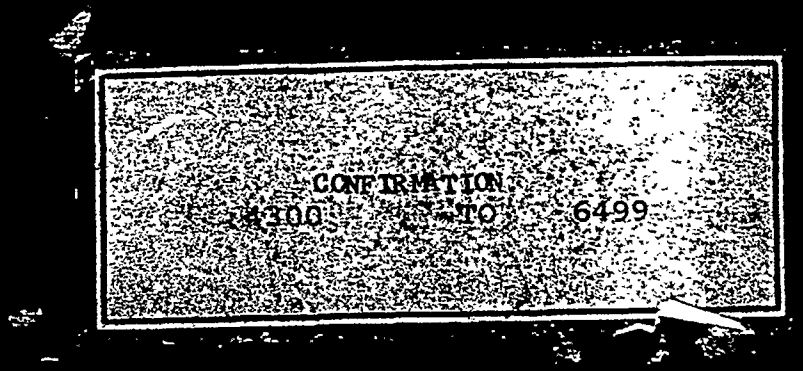
PLAINTIFF'S
EXHIBIT
USX-41



ENGINEER'S COPY

T. J. Gibbs -
WWH/CHP:L

USS-8333 H12
(Prop.)

FAIRFIELD STEEL WORKS
Reline No. 5 Blast Furnace - Cast House
& Equipment - Iron Notch Drill

T. J. Gibbs
John D. Brooks
W. M. Stewart

R. P. Goldsmith
O. E. Dagnan
J. S. Lother

CJS- 6478

8/21/62

Shook & Fletcher Insulation Co.
2431 1st Avenue South
Birmingham 2, Ala.

Fairfield Steel
Fairfield, Ala.

R. C. Brunson
No. 1 Storehouse

Deld.

1% - 10th prox.

42 - Lin. Ft. 3" thick Insulation for 2" pipe
Calsilite molded - single layer - sectional
with bands

Code 19110-JX $1.65 per lin. ft.

DEL. REQ. 8/29/62.

PER YOUR QUOTE DATED 7/24/62.

HWC/wb

CJS- 6478

ENGINEER'S COPY

USS-8182 7A
Prop.

O. E. Dagnan

FAIRFIELD STEEL WORKS - Construction Dept.
Blast Furnace Dept. - Replace Gas Cleaning Facilities - Steam Lines

T. J. Gibbs
J. D. Brooks
W. M. Stewart

Works Auditor
O. E. Dagnan
J. S. Lother

CJS- 6326

10/4/62

Shook & Fletcher Supply Co.
1814 1st Avenue North
Birmingham, Ala.

Fairfield Steel
Fairfield, Ala.

R. C. Brunson
No. 1 Storehouse

Deld. 1% - 10th prox.

60 - Lin. Ft. 85% Magnesia Pipe Covering 1-1/2" thick for 1" Pipe
Code 19110-JX $.52 per lin. ft.

CONFIRMATION, PHONED 9/28/62.

DEL. REQ. 10/2/62.

GLA/wb

CJS- 6326

ENGINEER'S COPY

E. Vance

USS-8182 7A (Prop.)

FAIRFIELD CONSTRUCTION - FAIRFIELD STEEL WORKS - Replace Gas Cleaning Facilities - Steam Purging Lines

T. J. Gibbs
J. D. Brooks
W. M. Stewart

R. P. Goldsmith
O. E. Dagnan
J. S. Lother

CJS- 6299

9/17/62

Shook & Fletcher Insulation Co.
2431 1st Avenue South
Birmingham 2, Ala.

Fairfield Steel
Fairfield, Ala.

R. C. Brunson
No. 1 Storehouse

Deld.

1% - 10th prox.

129 - Lin. Ft. 85% Magnesia Pipe Insulation 2-1/2" thick for 3" Pipe

Code 19110-JX $1.65 per ft.

DEL. REQ. 9/20/62.

GLA/wb

CJS- 6299

ENGINEER'S COPY

J.W.Oglestree
WWH/SRA:L

USS-8361 A8,A9 & A10 Property

ENSLEY STEEL WORKS - Reline
No. 1 Blast Furnace - Stack -
Lining Materials

T. J. Gibbs
J. D. Brooks
W. M. Stewart

J. B. Mays
O. E. Dagman
J. S. Lofner

SWV
CES-6117½

C ES 6117½

8/2/62

Dixie Division
A. P. Green Fire Brick Co.
2301 Comer Bldg.
Birmingham 3, Ala.

See 12-27-63 PC Book for addtns.

See 1-2-64 PC Book for cancellations.

Ensley Steel
Ensley, Ala.

R. M. Barber

Kimberly, Ala.

Net 5th & 20th

40,000 lbs. - Mortar, Type A-3000 heat set - Satonite - in 100 lb. bags $ 133.48 N. T.

All material shall be palletized. Pallets with 4" runners are preferred.
Type "O" Protection - No Charge

Delv. Reqd. - 1/7/63

SWV/sr

CES-6117-1/2

C ES 6117 ½

ENGINEER'S COPY
J.W.Ogletree
WWH/SPA:L

USS-8361 A8,A9 & A10 Property SWV

ENSLEY STEEL WORKS - Reline No. 1 Blast Furnace - Stack - Lining Materials

T. J. Gibbs
J. D. Brooks
W. M. Stewart
J. B. Mays
O. E. Dagnan
J. S. Lother

CES-6117

8/2/62

Harbison-Walker Refractories Co.
2130 - Highland Ave., Room 207
Birmingham 5, Ala.

Ensley Steel
Ensley, Ala.

R. M. Barber

See L. 9-26-62 P.C Book for Add.
See L - 9/24/62 for add.
See L - 4-16-63 for Cancellation
See L 1-2-64 P C Book per letter

Fairfield, Ala.

Net 20th prox.

163,000 lbs. - Mortar, Type A-3000 air set - Super Harbond - in 100# bags $ 151.70 N. T.

90,000 lbs. - Graphitic Plastic Firebrick - HW Blackpatch - In 100 lb. containers 91.58 N. T.

All above material shall be palletized. Pallets with 4" runners are preferred.
Type "O" Protection - No Charge.

Material to be shipped from Vandalia, Mo. direct to our Ensley Plant.

Delv. Reqd. - 1/7/63

SWV/ar

CES-6117

CES-6117

ENGINEER'S COPY

J.W.Oglatree
WWH/EBA:L

USS-8361

½ A8,A9 &
A10 Property

ENSLEY STEEL WORKS - Reline
No. 1 Blast Furnace - Stack - Lining
Materials

T. J. Gibbs
J. D. Brooks
W. M. Stewart
D.H.McFarland

J. B. Mays
O. E. Dagnan
J. S. Lother

SWV

CES-6114

C ES 6114

7/31/62

H. K. Porter Co., Inc.
Refractories Div.
P. O. Drawer 187
Bessemer, Ala.

Ensley Steel
Ensley, Ala.

R. M. Barber

Your Bessemer, Ala. Plant

Net 5th & 20th

8,950 pcs. - 9 x 4-1/2 x 3 - Straight Ladle Brick

$ 132.00 M

All brick shall be palletized with Type B Protection $ 1.10 each. Each pallet shall be wrapped with polyethylene waterproof cover at a cost of $1.00 each.

Delv. Reqd. - 1/7/62

SWV/ar

CES-6114

C 6114

ENGINEER'S COPY

J.W.Ogletree
WWH/SBA:L

USS-8361

A8,A9 & A10 -Property

ENSLEY STEEL WORKS - Reline
No. 1 Blast Furnace - Stack - Lining
Materials

T. J. Gibbs
J. D. Brooks
W. M. Stewart

J. B. Mays
O. E. Dagnan
J. S. Lother

SWV
(CES-6113)

See L 2-28-64
P.C. Book for addtns.

CES 6113

8/2/62

Harbison-Walker Refractories Co.
2130 Highland Ave., Room 207
Birmingham 5, Ala.

See L 4-26-63 P.C. Book for add.

Ensley Steel
Ensley, Ala.

See L 12-13-63
P C Book for addtns

See L. 9/24/62 for add.

R. M. Barber

Ala. B.F. - Your Bessemer, Ala. Plant
Varnon B.F. - Vandalia, Mo. with $0.04
CWT F/A

Net 20th prox.

FOLLOWING HARD BURNED CONE 23 B.F. QUALITY VARNON FIRE CLAY BRICK:

3,650 pcs. - 18 x 9 x 4-1/2 - Bottom Blocks	$ 2.45 ea.
5,056 pcs. - 13-1/2 x (6 - 5-11/16) x 3 - X1	.653 ea.
4,695 pcs. - 13-1/2 x (6 - 5-1/8) x 3 - X2	.653 ea.
7,526 pcs. - 9 x (5-29/32 - 5-11/16) x 3 - X1	.435 ea.
7,312 pcs. - 9 x (5-23/32 - 5-1/8) x 3 - X2	.435 ea.

See let. 4-16-63 for cancellation

See let. 12-11-63 for addtns.

FOLLOWING ALA. B.F. QUALITY FIRE CLAY BRICK:

6,450 pcs. - 18 x 9 x 4-1/2 - Bottom Blocks	1.70 ea.
44,994 pcs. - 13-1/2 x (6 - 5-11/16) x 3 - X1	.453 ea.
20,776 pcs. - 13-1/2 x (6 - 5-1/8) x 3 - X2	.453 ea.
31,792 pcs. - 9 x (5-29/32 - 5-11/16) x 3 - X1	.302 ea.

See L-2-24-64 for addtns.

See L-3-12-64 for addtns.

SWV/ar

-continued-

CES-6113

C ES 6113

FOLLOWING ALA. B. F. QUALITY FIRE CLAY BRICK: (CONTINUED)

9,672 pcs.	9 x (5-23/32 - 5-1/8) x 3 - X2	$ .302 ea.
70 pcs.	13-1/2 x 4-1/2 x (2-1/2 - 1-3/4) - #2 Arch	.33 ea.
55 pcs.	13-1/2 x 4-1/2 x (2-1/2 - 1) - #3 Arch	.33 ea.
515 pcs.	9 x 4-1/2 x (2-1/2 - 1-3/4) - #2 Arch	129.50 M
190 pcs.	9 x 4-1/2 x (2-1/2 - 1) - #3 Arch	129.50 M
140 pcs.	9 x 4-1/2 x (2-1/2 - 1-7/8) - #1 Wedge	129.50 M
180 pcs.	9 x 4-1/2 x (2-1/2 - 1-1/2) - #2 Wedge	129.50 M
1,070 pcs.	9 x 4-1/2 x 1-1/4 - Split	129.50 M
500 pcs.	18 x 4-1/2 x 2-1/2 - Soap	.55 ea.
500 pcs.	18 x 4-1/2 x 3 - Soap	.585 ea.
500 pcs.	18 x 4-1/2 x 3-1/2 - Soap	.683 ea.
500 pcs.	18 x 4-1/2 x 4 - Soap	.78 ea.
500 pcs.	18 x 4-1/2 x 4-1/2 - Soap	.991 ea.
500 pcs.	18 x 4-1/2 x 6 - Soap	1.17 ea.
40 pcs.	18 x 6 x 3 Straight	.78 ea.

SPECIAL SHAPE BOTTOM BLOCKS - ALA. B. F.
DRAWING E-87863

35	MK.-1	.991 ea.
70	MK.-2	1.70 ea.
70	MK.-3	1.95 ea.
70	MK.-4	2.66 ea.
70	MK.-5	1.95 ea.
70	MK.-6	2.66 ea.

70 - MK.-7	$ 1.95 ea.
70 - MK.-8	2.66 ea.
70 - MK.-9	1.95 ea.
70 - MK.-10	2.66 ea.
70 - MK.-11	1.95 ea.
70 - MK.-12	2.66 ea.
70 - MK.-13	1.95 ea.
85 - MK.-14	2.66 ea.
55 - MK.-15	1.95 ea.
85 - MK.-16	2.66 ea.
70 - MK.-17	1.95 ea.
110 - MK.-18	2.66 ea.
70 - MK.-19	2.66 ea.
70 - MK.-20	2.66 ea.

Above shall be palletized in separate groups and marked according to size and course number.
Note: Tolerance for 18" length & 4-1/2 thickness for special shape bottom blocks and 190 of each size soap for courses No. 5, 6 & 7 on drawing E-87830 shall conform to tolerances of Cone 23. bottom blocks.

All brick shall be power pressed and manufactured in accordance with Specification USS-2-553. All bottom blocks shall be furnished from the same lot to insure that variation in length and thickness will be in the same permissable tolerance.

All brick shall be palletized and each pallet shall be wrapped with polyethylene waterproof cover.

Ala. B. F. - Type B Protection - $1.10 each pallet
Vernon B. F. - Type C Protection - $1.50 each pallet
Polyethylene Waterproof Cover - $1.00 each pallet

Pallets with 4" runners are preferred.
Two (2) prints each of dwgs. E-87863 and E-87830 furnished herewith.
Delv. Read. - 1/7/63

O.E.Degnan

ENGINEER'S COPY cy:

J.W.Ogletree
John D. Brooks USS-7768 2E4&5 Prop.
W.M.Stewart
R.P.Goldsmith
O.E.Degnan
J.S. Lother

C JS 6000

7/2/62

Philip-Carey Mfg. Co.
400-402 South 12th St.
Birmingham, Ala.

Fairfield Steel
Fairfield, Ala.

R.C.Brunson, Sk.
No. 1 Storehouse

Deld. 1% 15th & 31st

81 ft. 85% Magnesia Pipe Covering - 2½" thick for 6" Pipe Code 19110-DA $2.18 ft.

CONFIRMATION: Phoned Mr. Tyson 6/29/62

SHIPMENT: 7/2/62

HWC/jg

C JS 6000

ENGINEER'S COPY

J. W. Ogletree
AGR:L

USS 435 1B Cost

J. W. Ogletree
John D. Brooks
W. M. Stewart

G. W. McLean
O. E. Dagnan
J. S. Lother

C KS 5827

6/21/62

Philip Carey Manufacturing Co.
400-402 South 12th Street
Birmingham, Ala.

Fairfield Sheet Mill
Fairfield, Ala.

J. T. Henderson

Deld. 1% 15th and 30th

12 J-M Combination Superex-M & Thermobestos Insulation formed half section - 3" thick & 3'-0" long for 12" pipe (12 lin. ft.) Code: 19120-DA $4.25 per ft.

Per your quotation dated 6/11/62

Delv. Reqd. 6/30/62 RUSH

HWC/pt

C KS 5827

ENGINEER'S COPY

J. W. Ogletree AGR:L

USS-435 1B Cost

Fairfield Sheet Mill - Replace Main Pots Nos. 2 and 3 Galv. Lines - Galvanizing Pot No. 2 Galv. Line

~~J. W. Ogletree~~ G. W. McLean SWV
John D. Brooks O. E. Dagnan
W. M. Stewart J. S. Lother CKS-5822

C KS- 5822

6/8/62

The Babcock & Wilcox Company
1315 Candler Building
Atlanta 3, Georgia

Fairfield Sheet Mill
Fairfield, Ala.

J. T. Henderson

1st & 6th items - Augusta, Ga.
Other items - Augusta, Ga. F F/A Net 30

Item			
1	14,000 pounds	- 2200°F. Insulating Concrete Mix - B&W Kaolite #22 - 350 - 40# bags	$135.00 net ton
2	140 each	- 2600°F. 19" x 4-1/2" x 2-1/2" Insulating Brick - B&W K-26	1.67 each
3	280 each	- 2600°F. 11-1/2" x 4-1/2" x 2-1/2" Insulating Brick - B&W K-26	1.01 each
4	140 each	- 2600°F. 14" x 4-1/2" x 2-1/2" Insulating Brick - B&W K-26	1.23 each
5	3,700 each	- 2600°F. 9" x 4-1/2" x 2-1/2" Insulating Brick - B&W K-26	327.00 M
6	1,500 pounds	- 2900°F. Smooth-Set Brick Mortar	135.00 net ton

TO BE PALLETIZED: DELIVERY REQUIRED: 6/22/62
CONFIRMATION: Verbally to Mr. Powell 6/6/62
SWV:eb

CKS-5822
CKS- 5822

ENGINEER'S COPY

J.W.Ogletree
AGR:L

USS-435 1B Cost

J. W. Ogletree
J. D. Brooks
W. M. Stewart SWV

G. W. McLean
O. E. Degnan
J. S. Lother
CKS-5821

C KS 5821

6/5/62

Shook & Fletcher Insulation Co.
2431 - 1st Ave., S.
Birmingham, Ala.

Fairfield Sheet
Fairfield, Ala.

J. T. Henderson

Delvd.

1% 10th prox.

114 - 1900 deg. F. - unfired - 12" x 36" x 2-1/2" Superex Insulating Block (~~392~~ 342 sq. ft.) $ .877 sq. ft.

Confirmation: Mr. Gardner 6/5/62

Del. Reqd. - 6/15/62

SWV/ar

CKS-5821

C KS 5821

J. W Ogletree
WWH/MLP:L

ENGINEER'S COPY

USS-8333 A8, A9 and A10 Property

~~J. W. Ogletree~~
John D. Brooks
W. M. Stewart
D. H. McFarland
R. P. Goldsmith
O. E. Dagnan
J. S. Lother
SWV

CJS-5809

CJS- 5809

6/1/62

Harbison Walker Refractories Company
2130 Highland Avenue, Room 207
Birmingham 5, Alabama

see L. 2-14-63 PC Book for add.

see let. 7-31-62 P.C Book for change

Fairfield Steel
Fairfield, Ala.

R. C. Brunson, #1 Storehouse

Your Bessemer, Ala. Plant

Net 20th Prox

The following Ala. B.F. Special Shape Bottom Blocks as follows:

Drawing J-87849

38 - MK. 1

74 - MK. 3

74 - MK-5

74 - MK-7

74 - MK-9

74 - MK-11

74 - MK-13

74 - MK-15

74 - MK-17

see L. 12-15-62 P.C Book for add.

See L- 12/10/62 for add.

SWV:eb (See page 2)

CJS-5809
CJS- 5809

Harbison Walker

2 3 6/1/62 CJS-5809

74 - MK. 2

148 - MK. 4

74 - MK. 6

74 - MK. 8

74 - MK. 10

74 - MK. 12

74 - MK. 14

42 - MK. 16

74 - MK. 18

98 - MK. 19

74 - MK. 20

74 - MK. 21

74 - MK. 22

74 - MK. 23

500 - Each size Scap as follows:

18" x 4-1/2" x 2-1/2"

18" x 4-1/2" x 3"

18" x 4-1/2" x 3-1/2"

18" x 4-1/2" x 4"

18" x 4-1/2" x 4-1/2"

18" x 4-1/2" x 6"

Advise Prices

SWV:eo (See Page 3) CJS-5809

ENGINEER'S COPY

Harbison Walker

3 3 6/1/62 CJB-5809

Tolerances for 18" lengths and 4-1/2" thickness for special shape bottom blocks and 170 of each size soaps for courses No. 6, 7 & 8 on drawing J-84504, Rev. 1 shall conform to tolerances of Cone 23 bottom blocks.

Preceding shall be palletized in separate groups and marked according to size and course number. All brick shall be power pressed and manufactured in accordance with specification USS-2-553.

All brick shall be palletized Type B Protection - $1.10 each pallet and each pallet shall be wrapped with polyethylene water proof cover at an additional cost of $1.00 per pallet. Pallets with 4" runners are required.

Three (3) prints each of drawing J-87849 and J-84504, Rev. 1 are furnished herewith.

CONFIRMATION: Phoned to Mr. Gardner 5/29/62

DELV. REQD: 6/26/62

SWV:eb

CJB-5809

J. W. Ogletree
CCH/HFA:L

ENGINEER'S COPY

USS-8035 3LL2 Prop.

J. W. Ogletree — G. W. McLean
John D. Brooks — O. E.Dagnan
W. M. Stewart — J. S. Lother

CDS-5500

C DS 5500

5/4/62

Armstrong Contracting and Supply Corp.
P. O. Box 2007
Birmingham 1, Ala.

Fairfield Steel
Fairfield, Ala.
R. C. Brunson
#2 Storehouse

Delvd.

1% 10th Prox

850 - 4" thick Mineral Wool Batts - 15" x 48" - spun wool pressed into a simi-rigid batt - enclosed in a heavy asphalt coated, water proof paper sleeve — $ 53.60 M Sq. Ft.

Confirmation: Phoned Mr. Roycroft 4/26/62

Delv. From. 5 days

Your Quotation 4/30/62

HWC:gw

C DS 5500

ENGINEER'S COPY

USS-8035 3LL2 Prop.

J. W. Ogletree
CCH/HFA:L

J. W. Ogletree
John D. Brooks
W. M. Stewart

G. W. McLean
O. E. Dagnan
J. S. Lother

C DB 5499

5/4/62

Armstrong Contracting & Supply Corp.
P. O. Box 2007
Birmingham, Ala.

Fairfield Steel
Fairfield, Ala.
#2 Storehouse
R. C. Brunson

Deld. 1% 10th prox.

400 - Sheets 24" x 48" x 3/4" Thick Fiberglass Insulation - PF617 (9# density) as mfd. for Owens Corning Fiberglass Corp. $ 144.00 M S/F

Insulation must be fire proof without paper or asphalt covering

CONFIRMATION: Telephoned 5/4/62 Mr. Cockrell

YOUR QUOTATION: 4/30/62

DELV. REQD:5/15/62 or earlier

MFP
bb

C DB 5499

ENGINEER'S COPY

r. W. Ogletree
WH/CHP:L

B2b
USS 8333 Property

J. W. Ogletree
John D. Brooks
W. M. Stewart

R. P. Goldsmith
O. E. Dagnan
J. S. Lother

C JS 5444

4/19/62

Philip-Carey Manufacturing Co.
400-402 So. 12th St.
Birmingham, Ala.

Fairfield Steel
Fairfield, Ala.

R. C. Brunson

Deld.

1% 15th and 30th

Careytemp Molded Type Pipe Insulation

160	Lin. Ft. 3" thick for 4" pipe	$2.10 ft.
15	Lin. Ft. 3" thick for 2" pipe	$1.56 ft.
65	Lin. Ft. 2" thick for 1" pipe	$ .80 ft.
100	Lin Ft. 7/8" thick for 3/8" tubing	$ .21 ft

Delv. Reqd. 2 weeks

Your quotation 4/10/62

HNC/pt

C JS 5444

ENGINEER'S COPY

J. W. Ogletree
WWH/CHP:L

See below*

USS-8333

xxxxxxxx J. W. Ogletree R.P.Goldsmith
John D. Brooks O.E.Dagnan
W. M. Stewart J.S.Lother

*Item 1 - Charge 8-Acct.B4Prop. 8 -Acct.E5-Prop.
2 - " 8- ditto 8 - ditto
3 - Charge Acct. B4 - Prop.

C JS 5432

4/10/62

Garlock, Inc.
519 - S. 19th St.
Birmingham, Ala.

Fairfield Steel
Fairfield, Ala.
R. C. Brunson
#1 Storehouse

Palmyra, New York

Net 20th prox.

16 sets - C.I. 3-15/16" Double Tangential Packing Rings, 4203/6702, Garlock No. 861 (16 sections) O.D. rod 3-15/16", O.D. Groove 6-1/8" & width of groove .750" plus .002" minus .000" $ 8.91 per section
SET UP CHARGE 6.00 all

16 Sets - C.I. 3-15/16" Old Style Breaker Rings, (16 sections) 4311/6702, O.D. rod 3-15/16", OD Groove 6-1/8" & width of groove .750" plus .002", minus .000" 21.18 each
SET UP CHARGE 32.82 all

2 Sets - Garlock 4140 packing with copper gasket imbedded under case, 3 sections of double tangential cast iron 4203/6702 packing rings, rod dia. 2-1/2", stuffing box dia. 3.531", dia. bolt circle 6-3/8", 2 - 3/4" bolts, gland elliptical, 8-3/4" major diam., clearance to face of stuffing box 5-1/2". For compressed air service at 30 psig and 400°F 75.23 per Set

Items 1 & 2 -- shall be in accordance with Garlock drawing M17-3955.

SHIP & INVOICE 5/62

HVR/bb

C JS 5432

ENGINEER'S COPY

J. W. Ogletree
HLW/RR:L

31 5 1010
Cost

J. W. Ogletree
John D. Brooks
W. M. Stewart

R. P. Goldsmith
O. E. Dagnan
J. S. Lother

C JS 5413

4/11/62

Philip-Carey Manufacturing Co.
400-402 So. 12th St.
Birmingham, Ala.

Fairfield Steel
Fairfield, Ala.

R. C. Brunson

Deld.

1% 15th & 30th

85% Magnesia Moulded Type Pipe Insulation

25	Lin. Ft. 1" thick for 1/2" pipe	$.23 ea. ft.
50	Lin. Ft. 1" thick for 3/4" pipe	$.25 ea. ft.

Delv. Reqd. 4/16/62

Your Quotation of 4/2/62

HWC/pt

C JS 5413

J. W. Ogletree
WWH/CHP:L

ENGINEER'S COPY

D7
USS-8333 Property

J. W. Ogletree
John D. Brooks
W. M. Stewart

R. P. ~~Smith~~ Goldsmith
O. E. Dagnan
J. S. ~~Luther~~ Lother

C JS 5409

4/11/62

Badham Insulation Co.
1909 First Ave., S.
Birmingham, Ala.

Fairfield Steel
Fairfield, Ala.

R. C. Brunson, #1 Storehouse

Deld

1% 10th Prox

12 - Pcs. Calcium Silicate 16" Pipe Insulation - 3"thick x 3'-0" long - Owens-Corning Kaylo-Klad or equal — $6.12 ft.

Your quotation 4/2/62

DELV. REQD. 14-10 days

HWC:nj

C JS 5409

ENGINEER'S COPY

J. W. Ogletree
HLW/JIN:L

USS-8250 6Y Prop.

J. W. Ogletree
John D. Brooks
W. M. Stewart
G. W. McLean
O. E. Dagnan
J. S. Lother

CDS-5403

C CDS 5403

4/13/62

Garlock, Inc.
519 S. 19th St.
Birmingham 3, Ala.

Fairfield Steel
Fairfield, Ala.
R. C. Brunson

Palmyra, N.Y.

Net 20th Prox

GARLOCK STYLE #19 GASKETS, 1/8" THICK

8 - Gaskets - 6-5/8" x 11"	$ 96.60 per C
1 - Gasket - 5-9/16" x 10"	86.00 " "
1 - Gasket, 4½" x 9"	73.40 " "
3 - Gaskets, 8-5/8" x 13½"	135.00 " "

Delv. Req. 7/1/62

Your Quotation 4/2/62

HVR:gw

C DS 5403

ENGINEER'S COPY

O.E.Dagnan

USS-~~XX~~ 8182 7A Prop.

J. W. Ogletree
John D. Brooks
W. M. Stewart
R. P. Goldsmith

O.E.Dagnan
J.S.Lother

C JS 5398

6/7/62

S hook & Fletcher Insulation Co.
2431 First Avenue, So.
Birmingham 2, Ala.

Fairfield Steel
Fairfield, Ala.

R. C. Brunson, Sk.
#1 Storehouse

Deld.

1% 20th prox.

90 ft. Kaylo Moulded Sectional Insulation 3" thick for 12" pipe $4.79 ft.

Code 19110-JX.

CONFIRMATION: Phoned 6/4/62

HWC/jg

C JS 5398

ENGINEER'S COPY

E. Vance

USS-8250 2 G-J Cost

Fairfield Tin Mill - Engineering - Const.- One Six Stand Cold Red. Mill - Relocating 18" Ind. Water Line

J. W. Ogletree
John D. Brooks
W. M. Stewart

G. W. McLean
O. E. Dagnan
J. S. Lother

C DS 5385

6/22/62

Badham Insulation Company
1909 - 1st Avenue S.
Birmingham, Ala.

Fairfield Steel
Fairfield, Ala.

R. C. Brunson, S.K.
No. 2 Storehouse

S/P

1% 10 days

80 lin. ft. - Anti-Sweat Pipe Insulation 1" thick for 18" Pipe Code 19110-ZZ $ 2.18 ft.

12 lin. ft. - ditto for 6" Pipe Code 19110-ZZ .672 ft.

PER YOUR QUOTATION: 6/1/62

DELV. REQD: 6/30/62

HMC
bb

C DS 5385

ENGINEER'S COPY

O.E.Dagnan

USS-8186 3K Prop

J. W. Ogletree
J. D. Brooks
W. M. Stewart

G. W. McLean
O. E. Dagnan
J. S. Lather

C DS 5379

5/25/62

Shook & Fletcher Insulation Co.
2431 - 1st Ave., S.
Birmingham 2, Ala.

Fairfield Steel
Fairfield, Ala.
No. 2 Storehouse
R. C. Brunson

Delvd.

2% 15th & 30th

81 lin. ft. - 85% Magnesia Pipe Covering - 1" thick for 4" pipe - Code 19110-JX - $ .60 ft.

Del. Req. - 5/62

HMC/ar

C DS 5379

ENGINEER'S COPY

O. E. Dagnan

USS-8182 7A Prop.

~~J. W. Ogletree~~ R. P. Goldsmith
John D. Brooks O. E. Dagnan
W. H. Stewart J. S. Lother

CJS-5325

C JS 5325

4/18/62

Shook & Fletcher Insulation Co.
2431 1st Avenue South
Birmingham 2, Ala.

Fairfield Steel
Fairfield, Ala.
R. C. Brunson

Delvd. 1% 20th Prox

168 Lin. Ft. - 85% Magnesia Std. Pipe Covering for 3/8" Pipe $ .225 Ft.

56 Lin. Ft. - ditto 2½" " .416 Ft.

Confirmation: Phoned 4/12/62

HWC:gw

C JS 5325

ENGINEER'S COPY

O.E.Dagnan

USS-8182 7A Prop.

FF Steel Works - Engr-Constn. B. F. Dept: J.W.Ogletree R.P.Geldsmith
Gas Cleaning Facilities - Steam Piping J.D.Brooks O.E.Dagnan
W.M.Stewart J.S.Lother

C JS 5303

March 29, 1962

Shook & Fletcher Insulation Company
2431 - 1st Avenue South
P. O. Box 2631
Birmingham 2, Alabama

Attn: Mr. Gardner

Fairfield Steel
Fairfield, Alabama

R.C.Brunson, Sk - No. 1 Storehouse

Picked up at Gas Cleaning Facility	Deld.	1% 10th Prox
99 - Ft. Thermobestos Pipe Insulation 3" thick for 6" Pipe		$ 2.97 lin. ft.
36 - Ft. Thermobestos Pipe Insulation 3" thick for 4" Pipe		2.42 " "

DELIVERY REQUIRED: Already received - DO NOT DUPLICATE.

NOTE: This work was deleted from Blaw Knox Company Contract order CJ-2887 and installed by TCI forces. This pipe insulation was borrowed from Shook & Fletcher, who were subcontractors for Blaw Knox. This order is to reimburse vendor for pipe insulation which we used, per Mr. R. A. Johnson, Construction Engineer.

HL/gf

C JS 5303

ENGINEER'S COPY

J.W.Ogletree
HMcC/ER:L

R-6127 R&D Exp.

ENSLEY STEEL WORKS - Oxygen Practice - Tilting Open Hearth - Piping, Burners & Instruments #6 O.H. Furnace

J. W. Ogletree
J. D. Brooks
W. M. Stewart

J. B. Mays
O. E. Dagnan
J. S. Lother

C ES 5221

3/20/62

Philip Carey Manufacturing Co.
400-402 South 12th St.
Birmingham, Ala.

Ensley Steel
Ensley, Ala.

R. M. Barber

Delvd. 1% 15th & 30th

85% Magnesia Molded Type Pipe Insulation

550 ft. - 2" thick for 2" pipe $ 1.00 ft.

100 ft. - 1" thick for 1/2" pipe .22 ft.

Del. Req. - 3/20/62

HMC/ar

C ES 5221

ENGINEER'S COPY

USS-8250 3G Prop.

J.W.Ogletree
CCH/HFA:L

J. W. Ogletree
John D. Brooks
W. M. Stewart
G. W.McLean
O. E. Dagnan
J. S.Lother

CDS-5028

3/30/62

Reynolds Aluminum Supply Co.
2830 - 5th Ave. N.
Birmingham, Ala.

Fairfield Steel
Fairfield, Ala.
#2 Storehouse

R. C. Brunson

Deld.

2% 10th prox.

5465 - Sq. Ft. 1" Insulation Board - 2'-0" x 4'-0"
Johns-Manville Roof Insulation or approved equal. $ 87.50 m sq. ft.
Asphalt integrally impregnated and coated

YOUR QUOTATION: 3-19-62

CONFIRMATION: Verbal to Mr. Sumner 3-30-62

DELV. REQD: Early 4/62

MFP
bb

ENGINEER'S COPY

J.W.Ogletree
HMcC/GWE:L

E-6484 4

Ensley Steel - Oxygen Supply for Nos. 5,7 & 8 Open Hearth Furnaces

J. W. Ogletree
John D. Brooks
W. M. Stewart
J. B. Mays
O. E. Degnan
J. S. Lother

C ES 5015

3-13-62

Badham Insulation Company
1909 - First Avenue South
Birmingham, Alabama

Ensley Steel
Ensley, Alabama

R. M. Barber, S.K.

Deld. 1% 10 days

85% Magnesia Molded Type Insulation

275 - lin. ft. 2" Thick for 2" pipe	$ 1.20 lin. ft.
45 - lin. ft. 1" thick for 1/2" pipe	.264 lin. ft.

CONFIRMATION: Telephoned Mrs. Bobo 3-9-62

DELIVERY: 3-12-62

HWC
bb

C ES 5015

ENGINEER'S COPY

J. W. Ogletree
WLM:L

USS-8313 3 Prop.

J. W. Ogletree
John D. Brooks
W. M. Stewart

J. M. McCleskey
W. L. Meyer -2-
J. S. Lother

Fairfield Coke & Coal Chemical Dept.
Facilities for Burning Still Residue Piping

C HS 4989

CHS-4989

March 9, 1962

Shook & Fletcher Insulation Company
2431 - 1st Avenue South
Birmingham 2, Alabama

Fairfield Coke & Coal Chemical
Fairfield, Alabama

G. A. Smith, S.K.

Delivered 1% 20th prox.

50 - Ft. 3/4" Calsilite Pipe Insulation - 1" Thick $ .25 ft.

CONFIRMATION: Telephoned 3-7-62

DELIVERY REQUIRED: 3-9-62

HWC
bb

C HS 4989

ENGINEER'S COPY

HLW/CAM:L
J.W.Ogletree

USS-8250 2Q & R Cost

Fairfield Tin Mill - One Six Stand
Cold Red. Mill - ~~XXXXX~~ Relocate
Portion of 10" Steam Line Along Col. Row "Y"

J. W. Ogletree
John D. Brooks
W. M. Stewart

G. W. McLean
O. E. Dagnan
J. S. Lother

C DS 4961

March 9, 1962

Philip-Carey Manufacturing Company
400 - 402 South 12th St.
Birmingham, Alabama

Fairfield Steel
Fairfield, Alabama

#2 Storehouse
R. C. Brunson

Deld. 1% 15-30th

Careytemp, Moulded Type, Insulation

370 - Lin. Ft. 3" Thick for 10" Pipe $ 3.64 ft.

20 - Lin. Ft. 1" Thick for 1/2" Pipe .22 ft.

CONFIRMATION: Telephoned 3-8-62

DELIVERY REQUIRED: 3-8-62

HWC
bb

C DS 4961

ENGINEER'S COPY

J. W. Ogletree
WWR;CHP:L

USS-8139-C1 H16 Cost

J. W. Ogletree J. B. Mays
John D. Brooks O. E. Dagnan
W. M. Stewart J. S. Lother
CRS-4921

CRS 4921

3/20/62

The Philip Carey Mfg. Co.
402 South 12th Street
Birmingham, Alabama

Ensley Steel
Ensley, Ala.
R. M. Barber -

Delvd. 1% 10th & 25th

39 Lin. Ft. - 3" thick Insulation for 1½" pipe - moulded - sectional - Calsilite or approved equal. $ 1.55 Ft.

Delv. Req. 3/62

Per Your Quotation dated 3/6/62

HHC:gw

CRS 4921

ENGINEER'S COPY
J. W. Ogletree
WWH/CHP:L

USS-8139-C1 B13 Prop.

Ensley Steel Works
Reline No. 5 Blast Furnace - Blast & Gas
Piping - Humidity control equip.

J. W. Ogletree — J. B. Mays
John D. Brooks — O. E.Dagnan
W. M. Stewart — J. S. Lother

CES-4792

February 16, 1962

The Philip Carey Mfg. Co.
402 South 12th Street
Birmingham, Alabama

Ensley Steel
Ensley, Alabama
R. M. Barber - Sk.

Fairfield, Ala. — 1% 15th & 30th

85% Magnesia Molded Type Pipe Insulation

60 - 2½" thick for 4" pipe	$ 1.76 L. Ft.
15 - 2" thick for 2½" Pipe	1.02 "
24 - 2" thick for 1" pipe	.83 "
20 - 7/8" thick for 3/8" tubing	.21 "

Delivery Promised: 3 Weeks

Per Your Quotation of February 14, 1962 No. 12452

HWC:gw

ENGINEER'S COPY

USS-8035 3111 Property

J.W.Ogletree
HLW/CAM:L
Fairfield Tin Mill - No. 4 Cont. Pickling Line - Office and Shop for Power & Fuel Engineers -Piping

J. W. Ogletree
John D. Brooks
W. M. Stewart

G. W. McLean
O. E. Dagnan
J. S. Lother

C DS 4751

February 13, 1962

Philip-Carey Manufacturing Company
400 - 402 South 12th St.
Birmingham, Alabama

Fairfield Steel
Fairfield, Alabama
#2 Storehouse
R. C. Brunson

Fairfield, Alabama — 1% 15th & 30th

85% Mag. Moulded Type Insulation

210 - Lin. Ft. 1-1/2" thick for 1-1/2" Pipe	$	.57 ea.
95 - Lin. Ft. 1-1/2" Thick for 3/4" pipe		.46 ea.
100 - Lin. Ft. 1-1/2" thick for 1/2" pipe		.43 "
10 - Lin. ft. 1-1/2" thick for 1-1/4" Pipe		.53 "

DELIVERY PROMISED: 3 weeks
PER YOUR QUOTATION: February 9, 1962

DELIVERY REQUIRED: February 22, 1962

HWC/bb

C DS 4751

ENGINEER'S COPY

J.W.Ogletree

USS-8035 3LL2 Prop.

No. 4 Continuous Pickling Line - Electronic Maintenance Office & Laboratory - Piping

J.W.Ogletree
J.D.Brooks
W.M.Stewart
G.W.McLean
O.E.Dagnan
J.S.Lother

C DS 4646

February 13, 1962

Philip Carey Manufacturing Company
400-402 South 12th Street
Birmingham, Alabama

Fairfield Steel
Fairfield, Alabama
#2 Storehouse
R.C.Brunson, Sk.

Fairfield, Alabama

1% 15th & 30th

85% Mag. Moulded Insulation:

60 - Lin. Ft. 1-1/2" thick for 3/4" pipe	$ .46 lin. ft.
60 - Lin. Ft. 1-1/2" thick for 1-1/2" pipe	.57 " "
10 - Lin. Ft. 1-1/2" thick for 1/2" pipe	.43 " "

DELIVERY PROMISED: 3 weeks

DELIVERY REQUIRED: February 15, 1962

Per your quotation of 2/9/62

HWC
gf

C DS 4646

ENGINEER'S COPY

J.W.Ogletree

USS-8139-C1 B4 Prop.

Reline No. 5 Blast Furnace - Hot Blast Valves

J.W.Ogletree
J.D.Brooks
W.M.Stewart

J.B.Mays
O.E.Dagnan
J.S.Lother

C ES 4622

February 6, 1962

Carlock, Inc.
519 South 19th Street
Birmingham, Alabama

Ensley Steel
Ensley, Alabama

R.M.Barber, Supv. of Stores

Palmyra, New York

Net 20th Prox

8 - Sets #861 Double Tangential Packing Rings, C.I., 16 sections, 3--7/8"	$ 8.77	per section
8 - Sets Breaker Rings, Old Style, 3-7/8", 16 Sections	21.18	per section
Set-up charge	32.82	all

SHIPMENT PROMISED: 8 weeks

Per your quotation dated February 5, 1962

HVR
gf

C ES 4622

ENGINEER'S COPY

J. W. Ogletree
WHH:L
Fairfield Steel Works
Reline No. 5 Blast Furnace

USS-3333 see below

J. W. Ogletree R. P. Goldsmith
John D. Brooks O. E. Dagnan
W. M. Stewart J. S. Lother CJS-4621
D. H. McFarland SWV

CJS- 4621

February 2, 1962

Harbison Walker Refractories Company
2130 Highland Avenue, Room 207
Birmingham 5, Alabama

Fairfield Steel
Fairfield, Alabama

R. C. Brunson, #1 Storehouse

Your Fairfield, Alabama Plant Net 20th Prox

66,000 pounds - Fireclay, Fine ground, in 100 pound bags $23.68 net ton

Ship on pallets with 4" runners - Type 0 Protection - no charge

Charge: 49,000 pounds - Acct. A17 - Property
11,000 pounds - Acct. E1 - Property
5,000 pounds - Acct. E7 - Property
1,000 pounds - Acct. H2 - Cost

DELIVERY REQUIRED: July 1, 1962

SWVaughan:eb

CJS-4621
CJS- 4621

ENGINEER'S COPY

J. W. Ogletree
WMH:L
Fairfield Steel Works
Beline No. 5 Blast Furnace

USS-8333 see below

J. W. Ogletree R. F. Goldsmith
John D. Brooks C. E. Dagnan CJS-4620
W. M. Stewart J. S. Lother
D. H. McFarland SW

CJS- 4620

February 2, 1962

Harbison Walker Refractories Company
2130 Highland Avenue, Room 207
Birmingham 5, Alabama

Fairfield Steel
Fairfield, Alabama

R. C. Brunson, #1 Storehouse

Your Fairfield, Alabama Plant	Net 20th Prox
11,000 pounds - A-3000 Air Set (HW Super Harbond) Mortar - in 100 pound bags	$151.70 net ton
31,000 pounds - B-2800 Air Set (HW Harvesco Bond) Mortar - in 100 pound bags	138.75 net ton

Ship on pallets with 4" runners - Type 0 Protection - no charge

DELIVERY REQUIRED: July 1, 1962

Charge: Item 1 Acct. E1 - Property
Item 2 - 10,000 pounds - Acct. B5 Property
3,000 pounds - Acct. B8 - Property
17,000 pounds - Acct. B13 Property
1,000 pounds - Acct. E1 Property

SWVaughan:eb

CJS-4620
CJS- 4620

ENGINEER'S COPY

J. W. Ogletree
WWH:L

Fairfield Steel Works
Reline No. 5 Blast Furnace

USS-8333 See below

J. W. Ogletree R. F. Goldsmith
John D. Brooks O. E. Dagnan
W. M. Stevart J. S. Lother
D. H. McFarland SWV

CJS-4619

February 20, 1962

Shook & Fletcher Insulation Company
2431 1st Avenue South
Birmingham 2, Alabama

Fairfield Steel
Fairfield, Alabama

R. C. Brunson, #1 Storehouse

	Delivered		1% 10th Prox
26 pieces - 36" x 6" x 1-1/4" Superex Blocks	39 sq. ft.		$.3975 per sq. ft.
16 pieces - 36" x 12" x 1-1/4" Superex Blocks	48 sq. ft.		.3975 per sq. ft.
2,075 pieces - 36" x 6" x 3" Curved, 2'9" inside radius	3,340.75	sq.ft.	.954 "
115 pieces - 36" x 6" x 2" Curved 2'10" inside radius	183.3	sq.ft.	.636 "
600 pieces - 36" x 6" x 2-1/4" Flat	900	sq. ft.	.7075 "
160 pieces - 36" x 6" x 2-1/4" Curved 2'3" inside radius	257.6	sq.ft.	.7075 "
180 pieces - 36" x 6" x 2-1/4" Curved 2'5-1/4" inside radius			.7075 "
289.8 sq. ft.			

DELIVERY PROMISED: To arrive July 1, 1962

Per your quotation February 15, 1962

DELIVERY REQUIRED: July 1, 1962

CHARGES: Item 1 & 2 - Acct B5 Propert
Item 3 & 4 - Acct. B13 Property
Item 5,6,7 - Acct. E1 Property

SWVaughan:eb

Add per h-2-B-62
16 Pcs. 36" x 12" x 1¼" Flat
John Mans. Superex
Blk Insulation

CJS-4619

ENGINEER'S COPY

J. W. Ogletree
WWH:L

Fairfield Steel Works
Reline No. 5 Blast Furnace - Checkers

~~J. W. Ogletree~~ R. P. Goldsmith
John D. Brooks O. E. Dagnan
W. M. Stewart J. S. Lother
D. H. McFarland SWV

USS-8333 Rl Property

CJS-4618

CJS- 4618

3/22/62

Dixie Division
A. P. Green Fire Brick Company
2301 Comer Building
Birmingham 3, Ala.

Fairfield Steel
Fairfield, Ala.

R. C. Brunson, #1 Storehouse

Mexico, Mo. with full F/A

Net 30

High Fired Super Duty (KX-99BF) Checker Type Fire Brick:

44,150 pieces	9 x 6 x 2-1/2 Straights	$0.413 each
4,200 pieces	6 x 3-1/4 x 2-1/2 Straights	.351 "
1,750 pieces	15 x 7-1/2 x 3 Straights	1.30 "
260 pieces	9 x 7-1/2 x 3 Straights	.712 "

All brick shall be manufactured in accordance with specifications for machine made fireclay brick for blast furnace stoves USS-10-3254, except that they are to meet the following requirements:

a. Bulk density - not less than 2.25 g/cc
b. Compressive strength - not less than 4000 psi
c. Porosity - not more than 14%
d. Shall not deform more than 2% under the 2640°F load test as per ASTM test C16-49, Schedule 3.

All brick shall be palletized and each pallet shall be wrapped with polyethylene water proof cover.

SWV:eb (See page 2)

CJS-4618
CJS- 4618

ENGINEER'S COPY

Dixie Division
A. P. Green

2 2 3/22/62 CJB-4618

Ship on pallets with 4" runners. Use carloading pattern, arrangement 5, single tier with skid retarders, with Type "C" Protection, as per drawing No. P-212 in Palletizing Manual, except regulate number of pallets per car to afford minimum carload shipments.

Delv. - Ship so as to arrive at our Works July 1, 1962 - not before

Note: We will want to inspect these brick before shipment, so please advise us when they are ready for inspection.

SWV:eb

CJB-4618

ENGINEER'S COPY

J. W. Ogletree
WWH:L
Fairfield Steel Works
Reline No. 5 Blast Furnace

USS-8333 see last page

~~J. W. Ogletree~~ R. P. Goldsmith
John D. Brooks O. E. Dagnan
W. M. Stewart J. S. Lother CJS-4617
D. H. McFarland SWV

CJS- 4617

February 19, 1962

Harbison Walker Refractories Company
2130 Highland Avenue, Room 207
Birmingham 5, Alabama

Fairfield Steel
Fairfield, Alabama

R. C. Brunson, #1 Storehouse

Your Bessemer, Alabama Plant Net 20th Prox

The following Ala. Blast Furnace Quality Clay Fire Brick for use outside of Blast Furnace:

Pieces		
42,570	- 9 x 4-1/2 x (2-1/2 - 2-1/8) #1 Arch	$129.50 M
9,870	- 9 x 4-1/2 x (2-1/2 - 1-3/4) #2 Arch	129.50 M
2,320	- 9 x 4-1/2 x (2-1/2 - 1) #3 Arch	129.50 M
80	- 13-1/2 x 4-1/2 x (2-1/2 - 2-1/8) #1 Arch	.291 each
40	- 13-1/2 x 4-1/2 x (2-1/2 - 1-3/4) #2 Arch	.291 each
3,590	- 9 x 4-1/2 x 2-1/2 Straights	129.50 M
	Drawing J-67328, Rev. 1 attached.	
70	- MK. FW-25-8	1.22 each
70	- MK. FW-25-9	.77 each
70	- MK. FW-25-10	.636 "

SWV:eb (See page 2)

CJS-4617
CJS- 4617

Harbison Walker Refractories

Drawing J-673-28, Rev. 1 (continued)

Pieces		
200 -	MK. FW-23-11	$.436 each
200 -	MK. FW-23-12	.675 "
70 -	MK- FW-23-13	.483 "

Two (2) prints of the above drawing furnished herewith.

All of the above brick shall be power pressed and manufactured in accordance with specification USS-2-553.

The following HW Stove Quality Clay Fire Brick:

4,750 - 9 x 4-1/2 x 2-1/2 Straights	$123.00 M
1,660 - 9 x 4-1/2 x (2-1/2 - 2-1/8) #1 Arch	123.00 M
200 - 9 x 4-1/2 x (2-1/2 - 1-3/4) #2 Arch	123.00 M
500 - 13-1/2 x 6 x 3 Straights	.426 each
240 - 13-1/2 x (6 - 5) x 3 #1 Key	.426 each

All of the above five (5) items shall be manufactured in accordance with specification for machine made fire brick for Blast Furnace Stoves, USS-10-1254.

The following Third Quality ("Wylam") Clay Fire Brick:

90,000 - 9 x 4-1/2 x 3 Straights	$138.00 M
2,500 - 9 x (6 - 5-3/8) x 3 No. 1 Key	.221 each
770 - 9 x (6 - 4-13/16) x 3 No. 2 Key	.221 each
2,150 - 9 x 6 x 3 Straights	.221 each
4,230 - 9 x 4-1/2 x (2-1/2 - 2-1/8) #1 Arch	115.00 M
310 - 9 x 4-1/2 x (2-1/2 - 1-3/4) #2 Arch	115.00 M
20 - 9 x 4-1/2 x (2-1/2 - 1) No. 3 Arch	115.00 M
120 - 9 x 4-1/2 x (2-1/2 - 1-7/8) No. 1 Wedge	115.00 M

SWVaughan:eb (See page 3)

Harbison-Walker Refractories

3 3 Feb. 19, 1962 CJB-4617

20 - 9 x 4-1/2 x (2-1/2 - 1-1/2) #2 Wedge	$115.00 M
3,900 - 9 x 4-1/2 x 2-1/2 Straights	115.00 M
120 - 13-1/2 x 4-1/2 x (2-1/2 - 2-1/8) #1 Arch	.242 each

All brick shall be palletized using Type B Protection - $1.10 each pallet. Each pallet shall be wrapped with polyethylene water proof cover - at a cost of $1.00 each pallet.

DELIVERY: Required July 1, 1962

Charges: Acct B5 Property - Item 1 - 10,150 pieces
Item 2 - 7,470 "
Item 3 - 2,100 "
Items 4 & 5
Item 6 - 1,560 "
Items 7 - 12

Acct B13 Property - Item 1 - 32,000 pieces
Item 2 - 2,400 "
Item 3 - 220 "
Item 6 - 1,800 "

Acct E1 Property - Items 13 - 17
Acct. A17 Property Item 18
Acct. B8 Property - Items 19, 21, 24, 25, 26
Item 20 - 50 pieces
Item 22 - 30 pieces
Item 23 - 30 pieces

Acct. E7 Property
Item 1 - 420 pieces
Item 6 - 230 pieces
Item 20 -720 "
Item 22 - 4200 "
Item 23 - 280 "
Item 27 - 2400 "
Item 28

Acct H2 Cost
Item 27 - 1500 pieces

SWVaughan:eb

CJB-4617

ENGINEER'S COPY

J. W. Ogletree WHH;L

USS-8333 El Property

Fairfield Steel Works - Reline No. 5 Blast Furnace - Repairs to Stove Linings

J. W. Ogletree
John D. Brooks
W. M. Stewart
D. H. McFarland
R. P. Goldsmith
O. E. Dagnan
J. S. Lother
SWV

See let. 12-14-63 P.C. Book for add.

CJS-4616

3/12/62

General Refractories Company
1008 Frank Nelson Building
Birmingham 3, Alabama

See L. 12/17/62 for add.

Fairfield Steel
Fairfield, Alabama

R. C. Brunson, #1 Storehouse

S/P F/A

Net 20th Prox

The following "HI-SIL" brand Semi-Silica Fire Brick:

2,750 - 9 x 4-1/2 x 2-1/2 Straights	$177.03 M
1,175 - 9 x 4-1/2 x 2-1/2 - 2-1/8 #1 Arches	174.30 M
620 - 9 x 4-1/2 x 2-1/2 - 1-3/4 #2 Arches	171.18 M
22,250 - 9 x 6 - 4-13/16 x 3 #2 Keys	.363 each

Ship on pallets with 4" runners. Use carloading pattern, arrangement 5, single tier with skid retarders with Type "C" Protection and each pallet shall be wrapped with polyethylene water proof cover, as per Drawing No. P-212 in Palletizing Manual, except regulate number of pallets per car to afford minimum carload shipment.
Charge for Type "C" Protection - $1.50 each pallet
Charge for polyethylene covering - $1.25 each pallet

The above brick shall be manufactured in accordance with "Specification for machine made fire brick for Blast Furnace Stoves" USS-10-1254, except that the brick shall not deform more than 2.5% under the 2640°F. load test as per ASTM Test C-16-49 Schedule 3.

DELIVERY: Wanted here July 1, 1962 not before - We will want to inspect these brick before shipment so please advise when you will be ready for us to make inspection.
CONFIRMATION: Mr. Koenig, 3/12/62
SWVaughan:eb

CJS-4616

cy: ENGINEER'S COPY
J. W. Ogletree
John D. Brooks
W. M. Stewart
R. P. Goldsmith
O. E. Dagnan
J. S. Lother

O.E.Dagnan

USS-8182 7B

C JS 4597

3/23/62

Shook & Fletcher Insulation Co.
2431 - 1st Avenue, South
Birmingham 2, Alabama

Fairfield Steel
Fairfield, Ala.

R. C. Brumson, Sk. #1 Storeshouse

Del.	1st 10th prox.
201 ft. Anti-Sweat Pipe Insulation for 1½" Pipe - Std., or equal	$ .365 ft.
90 ft. 85% Magnesia Pipe Covering 3" thick for 4" pipe, or equal	2.31 ft.

CONFIRMATION: Phoned 3/22/62

JVW/jg

C JS 4597

ENGINEER'S COPY

J.W.Ogletree
WWH/CHP:L

USS-8184 H14 Property

FAIRFIELD STEEL WORKS - Reline No. 7 Blast Furnace - Cast House and Equipment - Iron Notch Drill Control Piping

J. W. Ogletree
J. D. Brooks
W. M. Stewart

R. P. Goldsmith
O. E. Dagnan
J. S. Lother

CJS-4437

February 2, 1962

The Philip Carey Mfg. Company
400-402 South 12th Street
Birmingham, Alabama

Fairfield Steel
Fairfield, Alabama
#1 Storehouse
R. C. Brunson, S.K.

Fairfield, Alabama	1½ 10th prox.
21 ft. - 3" thick insulation for 1-1/2" pipesectional Careytemp or approved equal	$ 1.55 lin. ft.

DELIVERY REQUIRED: February 5, 1962

DELIVERY PROMISED: 3 weeks

Per your quotation no. 12448 dated January 24, 1962.

HWC/ar

CJS-4437

ENGINEER'S COPY

J. W. Ogletree
WWM/CHP:L
Ensley Steel Works - Reline No. 5
Blast Furnace - Brick Lining - Various

USS-8139-C1 (See notes)

~~J. W. Ogletree~~
John D. Brooks
W. M. Stewart
D. H. McFarland

J. B. Mays
O. E. Dagnan
J. S. Lother

SWV
CES-4416

CES- 4416

January 25, 1962

Harbison Walker Refractories Company
2130 Highland Avenue, Room 207
Birmingham 5, Alabama

Ensley Steel
Ensley, Alabama

R. M. Barber, Storekeeper

Your Bessemer, Alabama Plant Net 20th Prox

The following Ala. B.F. Quality Fire Brick for use inside Blast Furnace:

60 pieces - 13-1/2 x (6 - 5) x 3 No. 1 Keys	$.48 each
14810 pieces - 9 x 4-1/2 x (2-1/2 - 2-1/8) No. 1 Arch	129.50 M
2065 pieces - 9 x 4-1/2 x (2-1/2 - 1-3/4) No. 2 Arch	129.50 M
115 pieces - 9 x 4-1/2 x 1-1/4 Splits	129.50 M
45 pieces - 9 x 4-1/2 x 2-1/2 Straights	129.50 M
680 pieces - 9 x 4-1/2 x 3 Straights	155.40 M
50 pieces - 13-1/2 x 9 x (3-1/2 - 2-1/4) No. 3 Arch	1.08 each
50 pieces - 9 x 4-1/2 x (3 - 1/8) Featheredge	155.40 M

The following shapes - Drawing C-17539, Rev. 4:

20 pieces - MK-TS1	3.31 each

SWVaughan:eb (See page 2)

CES-4416
CES- 4416

Harbison Walker

Drawing C-17539, Rev. 4 - (continued)

4 pieces - MK. 285	$1.50 each
4 pieces - MK-286	.589 each
6 pieces - MK. 2810	.674 each
144 pieces - MK. 2811	.624 each
14 pieces - MK. "52"	.747 each

Drawing E-10455-E, Rev. 1

12 pieces - MK. 283	2.18 each

Four (4) prints each of the above drawings furnished herewith.

The following H.W. Crown 1st Quality Clay Fire Brick:

2280 pieces - 9 x 4-1/2 x (2-1/2 - 2-1/8) No. 1 Arch	$123.00 M
10 pieces - 9 x 4-1/2 x (3 - 2-1/2) No. 2 Arch	147.60 M
15 pieces - 9 x 4-1/2 x (3 - 2) No. 3 Arch	147.60 M
25 pieces - 9 x (4-1/2 - 3-1/2) x 3 No. 2 Keys	147.60 M
10 pieces - 9 x (4-1/2 - 3) x 3 No. 3 Keys	147.60 M
1680 pieces - 9 x 4-1/2 x 2-1/2 Straights	123.00 M

The following XX Southern 2nd Quality Clay Fire Brick:

1875 pieces - 9 x (6 - 5-3/8) x 3 No. 1 Keys	.24 each
110 pieces - 9 x (6 - 4-13/16) x 3 No. 2 Keys	.24 each
1285 pieces - 9 x 6 x 3 Straights	.24 each

SWVaughan:eb (see page 3)