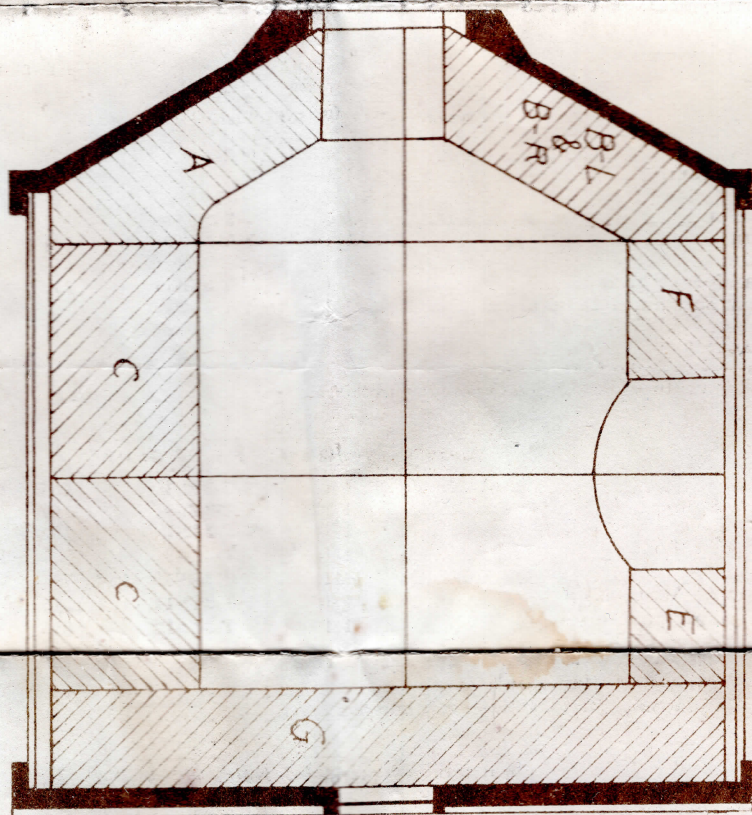


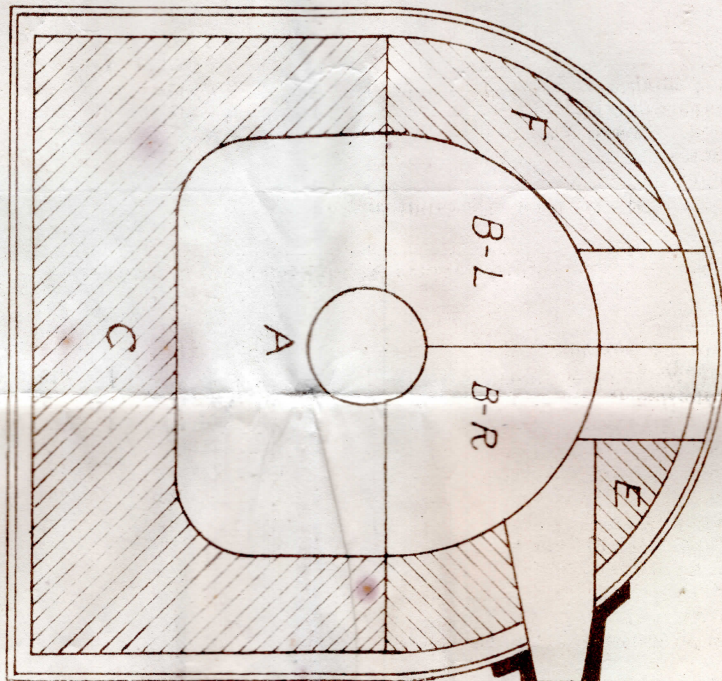
THE DENVER FIRE CLAY CO., DENVER, COLO.

ARRANGEMENT OF TILE FOR #3519 POTLESS TILTER FURNACE

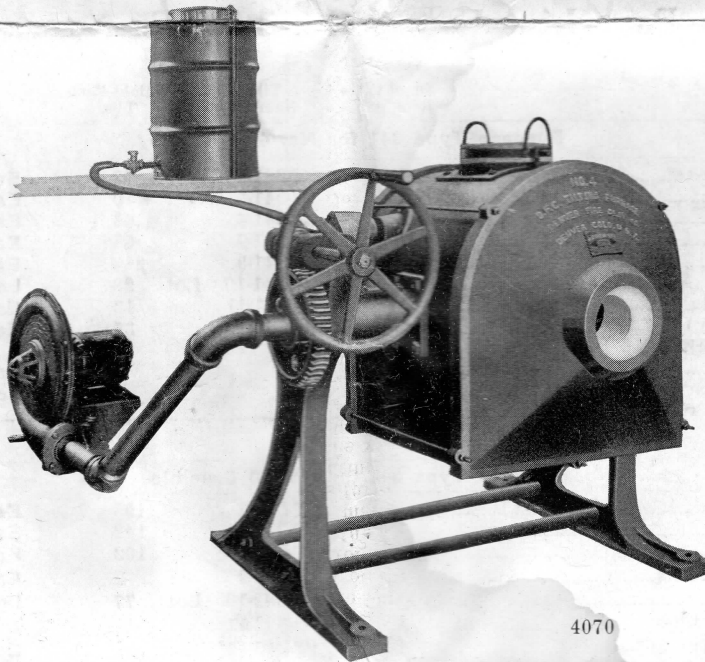
LONGITUDINAL SECTION



TRANSVERSE SECTION
LOOKING TOWARDS FRONT



THE DENVER FIRE CLAY COMPANY



4070

Furnaces, Melting, DFC, Potless, Tilting Type For Oil or Gas

- 4070 Furnace, Melting, DFC, Potless, Tilting, No. 4, Oil-Fired. The most convenient type of melting furnace for red brass, copper, cyanide precipitates, and other metals that are not affected by direct contact with the flames from the burner. The DFC Burner, with which this furnace is equipped, affords such perfect control of the oxidizing or reducing conditions in the melting chamber that the furnace is suitable for a great many industrial purposes. The flame enters the heating chamber on a tangent at the top, near the rear of the furnace, and makes three or four complete convolutions before making its exit thru the pouring opening at the front. One of the distinctive features of this furnace is the flat bottom upon which the molten metal will lie with a uniform depth preventing the over-heating of thin edges, such as are found in round bottom furnaces. The furnace will melt 500 lbs. of copper or red brass in 1½ hours from a cold furnace. Subsequent melts can be made in one-half hour. The oil consumption per pound of metal is very low and the metal losses are small. This is an ideal type of furnace for experimental work that requires a reverberatory furnace. The air is carried to the burner from the blower thru the trunnion and burner is always in firing position—a great advantage in this type of furnace. Approx. shipping weight packed for domestic shipment, 2250 lbs.; packed for ocean shipment, 2550 lbs. Complete with DFC Low Pressure Oil Burner, DFC Motor-Blower No. 20, 220-440 volt, 3 phase, 60 cycle, 30 gal. Oil Tank, and pipe and fittings. Each\$485.00
- 4071 Furnace, Melting DFC, Potless, Tilting, No. 4G, Gas-Fired. Similar to No. 4070, but with Low Pressure Gas Burner No. 793 instead of Oil Burner. Each 475.00
- 4072 Furnace, Melting DFC, Potless, Tilting, No. 4, Oil-Fired. Similar to No. 4070, but without Motor-Blower. Each 345.00
- 4072A Furnace, Melting DFC, Potless, Tilting, No. 4G, Gas-Fired. Similar to No. 4071, but without Motor-Blower. Each 330.00

Parts List For Potless Furnace

Description	No. of tile Required	Tile Number	Wt. Each Lbs.	Price
Furnace Type 4, Catalog Nos. 4070-4072-4072A				
Bottom Front	1	A	97	Each 5.00
Top Front Right	1	BR	33	Each 1.75
Top Front Left	1	BL	33	Each 1.75
Bottom	2	C	131	Each 6.50
Top Side	1	D	35	Each 1.75
Top Side burner tile	1	E	32	Each 2.00
Top Side	2	F	35	Each 1.75
Back	1	G	167	Each 8.25
Cover (Not banded) (With band, 2.50)	1			Each 1.00
Complete Set Linings with clay cover not banded				38.00

THE DENVER FIRE CLAY COMPANY

Parts Lists For DFC Tilting Furnaces

Description	No. of tile Required	Tile Number	Weight Each Lbs.		Price
Furnace Type 341 for No. 40 Crucible					
Bottom Tile	1	T-341-1	78	Each	\$ 4.70
Outer Ring Bottom	1	T-341-5	70	Each	2.50
Outer Ring Middle	1	T-341-6	63	Each	2.50
Outer Ring Top	1	T-341-7	65	Each	2.50
Inner Lining	1	T-341-9	2½	Each .....	.30
Inner Lining	11	T-341-10	Lot 28	Lot	3.30
Stool, 7" dia., 5½" high	1	T-341-11	13	Each	1.25
Cover (Clay part only) 16" dia.	1	T-341-12	35	Each	2.50
Cover Banded Each \$4.00					
Slag Hole Brick	1		7	Each .....	.25
Crucible Wedges, Fire Clay, 4 in set				Set .....	.20
Complete set Linings with clay cover not banded					20.00

Furnace Type 342 for No. 60 Crucible					
Bottom Tile	1	T-342-1	105	Each	6.00
Outer Ring Bottom	1	T-342-3	142	Each	8.00
Outer Ring Top	1	T-342-7	192	Each	10.50
Inner Lining	1	T-342-9	7	Each .....	.40
Inner Lining	11	T-342-10	Lot 77	Lot	4.40
Stool, 6¾" dia., 4½" high	1	T-342-11	13	Each	1.25
Cover (Clay part only) 20" dia.	1	T-342-12	65	Each	4.00
Cover Banded Each \$6.00					
Slag Hole Brick	1		7	Each .....	.25
Crucible Wedges, Fire Clay, 4 in set				Set .....	.20
Complete set Linings with clay cover not banded					35.00

Furnace Type 344 for No. 150 Crucible					
Bottom Tile	1	T-343-1	148	Each	6.10
Outer Ring Bottom A	1	T-343-4	53	Each	2.50
Outer Ring Bottom C	1	T-343-3	64	Each	2.50
Outer Ring Bottom D	2	T-343-5	64	Lot	5.00
Outer Ring Middle and Top	7	T-343-6	35	Lot	17.50
Outer Ring Lip	1	T-343-7	29	Each	2.50
Inner Lining	1	T-343-9	10	Each .....	.60
Inner Lining	11	T-343-10	Lot 100	Lot	6.60
Stool, 9" dia., 6" high	1	T-343-11	20	Each	2.00
Cover (Clay part only) 22" dia.	1	T-343-12	68	Each	4.00
Cover Banded Each \$6.00					
Slag Hole Brick	2			Lot .....	.50
Crucible Wedges	4			Set .....	.20
Complete set Linings with clay cover not banded					50.00

Furnace Type 345 for No. 275 Crucible					
Bottom Tile BL	1	T-345-1	46	Each	3.15
Bottom Tile BR	1	T-345-2	46	Each	3.15
Outer Ring Bottom A Burner	1	T-345-4	75	Each	3.75
Outer Ring Bottom D	2	T-345-5	Lot 150	Lot	7.50
Outer Ring Bottom C	1	T-345-3	75	Each	3.75
Outer Ring Top G	3	T-345-6	Lot 225	Lot	11.75
Outer Ring Top E	1	T-345-7	65	Each	3.75
Inner Lining	1	T-345-9	12	Each	1.00
Inner Lining	11	T-345-10	Lot 144	Lot	11.00
Stool, 12" dia., 6½" high	1	T-345-11	22	Each	2.50
Cover (Clay part only) 25" dia.	1	T-345-12	95	Each	5.00
Cover Banded Each \$7.00					
Slag Hole Brick	2			Lot .....	.50
Crucible Wedges	4			Set .....	.20
Complete set Linings with clay cover not banded					57.00