V. A. HALE, President

E. R. JACKSON, V. P. & Treas.

# **Arizona Mining Supply Corporation**

**PRESCOTT** 

Northern Arizona Distributors

OF ·

Machinery, Equipment and Supplies

FOR

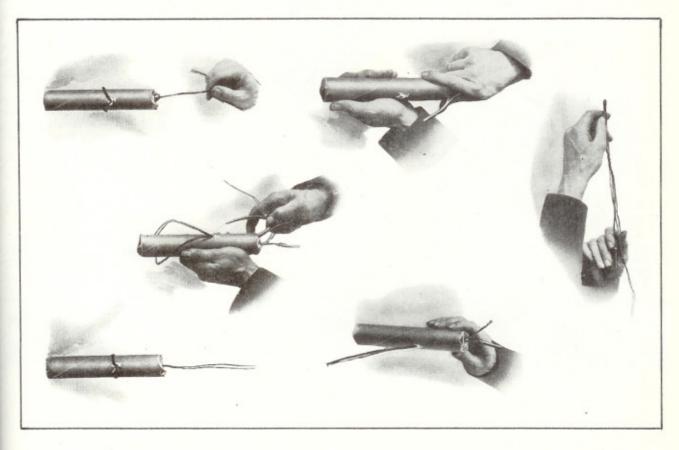
Mines - Mills - Contractors - Ranches

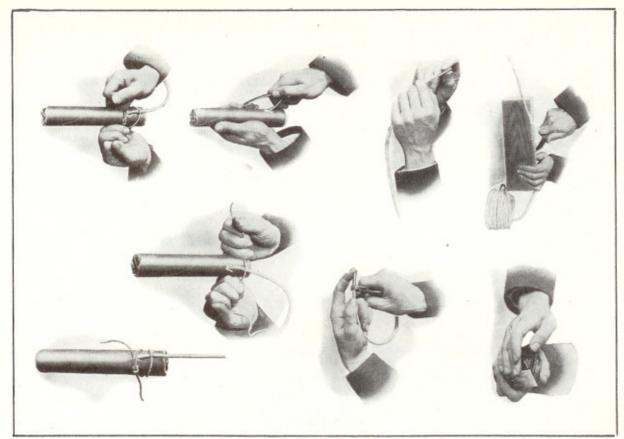
This catalog is published so that we may more efficiently serve NORTH-ERN ARIZONA, and is made possible by the greatly increased volume of business we have enjoyed during the past two years, due to the prosperity and industry of this territory.

We have carefully built up a competent organization to intelligently and promptly execute all commissions entrusted to us.

Located as we are, we give, with our own delivery service, together with Railroad and Truck Lines, quicker service to ALL POINTS IN NORTH-ERN ARIZONA than obtainable from any other source.

In our Equipment and Supply Departments will be found the products of the best known manufacturers; however, this catalog does not show everything that we supply, and orders and inquiries covering special items are solicited.





### Illustrations of Case and Cartridge Markings of Du Pont Explosives for Quarrying



50 LBS NUPONT DYNAMITY

CASE OF RED CROSS EXTRA DYNAMITE

CASE OF RED CROSS STRAIGHT DYNAMITE



CARTRIDGE OF RED CROSS EXTRA DYNAMITE



CARTRIDGE OF RED CROSS STRAIGHT DYNAMITE



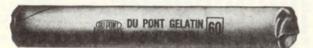


CASE OF RED CROSS GELATIN DYNAMITE

CASE OF DU PONT GELATIN DYNAMITE



CARTRIDGE OF RED CROSS GELATIN DYNAMITE



CARTRIDGE OF DU PONT GELATIN DYNAMITE

# DU FONT BLASTING ACCESSORIES FOR EXPLOSIVES

DU PONT EXPLOSIVES FOR QUARRYING





Nos. 9 and 91/2

	Ht.		METER	No. of	Cap.	Cap. Av. Ore	Wt.	With Band Price
No.	In.	Top	Bottom	Steel	Ft.	Lbs.	Lbs.	Each
8	16	16	14	16	134	200	33	\$10.50
9	15	19	14	16	2	250	35	10.50
91/2	23	22	17	14	3	375	55	17.00



Style No. 1

Style No. 2

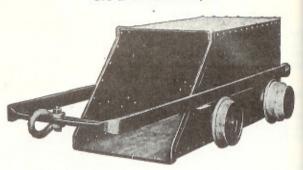
Center Swing

Unless otherwise ordered, bails are made in style No. 1 for Nos. 1, 2 and 3 buckets and in style No. 2 for No. 4 buckets and larger. The bottoms are dished so that they ring to which dumping chain is attached does not prevent bucket from standing upright.

						CAPA	CITY	
No.	Ht. In.	Top	Center	NCHES Bottom	No. of Steel	Cu. Ft.	Av. Ore Lbs.	Av. Weigh* Pound
1	30	21	24	17	9	61/2	750	140
2	30	21	24	17	11	612	750	125
3	32	24	27	21	8	9	1100	195
4	37	28	34	23	1/4	15	1700	400
5	37	24	28	22	1/4	11	1300	350.
6	24	20	22	16	14	41/2	550	67
61/2	28	20	24	16	14	6	725	75
7	19	17	19	14	16	21/2	300	35
10	40	27	32	23	1/4	151/2	1800	400
11	48	26	31	22	1/4	$17\frac{1}{2}$	2100	425
12	40	26	31	22	1/4	141/2	1650	375
13	42	26	31	22	1/4	15	1700	385
14	28	22	28	19	36	71/2	900	150
	-		TTLES 1 A EACH	ND 2 BAII	Extra for	CEN	PRICE, EA	
No.		hout	Wi Bar		Strigs on Side	Witho Ban	ert	With Band
1	\$43	.00			\$7.50	\$53.	00	
2			\$35.	.00	7.50			45.00
3	53	.00	56	.00	11.00	60.	00	64.00
4	109	.00	116	.00	15.00	122.	00 1	130.00
5	84	.00	90	.00	13.00	103.	00 1	09.00
6			24.	.00	6.00			30.00
61/2			30	.00	7.00			36.00
7			20	.00	4.00			24.00
10	112	00.5	120	.00	15.00	122.	00 1	30.00
11	122	.00	126	.00	18.00			
12		.00	112.		13.00			
13		.00	118.	.00	15.00			
14	47	.00	50.	.00	7.00			

Other sizes and weights made to order. Prices upon application.

### Ore and Water Skips



Ore and water skips are made in 2 styles. Above is illustrated the Style No. 2 which has the axles for the wheels riveted to the sides.

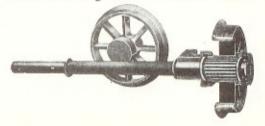
The Style No. 1 is the same as the Style No. 2, except that it has standard axles bolted on the bottom of the skip.

Skips are made to order in any size and style and when ordered for handling water, an automatic valve is furnished, which is placed in the bottom of the car.

When ordering, advise the size and style desired and the angle of the incline from the perpendicular or horizontal.

No.	Capacity Cu. Ft.	Thickness Steel Inches	Approx. Weight Pounds	Price, Style 1	EACH Style 2	Extra for Water Valve Each
1	10	36	550	\$112.00	\$140.00	\$20.00
2	15	1/4	800	150.00	190.00	20.00
3	20	1/4	1,050	190.00	235.00	30.00
4	25	1/4	1,300	225.00	280.00	30.00
5	30	1/4	1,600	260.00	325.00	30.00

### Roller Bearing Coal Mine Car Trucks



The roller bearing mine car truck has been designed to take care of the trade desiring a light running, durable and oil saving truck.

The wheels are made of a high grade tough iron with a deep chill for severe service.

Prices do not include axle clips or steel bushings.

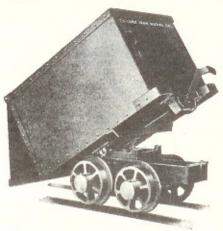
Dinmeter Inches and	Size	,	Paics,		
Weight of Wheel	Axle Inches	30	GAUGE,	INCHES -	40
12-B	134	\$35.12	\$35.59	\$35.95	\$36.06
12-B	2	37.48	38.14	38.56	38.80
12-B	$2\frac{1}{4}$	41.25	42.08	42.61	42.91
14-C	2	39.95	40.61	41.03	41.27
14-C	21/4	43.72	44.55	45.08	45.38
14-C	21/2	47.79	48.81	49.47	49.83
14-D	21/2	48.54	49.56	50.22	50.58
16-C	2	43.03	43.69	44.11	44.35
16-C	214	46.80	47.63	48.16	48.46
16-C	21/2	50.86	51.88	52.54	52.90
16-D	21/2	53.11	54.13	54.79	55.15
16-F	21/2	54.61	55.63	E6.29	56.65

40

### Type Z Ore Cars

The Type Z Ore Car will meet practically all ordinary requirements.

The truck frame is in one piece without any riveted corners to get out of order. It is rigidly held at the bottom by the truck, and at the top by a cast iron, machined grooved, grease lubricated and dirt proof turntable.



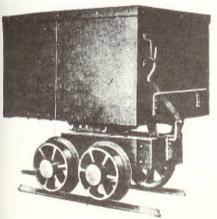
Regularly equipped with standard roller bearing truck but can be furnished with plain bearing truck, when so desired. Special features can be furnished as desired, at an additional price. Unless otherwise specified, will be furnished for 18-inch

Car No.	Cap. in Cu. Ft.	O.		L DIMEN DTH 24-in. Ga.	, In. Ht.	Bottom In. and Ga.	Sides In. and Gn.	DIMEN. Wheel Diam.	Axle	w, In. Wheel Base
Z-12	11.7	47	28	33	371/8	10	12	10	11/2	16
Z-14	14	47	28	33	411/8	10	12	10	11/2	16
Z-16	16	49	30	33	411/8	36	10	10	11/2	16
Z-18	18.3	49	34	34	4114	36	10	10	134	16
Z-20	20	53	34	34	4314	1/4	10	12	$1\frac{3}{4}$	18
7-22	22.5	59	34	34	4378	1/4	3/6	12	2	18
Z-28	28.1	-59	34	$34\frac{1}{2}$	50	1/4	3/8	12	$2\frac{1}{4}$	18

Prices upon application.

80 91

### Leadville Type Ore Cars



This car is to m monly known as the "Leadville Type."
It is well braced and regularly mounted on a

mounted on a cast iron machined groov-ed, dirt proof and grease lubricated turntable. It can, however, be furnished mounted on a wrought steel turntable as illustrated. The

door is operated, and the car locked to keep from dumping by the lever on the rear.

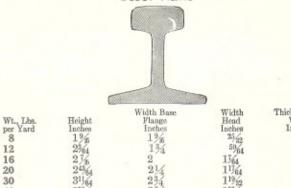
Truck frame is oak, well ironed and braced. The oak acts as

a cushion between the body, load, and the running gear.

Regularly fitted with roller bearing truck but can be equipped with plain bearing truck if so desired. Unless otherwise specified, it will be furnished in 18-inch gauge. Bumpers, coupling chains, hooks, etc., can be added when desired at an additional price.

	Cap.	O		L DIMEN.	, IN.	Bottom	Sides	Mar	per.	-
0	in Cu.		WII	24-in.		In.	in.	DREN. Wheel	Axle	Wheel
Car No.	Ft.	Lth.	18-in. Ga.	Ga.	Ht.	Ga.	Ga.	Diam.	Size	Base
T-14	14	47	28	33	411/8	3/6	10	10	11/2	16
T-16	16	49	30	33	411/8	3/10	10	10	11/2	16
T-18	18	49	34	34	4114	36	10	10	13%	16
T-20	20	53	34	34	4314	1/4	3/6	12	$1\frac{3}{4}$	18
T-22	22 5	59	34	34	4378	1/4	36	12	2	18
T-28	28	59	34	341/2	50	3/6	3/6	12	21/4	18
Pri	ces upo	n ap	plica	tion.						

### Steel Rails



### Splice Bars



Rail	Si	PLICES	22020	Dist. bet.	***
Used Pounds	Length Inches	Thickness Inches	Bolt Inches	Center of Holes, In.	Wt., Lbs. per Pair
8	161/8	7/12	11/2x3/8	4x41/8x4	2
12	1618	5/6	13/4×1/2	4x41/8x4	3.44
16	161/8	5/8	134x1/2	4x418x4	4.36
20	161/8	216 516	2 x1/2	4x418x4	4.86
30	161/8	718	2 x21/22	4x418x4	7.36
40	20	1/2	3 x25/2	5x51/8x5	11.56

Prices upon application.

385/64

Prices upon application.

### Track Bolts Oval Neck-Square Nuts



Sizeinches	3/8×11/2	1/2x13/4	1/2x2
Approximate No. per Keg of 200 Pounds Size Rails, per Yardpounds	1740 8	1600 12 & 16	900 20
Sizeinches Approximate No. per Keg of 200	21/32x21/2	25/32X3	
Pounds	485	285	
Size Rails, per Yard , pounds	30	40	
Price	pe	r pound	

### Track Spikes



Size	5/16x21/2 2260 8 & 10	3/8x21/2 1625	3/8x3 1400 12 & 14
Size	3/8x31/2	1/2×31/2	1/2x4
	1248	760	642
	16 & 18	20	25 & 30
Size	1/2x41/2	1/2×5	9/ <sub>16</sub> x51/ <sub>2</sub>
	586	487	340
	35	40	45 & 48
Price	per	pound	

# (Gasoline) Assay



Front View Denver Assay Furnac Muffle Type for Gasoline



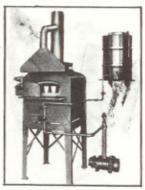
Side View Denver Assay Furnace

		rucible pacity	Cap.	Outside Muffle Dimensions, Inches			Floor Space Inches		Ship. Wt., Lbs.
INO.	No.	Size	Gas. Gals.	1.	w.	h.	1.	w.	LOS.
481 483 484 485	6 8 15 20	10 Gram 20 Gram 20 Gram 20 Gram	5 10 10 10	10 12 16 18	6 835 1034. 15	416 516 6 7	13 20 23 28	18 21 24 28	185 570 720 885

# LABORATORY FURNACES, Denver Muffle Type (Oil) Assay



Type 4411 Denver Assay Furnace Muffle Type for Oil-Low Pressure



Type 4411 Denver Assay Furnace Muffle Type, Medium Pressure for Oil

	les	Gm.	S E Outside Muffle			Floor Space		Low Pressure			
Model No.	Muffles	Ple Ple		nsions,			hes		otor wer	Ship.	d. Pres
	No.	Cap.	1.	w.	h.	1.	w.	Type	H.P.	Wt., Lbs.	Med. Ship.
4410 4410 4410	1 2 3	18 35 54	20 ½ 20 ½ 20 ½ 20 ½	$\begin{array}{c} 12\frac{1}{4} \\ 12\frac{1}{4} \\ 12\frac{1}{4} \end{array}$	8 8 8	32 32 32	28 57 86	125 250 250	$\frac{16}{112}$ $\frac{112}{112}$	2180 2705 5890	1910 3435 5715
4411 4411 4411	1 2 3	24 48 72	21 21 21	14 3 i 14 3 i 14 3 i	718 718 738	32 32 32	30 63 93	125 250 250	$\begin{smallmatrix} 1_{\frac{1}{2}} \\ 1_{\frac{1}{2}} \\ 1_{\frac{1}{2}} \end{smallmatrix}$	2400 4385 6310	2130 4115 6135
4412 4412 4412	1 2 3	30 60 90	25 25 25	17 14 17 14 17 14	916 916 918	34 34 34	33 68 103	250 250 250	$\frac{11_{2}}{11_{2}}$ $\frac{11_{2}}{11_{2}}$	2670 4960 7080	2400 4650 6950

### MERCURY, Denver



Denver Mercury Flasks

MERCURY for use with Amalgam Plates and Barrels, Ball Mills, Clean-Up Pans, etc. can be furnished at the prevailing market price. Specially designed metal containers can be supplied in a number of convenient sizes. These metal containers a void spillage and breakage and can be easily transported. Large flasks contain 75 pounds and smaller sizes, 5, 10, or 25 pounds of mercury.

### LABORATORY SCALES, Denver Solution and Pulp



Denver Solution and Pulp Scale

DENVER Solution Scales are designed particularly for the compounding of liquids in the laboratory where scales must be built to withstand rapid handling, mechanical shock, and considerable wear from frequent use. Denver Laboratory Scales meet these requirements and retain utmost sensitivity.

They are provided with two weighing beams with sliding poises, the large beam graduated from 0 to 1000 grams and the smaller from 0 to 100

### LABORATORY BALANCES, Denver Analytical



Denver Analytical Balance

THESE BALANCES have a capacity of 200 grams and are sensitive to 1/10 mg. The beam is of aluminum alloy, 6" long, graduated in 50-1/5 mg. divisions on each side of zero. Two 10 mg. riders are furnished. Pans are chrome plated, 2½" in diameter, controlled by an independent arrest with a locking push button. The mahogany case has a counterpoised door, leveling screws, spirit level. Size 16½" x 9½". Shipping weight 30 lbs.

### LABORATORY BALANCES, Denver Pocket Assay



Denver Pocket Assay Balance

DENVER POCKET Assay Balances are accurate precision instruments designed to fold up into compact wood cases which also accommodate the weights and pincers. When raised, the lid supports the beam from which the saucer shaped pans are suspended. When the box is closed, its dimensions are 6"x2¾"x1½". Weighing capacity is 10 grams, sensitivity ¼ mg. The instrument is furnished with a set of weights, 10 grams x 1 mg.

### PANS, Denver Hand Gold



Standard Gold Pan

GOLD PANS are essential in testing gold deposits and can be furnished in either the all steel Standard Pan or the Copper-Bottomed Pan. The latter is made of steel with a copper bottom and forms an excellent amalgamating unit when coated with mercury.

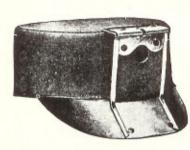
These pans are made in a standard diameter of 16" and weigh 2 pounds. However, various diameters can be supplied on special orders.

### AMALGAMATION PLATES, Denver

All plates are carefully wrapped in blankets and then boxed to prevent damage in shipment.

	Approx.	Dimensions		Shi	pping Wt.,	It., Lbs.	
Plate Size	Plate Thickness	I.	w.	1 oz. Ag. per Sq. Ft.	1 ½ oz. Ag. per Sq. Ft.	2 oz. Ag. per Sq. Ft.	
No. 1 No. 2 No. 3 No. 4	1.4 m 1.4 m 1.4 m 1.4 m	48" 48" 96" 96"	52" 54" 52" 54"	120 122 240 244	121 123 241 246	122 124 242 248	

### No. 9 Coal Miners' Caps



No. 9 white cap of heavy special shrunk white duck, flannel lined. Visor of heavy material covered with white duck; will not be affected by dampness. Lamp-holder of 2X tin interlined with vulcanized fibre. No. 9 brown cap same as white, but made of brown duck, and the visor is of heavy material covered with Black Glazed oilcloth.

Either white or brown cap can be furnished with leather or long oil visor, if desired. Prices upon application.

### Justrite Carbide Flasks



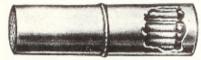
Made of heavy tin, double seamed, strong, durable.

Oval shape, size 6¾x2x3 inches.

Has large opening and empties freely.

Price, No. 23, with Screw Cap..... \$.15

### No. 75 Justrite Waterproof Match Boxes



Round, seamless brass, nickel-plated. Size 27/8x 1/16 inches. Price, No. 75 each \$.10

### Justrite Carbide Cans



Made of light steel, tin coated, ribbed, double seamed and sliding cover, air tight, concaved to fit the boot or hip pocket. Holds full day's supply. Strong and durable. The most convenient and safest carbide supply can on the market. Will not rust.

### Miners' Lamp Union Carbide



Specially selected and perfectly adapted for use in miners' lamps on account of its high gas yield, special selection, uniform size and freedom from dust.

Packed in substantial steel, blue and gray, 100 and 25-pound drums. Each drum is equipped with a screw-top which can easily be replaced in position.

Miner's Lamp Union Carbide is also supplied in 2-pound cans. Each can is equipped with a compression top which can be easily replaced in position.

Prices upon application.

### "E-Z" Welding Compound



Used between laps of welds for welding all grades of steel. Pounds .... 1 Packages ... Box Box Box Bu Per Lb. . . . . .22 .15 .15 Pounds .... 50 100 200 600 Packages ... Per Lb. .... Box Drum 1 Bbl. Bbl. .14 .133 .131 .13

### Oxweld Welding Supplies

### OXMELA DERRO FLUN Wing Car be and soff for Wing Car be and soff for Wing Car be and soft for Win

### Oxweld Fluxes

Oxweld Cast Iron, Brass, Bronze, Copper and Malleable Iron fluxes are packet in I-lb, cans.

Oxweld Aluminum fluxes come in hady

-Price	per Lb. in	Quantit	is of
1/4	1-9	10-49	50-00
Ferro Flux (for Cast Iron)	.75	.70	.50
Brazo Flux for Brass, Bronze, Copper			
or Malleable Iron	.85	.80	.65
Cast Aluminum Flux for Aluminum			
Castings50	2.00	1.80	1.60
Sheet Aluminum Flux for Sheet			
Aluminum	2.40	2.20	2.00

### No. 4 "Braz-Cast" Flux



For bronze welding cast im "Braz-Cast" Flux enables the welder to do many cast iron jobs, such as cylinder block, etc., without dismantling or preheating the casting, thereby

heating the casting, thereby saving considerable time, as well as gas. Price, Packed in 1 lb. flat oblong cans...per Lb. 1.50

### Shoot-A-Lite Liters



Lights inflammable gases, alcohol, acetylene, and canned heat. Shoots a brilliant spark at each pull of trigger. N. P. steel case.

No. S ..... Each .50
No. SF, Extra Renewal Flints .... Each .10

### Fuller Lighters



Used for lighting gas torches and stoves. Flat file will give long and satisfactory service. Saves matches and time, and eliminates danger when lighting the torch. Lights 2,000 times. Each renewal good for 2,000 times.

### Haynes Stellite Welding Rods

A special alloy for hard surfacing by the oxy-acetylene welding process. Offers great resistance to abrasion. Welding rods made in 3/16, 1/4, 5/16 and 3/6-inch diameters, varying in length from 6 to 14 inches.

Prices and Complete Specifications on Application

### No. 206 Dew-R-Lite Carbide Mine Lamps



This lamp is made of brass and is corrosion proof, as well as proof against acid waters.

Has an improved water feed.

This lamp makes it possible to make examination and see objects as far distant as 150 feet, while at the same time, it brilliantly illuminates the surrounding area.

Burning capacity, 9 hours on one charge.

Height to lamp top, 6½ inches. Height to bail top, 9¾ inches. Weight, 23 ounces.

Price, No. 206.....each ....

### No. 205 I T P Mine Lamps

This lamp has a water tank and carbide container of extra heavy drawn steel, water lid and valve parts of brass.

It is fitted with a No. 7 nickel silver reflector, 3½ inches in diameter by ½ inch deep.

The reflector is equipped with a spark lighter.

This lamp will burn for 9 hours on one charge of carbide.

Projects light beam 50 feet.

Height to lamp top, 61/2 inches.

Height to bail top, 9% inches.

Weight, 19 ounces.

Price, No. 205.....each \$4.50

## No. 160 ITP Mine Superintendent's Lamps



Made of brass, nickel-plated and highly polished. It is fitted with No. 6 reflector—this is made of nickel silver, easily polished. The No. 7 reflector measures 3½ inches in diameter by ½ inch deep, and is equipped with a sparker lighter. This lamp is made entirely of non-

This lamp is made entirely of nonmagnetic metal, can be used when reading a transit without deflecting the needle. Lamp is fitted with hinged wire handles and hook—can be used as a hand lamp or suspended by hook. Lamp is regularly equipped

with patented wind snield, making it wind and concussion proof. Lamp is 5¼ inches in height, weighs 11 ounces and will burn for 6 hours on one filling of carbide.

### No. 30 Dewar Carbide Cap Lamps



This lamp is light in weight, is equipped with float feed and sparker lighter.

The reflector is made of a special aluminum alloy.

The flame burns steadily, without flicker or flare, and during operation the lamp requires no attention, excepting to keep it supplied with early de and water

ing to keep it supplied with carbide and water. Each lamp is furnished with a detachable cap clip.

Height of lamp, 3½ inches. Burning capacity, 3 hours.

Highly polished nickel finish. Weight each, 5 ounces.

Price, No. 30 ......each \$1.00



### Sun-Ray Burners

Made of brass, with lava insert.
Easy to take out of lamp or replace.

Price.....per dozen \$.40

### No. 76 Windshield

This windshield makes lamp wind, drip and shot proof. It makes the lamp immune to the strongest air currents met with in mines. The shield as well protects the flame from overhead drip.



Price, No. 76......per dozen \$1.50

### Replacement Parts

		PRICE, EACH		
Part No.	Part Name	Cap Har Lamps Lam	ed ps	
2	Wire Rods	\$.10 \$.0	16	
3 5	Water Tank Lid	.10 .1	0	
5	Burner Tubes	.10 .1	0	
10	Strainers	.05 .0	5	
13B	Carbide Containers	.25 .7	5	
15	Valves Complete	.30 .2	5	
16	Valve Stems Only	.15 .1	0	
	Bail and Hook		0	
	Hook for Bails	1	5	
19	Coil Spring Slide Tubes	1	5	



### Twin Jet Flat Flame Burners

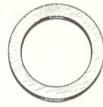
Can be furnished in ¼, ½ or ¾-foot size. Price.....each \$.15

### No. 12 Dewar Red Rubber Gaskets

This gasket is made under the manufacturer's special formula and contains little sulphur. It will remain soft and pliable for many years. Packed 12 in a box.

Price, No. 12, for Cap Lamps .....per dozen \$.25 Price, No. 12, for Hand Lamps

.....per dozen





### Strainer Felts Chemically Tested

Price, for Cap Lamps, 1½ Inches in Diameter........per dozen Price, for Hand Lamps, 1½ Inches in Diameter......per dozen .35

### No. 62 Burner Cleaners



Wires can be used as brush to remove surface dirt, or a single wire used separately to clean

the gas outlet. Made for all lamps.
Price, No. 62.....per dozen \$.65

### No. 65 Reamers Imported Swiss Steel—For All Burners

# personal personal distribution and the second secon

### Sparkers and Parts



MWWJ

No. 8C Sc	rew Cap	No. 8 Sparker Complete	No.	8B Spring
Price, N	o. 8, Sparke	er Completeker Spring	per	dozen \$1.25 dozen .20

Price, No. 8C, Sparker Screw Cap......per dozen