
GEO-W- DIENER MFG-CO-

**GASOLINE APPLIANCES,
HARDWARE SPECIALTIES,
SHEET METAL SPECIALTIES,
FORGED TOOLS.**

CHICAGO-ILL-U-S-A-

CATALOG NO. 7

—OF—



GASOLINE APPLIANCES
HARDWARE SPECIALTIES
SHEET METAL SPECIALTIES
FORGED TOOLS



MANUFACTURED AND WARRANTED BY

GEO. W. DIENER MFG. Co.

77-79-81-83 West Lake Street
CHICAGO, ILLINOIS U. S. A.

TO THE TRADE

¶ Customers receiving this catalog will please destroy all former ones from us, so that there may be no confusion in orders.

¶ In ordering customers will confer a favor by using the same **numbers** and **description** given in this catalog.

¶ **TERMS:** Net cash in thirty days, or 2 per cent cash discount if paid in ten days from date of invoice, subject to sight draft after that time. Remittances should be made by Chicago or New York Draft, Post-office or Express Money Orders. Local checks must be accompanied by 15 cents for collection charges.

¶ Thanking our customers for the liberal share of their patronage, and trusting for a continuance of same, we beg to remain,

Yours very respectfully,

GEO. W. DIENER
MF'G. COMPANY

77-79-81-83 West Lake St.

January 1908

CHICAGO, ILLINOIS

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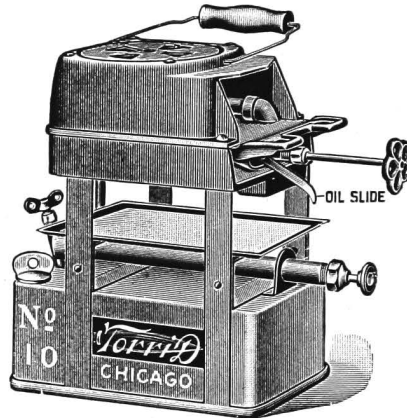
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Patented

Our "Torrid" Square Furnace

is especially constructed for sheet metal workers' use. Is equipped with our cast "horse shoe" burner, burning from each side toward the center, giving the benefit of all of a torrid blue flame in heating contact with one or two coppers, a point of merit all mechanics who use but two coppers will appreciate. While a large volume of blue flame can be produced for heating large coppers or melting pot, this furnace having an independent flame for generator, will burn a perfectly blue flame and keep generation for any length of time with a very low flame if desired, making it especially adapted to tinner, sheet-metal workers and kindred trades.

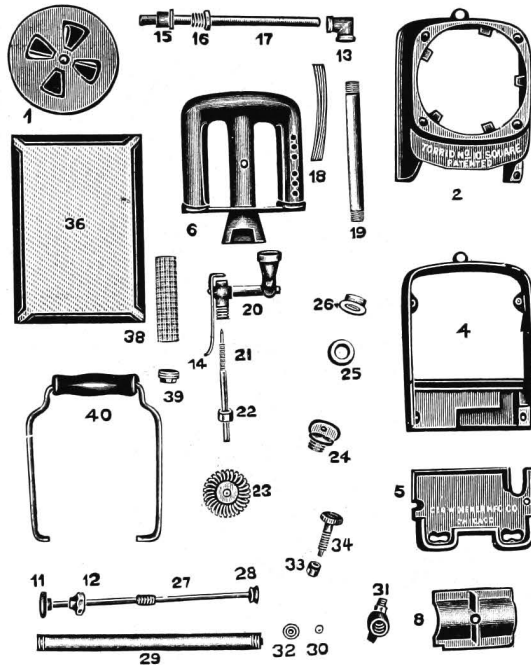
Tanks are drawn (not pieced) of No. 18 gauge steel, galvanized and rectangular in shape; avoiding danger of upsetting on roof-work, etc., tested at 30 pounds air pressure, (2 or 3 pounds is all that is required for good results from furnace). Has an 8-inch brass set air pump with a simple and accessible valve, cast metal hood with circular opening, for melting pot, with register cover. **Is noiseless, odorless and smokeless** in operation, convenient, durable and economical, using 25 to 40 per cent less fuel than any furnace offered for like use now on the market. **Has greatest range in heating**, namely 3 to 12 pound coppers, indoors or on a roof, in cold and windy weather.

Coal oil can be used in this furnace with satisfactory results, owing however to the tendency of coal oil "gumming up" we advise using gasoline wherever possible.

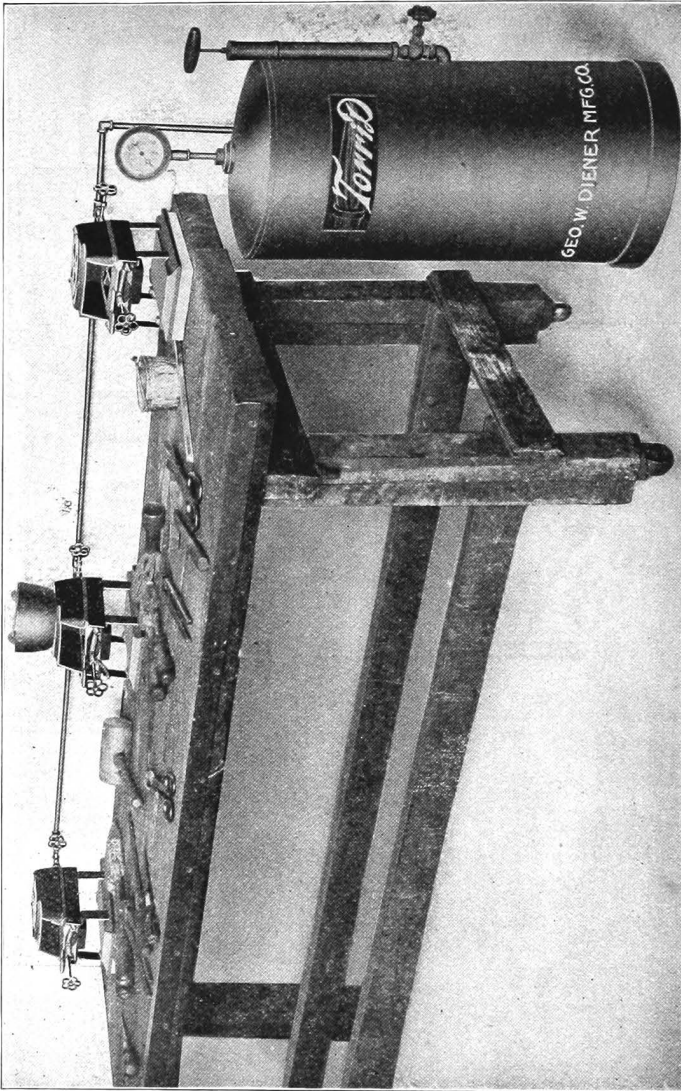
Capacity of tank.....	1 gallon
Consumption of oil per hour, full blast.....	$\frac{3}{4}$ pint
Height.....	12 inches
Weight.....	14 pounds

Price No. 10, \$6.50 net.

Repair Parts for Torrid No. 10 Furnace

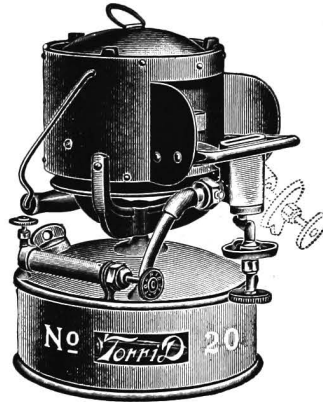


No.		Each	Mail
1	Register Cover	\$0.25	\$0.40
2	Hood	50	85
4	Hearth Plate	50	85
5	Iron Rest	25	35
6	Burner only	1.00	1.40
38	" Tubes	10	12
39	" Plugs	10	11
8	Flame Plate	10	18
11	Pump Knob	5	6
12	Hex Nut	10	11
13	Elbow, 1/4x1/2 sup.	15	18
15	Stuffing Box	15	16
16	" Nut	15	16
17	Supply Pipe	10	12
18	Generating Wire	5	6
19	" Pipe	10	12
20	Needle Valve only	65	70
21	" for Valve	20	22
22	Stuffing Nut	10	11
23	Wheel Handle	10	12
14	Oil Slide	5	5
24	Filler Plug	20	23
25	" Washer	doz.	5
26	" Socket	15	17
27	Pump Rod	10	12
28	" Cup Washers	doz.	10
29	" Tube	25	29
30	Steel Ball	5	5
32	Pump Air Check	10	12
31	" Valve	25	28
33	" Stuff Nut	5	6
34	" Thumb Screw	15	16
36	Asbestos Plate	15	20
40	Bail Handle	10	12
41	Tank, complete with fittings	2.50	



Above we show our Factory Furnace--this is our No. 10 without the individual tank, connecting one or more furnaces permanently with a pressure oil tank which can be set outdoors if necessary.

Furnace with valve and union, ready for connecting to main pipe, net	\$5 00
10-gallon Pressure Tank (200 lbs. air tested).....	4 50
50-pound Air Gauge	1 50
Brass Pump.....	1 50



Patented

The "Torrid" Swing Burner Furnace

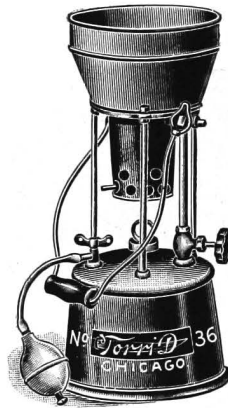
is designed to use for heating soldering copper and melting pot or torch use. Is fitted with our Torrid Blast Burner, which can be swung to any desired angle, giving an **intense blue flame directly on the part to be heated**, melting pot or coppers. Is made with round galvanized iron tank, with 6-inch brass set air pump, the turret hood is quickly removed, allowing furnace to be used as a torch, making a **neat, compact, durable and effective Furnace** for plumbers, tinner, electricians and metal workers in general. Will melt a pot of solder, or heat a pair of 8-pound coppers in four minutes, or burn with low flame, and is a 20 to 30 per cent fuel saver.

Capacity of tank.....1 gallon
 Height.....12 inches
 Weight.....10 pounds

Price No. 20, \$5.50

Repair Parts













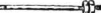







No.		
1	Burner complete with Swivel.....	\$3.00
2	Burner Needle Valve.....	50
3	Burner Perforated Tube.....	10
4	Needle.....	25
5	" Packing Nut.....	10
6	" Handle.....	10
7	Drip Cup.....	20
8	Pump Air Bracket.....	40
9	" Packing Nut.....	10
10	" " Thumb Screw.....	15
12	" Cylinder.....	30
13	" Cap.....	10
14	" Plunger with Washers.....	20
15	Filler Plug.....	20
16	Filler Collar.....	20
17	Complete Swivel.....	60
	Hood complete.....	2.40

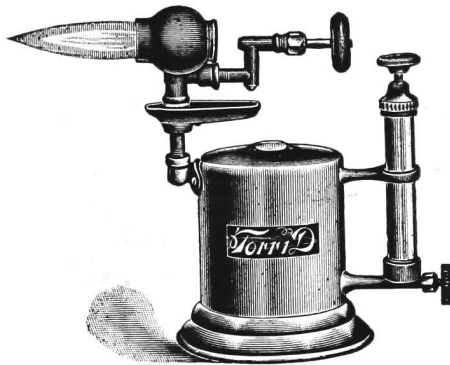


The "Torrid" Plumbers Pot

Tanks are made of heavy galvanized iron with cast galvanized bottom ring and top. The small castings are made of malleable iron to insure strength and lightness. The coil is made of special extra heavy pipe, the burner of a special grade of steel. All parts are interchangeable with H. J. & C. pattern. Made with rubber bulb or brass pump.

No. 36 With Rubber Bulb (with large shield only).....**\$4.00**
No. 38 With Brass Pump (with large shield only)..... **4.25**

BURNER.  EACH 10¢	CONNECTING PIPE  EACH 08¢	COIL.  EACH 40¢	AIR VALVE  EACH 30¢	COIL CUP.  EACH 30¢
HANDLE EAR  EACH 08¢	FILLER PLUG  EACH 15¢	TOP PLATE.  EACH 20¢	TEE.  EACH 06¢	ELL.  EACH 06¢
PLUG  EACH 06¢	WIRE FOR COIL  EACH 05¢	UPRIGHT  EACH 08¢	NUTS.  EACH 02¢	VALVE  EACH 45¢
HANDLE  EACH 25¢	No 1 or 2 SHIELD.  EACH 50¢	No 3 SHIELD  EACH \$1.00	BULB  EACH 35¢	RESERVOIR.  EACH 1.80



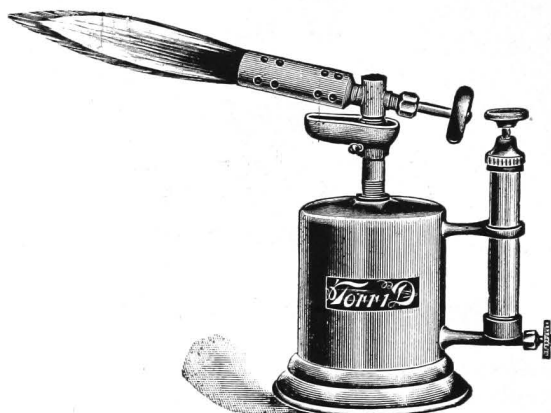
The "Torrid" Blast Torch

is made for service; tanks are made of heavy seamless drawn brass, having strong corrugated concave seamed bottom. Has a $\frac{3}{8}$ -inch brass exterior pump with strong connections and simple and accessible valves. Connections reinforced with locknuts on inside of shell. Is fitted with our Torrid Blast Burner, which is the only burner made to burn a "needle flame" and **keep** the burner at **generating** heat for instant use. Will melt light copper wire, braze tubing, band saw or clock work. The blue flame, always fierce and pointed, makes it a **hot favorite** with electricians, copper and silversmiths and assayers. Consumes little fuel and will earn its price in any workshop.

	No. 1	No. 2
Capacity of Tank.....	1 Pint	1 Quart
Price.....	\$3.50	\$4.00
With copper rest.....	No. 01	No. 02
Price.....	\$3.75	\$4.25

Repair Parts

No.		For No. 1 Torch	For No. 2 Torch
1	Burner.....	\$1.00	\$1.25
2	" Needle Valve.....	.40	.50
3	" Perforated Tubes.....	.10	.10
4	" Needle.....	.25	.25
5	Needle Packing Nut.....	.10	.10
6	Handle.....	.10	.10
7	Drip Cup.....	.15	.20
8	Lower Pump Bracket.....	.30	.40
9	Bracket Packing Nut.....	.10	.10
10	" Air Valve Screw.....	.15	.15
11	Upper Pump Bracket.....	.25	.30
12	Pump Cylinder.....	.10	.10
13	" Cap.....	.20	.20
14	" Plunger with Washers.....	.20	.20
15	Filler Plug.....	.20	.20
16	" Collars.....	.25	.25
17	Soldering Copper Hooks.....	1.25	1.60
	Tank only.....	2.00	2.50
	Burner complete.....		



No. 4-5

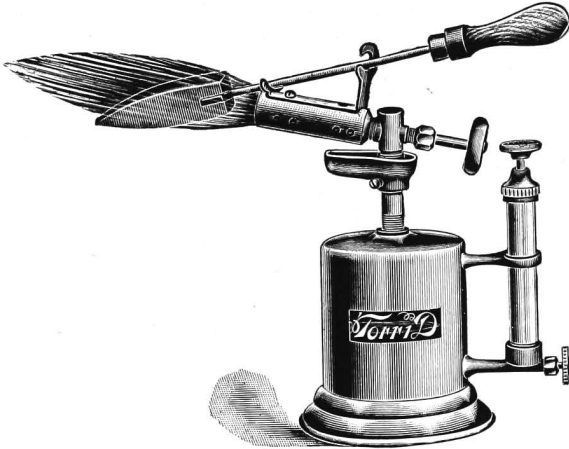
The "Torrid" Flame Torch

is made for general utility, especially adapted for melting, paint burning, and suitable for light brazing. Tanks are constructed of heavy seamless drawn brass, having strong corrugated concave seamed bottom. Is fitted with our No. 5 burner, which is made extra heavy of a special grade of brass. Has a $\frac{7}{8}$ -inch brass exterior pump with strong connections and simple and accessible valves. All connections or fittings reinforced with locknuts on inside of tank.

Made in pint or quart sizes.

Packed one in a box.

Torch	No. 4	No. 5
Capacity of tank.....	1 pint	2 pints
Consumption of oil per hour, full blast.....	$\frac{1}{4}$ pint	$\frac{1}{2}$ pint
Height to top of burner.....	6 $\frac{1}{2}$ inches	9 inches
Diameter.....	3 inches	4 $\frac{1}{2}$ inches
Price	\$3.00	\$3.25



No. 04 and 05

The "Torrid" Flame Combination Torch

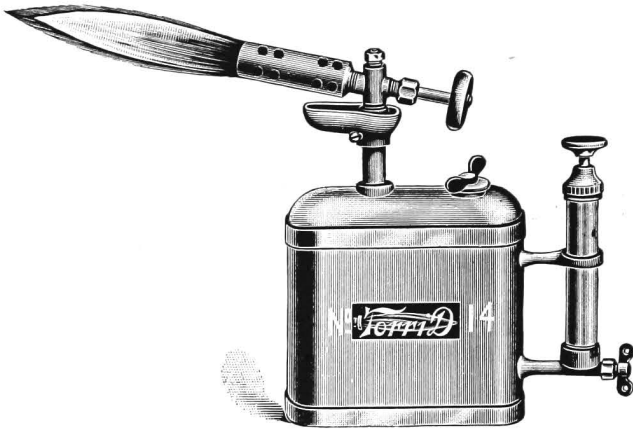
is made the same as our No. 4 and 5 Torches, with the exception that the burner is fitted with hook for holding soldering irons, a point which will be appreciated by those who have occasion to use coppers.

Packed one in a box.

Torch	No. 04	No. 05
Capacity of tank.....	1 pint	2 pints
Consumption of oil per hour, full blast.....	$\frac{1}{4}$ pint	$\frac{1}{2}$ pint
Height to top of burner.....	6 $\frac{1}{2}$ in.	9 in.
Diameter	3 in.	4 $\frac{1}{4}$ in.
Price, 04 and 05.....	\$3.25	\$3.50

Repair Parts

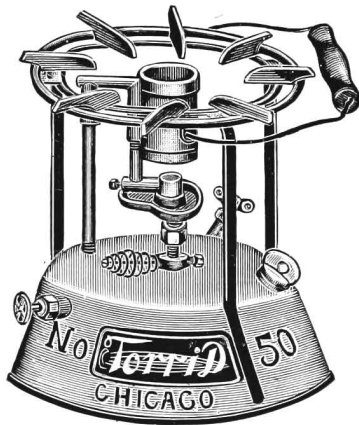
No.	For No. 4 Torch	For No. 5 Torch
1 Burner Nozzle.....	\$0 30	\$0 40
2 Burner Generator.....	80	90
4 Burner Needle.....	25	25
5 Needle Packing Nut.....	10	10
6 Needle Handle.....	10	10
7 Drip Cup.....	15	20
8 Lower Pump Bracket.....	30	40
9 Bracket Packing Nut.....	10	10
10 Bracket Air Valve Screw.....	15	15
11 Upper Pump Bracket.....	15	20
12 Pump Cylinder.....	25	30
13 Pump Cap.....	10	10
14 Pump Plunger with Washers.....	20	20
15 Filler Plug.....	20	20
16 Filler Plug Collar.....	20	20
17 Soldering Copper Hooks.....	25	25
Tank Only.....	1 25	1 60
Burner complete.....	1 25	1 60



Price, \$4.00

The "Torrid" Automobile Torch

Made flat to fit into tool kit. With it one can get into any small space. Cast brass top and bottom, drawn brass body.



Patented

The "Torrid" Painters' Furnace

is a new pattern especially constructed for painters' use. Is adapted for heating water for glue or paste. Is fitted with our "Torrid" Blast burner, which gives an intensely blue flame. Has a heavy tank with a brass pump and cast top plate to set any size pail on. Is noiseless, odor and smokeless in operation. Is simple, compact and durable in construction.

Capacity	1 gallon
Weight	10 pounds
Height	12 inches

Price, \$4.00



No. 70



No. 75

The "Torrid" Alcohol Blow Pipe and Soldering Torch

One of the most convenient forms of soldering torches on the market. Is light, complete and very compact; can be carried in pocket without inconvenience or in tool bag without danger of breaking.

Made entirely of brass.

Suitable for light bench work and house wiring.

No. 70. Size $1\frac{3}{4} \times 6$ in., \$2.00

The "Torrid" Blast Pocket Torch

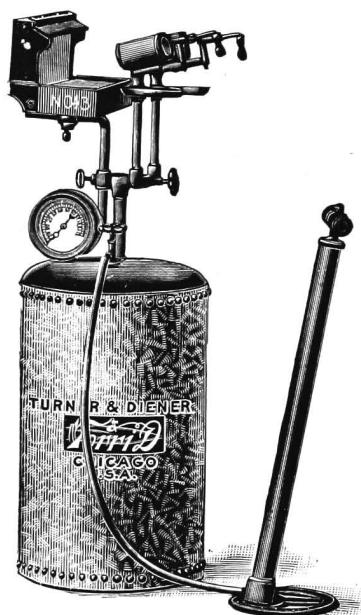
Is made to supply the demand for a powerful burner in a condensed form. Is fitted with our No. 1 Torrid blast burner, which is the only burner made to burn at "needle flame" and keep the burner at generating heat for instant use. Will melt light copper wire, do light brazing, etc. The blue flame, always very fierce and pointed, makes it a hot favorite with electricians and kindred tradesmen.

The burner is swiveled so that the flame can be thrown in any direction. The force pump is inside of torch body, thus reducing size to a minimum. It will burn about three hours with one filling.

Size of Reservoir.....	$1\frac{3}{4} \times 5$ in.
Capacity	$\frac{1}{2}$ pint
Weight	$1\frac{1}{2}$ pounds

Price, No. 75, \$3.00

The "Torrid" Blast Brazer



PATENTED

No. 43

The "Torrid" Blast Brazers are the **most powerful heaters** produced; are made with heavy galvanized steel tanks, tested to 150 pounds pressure. **Independent** 24-inch brass **air pumps**; pressure gauges; adjustable brick rests, to suit any kind of work; and our No. 4B "Torrid" Blast Burners, which have won a just reputation among brazers as giving the most fierce, **concentrated flame** and perfect generation. Our No. 43 is mounted with two burners and fire back. (Further description under No. 44.)

Capacity of tank.....	7 gallons
Height.....	40 inches
Weight.....	65 pounds
Consumption of oil in 10 hours, full blast, 2½ gallons	

Price.

Complete	\$20.00
Without Pump	17.50
Brazer Head, complete	12.00
Burners, each.....	3.50



Patented. No. 44

The "Torrid" Blast Brazer No. 44

is mounted with four burners, adjusted to bring the flame of each burner in contact with the center point, giving a **"torrid" melting flame for heavy work, for steel forging**, rivet heating—especially favored by automobile and tandem manufacturers, toolmakers, etc. Burners can be adjusted for any class of work, can be operated independently, can be controlled to give any desired flame, always generating properly at high or low pressure, and will braze at "needle flame." Works with 5 to 10 lbs. pressure. **Parts easily adjusted** or repaired, and guaranteed in operation.

Capacity of tank.....	10 gallons
Consumption of oil in 10 hours, full blast.....	5 gallons
Height.....	40 inches
Weight.....	80 pounds

Price

Complete	\$30.00
Without pump.....	27.50
Brazer Head complete.....	18.00
Burners, each.....	3.50

"Torrid" Wall Torch



Made with single or double burners. Not affected by wind or rain. Tank made of **No. 27 galvanized iron** (not 36 gauge tin). Has heavy and large wire ring extending through tank. Large and heavy burner, which will keep hot enough to generate properly in any kind of weather. Capacity of tank one gallon, burns ten hours.

Packed one dozen in a crate.

PRICE

No. 60 Single burner, per dozen **\$16.00**
No. 62 Double burner, per dozen **28.00**

The "Torrid" Gas Soldering Furnace



Practical and economical for natural or illuminating gas. Will heat up to 6-pound coppers. The gas consumption for the double burner Nos. 2 and 4, with both the burners at full blaze, is about 12 feet an hour with ordinary gas pressure, but after the irons have become hot, and if the work is not too heavy, one can reduce the gas consumption by turning down the faucets a little or by using only one burner, which consumes just half as much gas, or about 6 feet an hour. This matter may, of course, be regulated according to the gas pressure.

The cleaning of this furnace is most practical; you have only to unfasten two nuts underneath and you can clean the burner in a couple of minutes.

No.

1	Single burner, with cast iron top.....	\$3.00
2	Double burner, with cast iron top.....	4.00
3	Single burner, with fire brick.....	4.00
4	Double burner, with fire brick.....	5.00



Glue Heater

(Kerosene)

An indispensable tool for all factories or shops, large or small. Its uses are too manifold to enumerate. Used by pattern makers, cabinet makers, upholsterers, beltingmen, millwrights, or the one thousand and one other tradesmen.

The price is so low that it would insure sale among the amateur or for home use.

Made of heavy tin, wire re-enforced in legs. We carry in stock either with heavy tin pail and cup, numbered 1, 2 and 3, or with pail and cup of copper, numbered 10, 20 and 30.

No.		Per Doz.
1	1 Pint, Tin Pail and cup, list	\$13.00
2	2 " " " " "	14.00
3	3 " " " " "	15.00
10	1 " Copper Pail and Cup, list	17.00
20	2 " " " " "	18.00
30	3 " " " " "	19.00

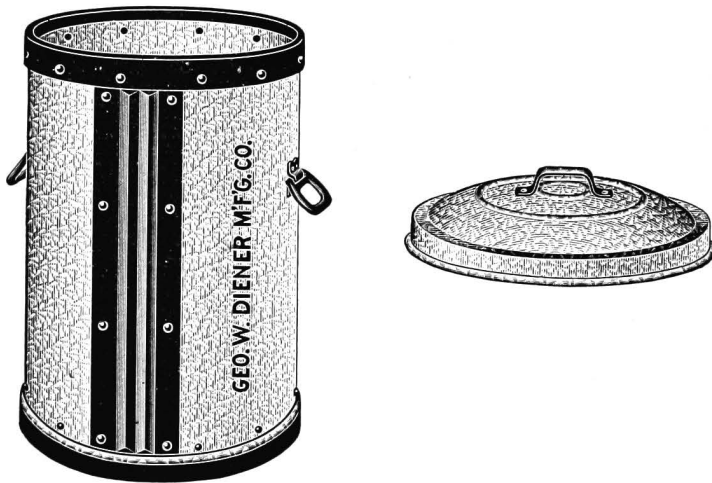
Packed one in a paper box.

Extra Pails and Cups

No.		Per Doz.
1	Tin Pails	\$1.60
2	"	1.70
3	"	1.80
1	Tin Cups	1.40
2	"	1.50
3	"	1.70
10	Copper Pails	3.60
20	"	4.20
30	"	4.80
10	" Cups	3.00
20	"	3.60
30	"	4.20

"Peerless" Ash and Garbage Cans

Approved by the Hardware Dealers Association and the Municipal Authorities of the City of Chicago.



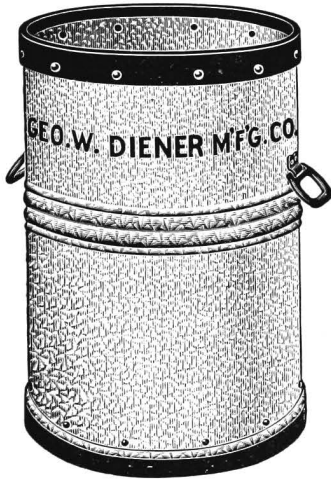
Not How Cheap but a heavy, well made can. A can that will outlast the ordinary stock can by a year or more. Not made of No. 28 gauge iron but of good grade of galvanized weights as below. Is air and water tight, with outside fitting cover. Steel band top and bottom, the lower one riveted through body and bottom. Concave bottom raised $1\frac{1}{4}$ inch from ground. No. 18 gauge steel shields, closely riveted. Guard drop handles.

No.	Size	Capacity	Gauge Iron	Cans Without Covers	Cans With Covers
2	14½" x 24"	17 gal.	No. 26	\$2.00	\$2.25
3	16" x 26"	22 gal.	No. 26	2.20	2.50
4	19" x 28"	32 gal.	No. 24	2.60	3.00

Covers. Seamless Outside Flange.

No. 2.	15-inch diam.	List each.....	\$0.25
No. 3.	16-inch diam.	List each.....	30
No. 4.	19-inch diam.	List each.....	40

"Competition" Ash and Garbage Cans



A can made to compete with the cheaper stock cans on the market. Is made of gauge galvanized as listed below. Steel band on top and bottom. Concave bottom raised $1\frac{1}{4}$ inches from ground. Swedged in center. Guard drop handles. Seamless outside fitting covers.

No.	Size	Capacity	Gauge Iron	Cans Without Covers	Cans With Covers
10	13 x20	11½ gals.	27	\$1.50 \$1.25	\$1.75 \$1.50
20	14½ x24	17 "	27	\$2.00 1.50	\$2.25 1.75
30	16 x26	22 "	27	\$2.50 1.75	\$2.75 2.00
40	19 x28	32 "	26	\$3.00 2.00	\$3.25 2.50

Engineers' Ash Can

Steel **angle hoop** on top, to insure can keeping its shape. Heavy steel hoop on the bottom, riveted through can, body and bottom. Six heavy V-shaped staves, heavily riveted to body and top and bottom hoops. Large heavy malleable iron drop handles, or with bail for hoisting. Bottom set up 1 inch from floor.

Size 19x30 inches, 35 gallons.

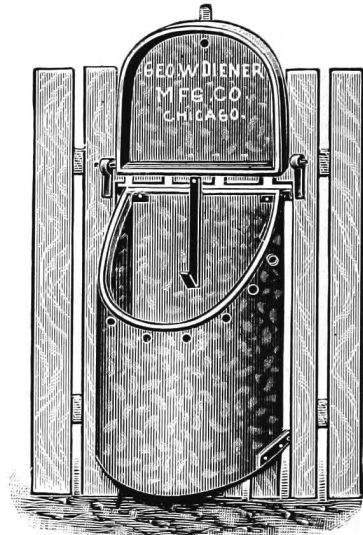
No.	Each
5 No. 22 Gauge Galvanized Iron,	\$4.00
6 No. 20 " " "	5.00

Covers, 60c extra.





View from Alley.



View from Yard, with Cover Raised.

Ash and Garbage Fence Cans

Can be set into fence. For emptying, can is swung out into alley, it being hinged at the bottom to fence, a hook catching and holding can at the proper angle so that contents can be taken out.

Made of good grade of galvanized iron of gauges as listed below, with extra heavy bands on top edge, for striking piece and in bottom for hinge. Heavily riveted, wood bottom under metal one.

All trimmings ready for setting up with each can.

	Size at Fence	Capacity	Gauge Iron	Each
No. 45.....	20x35 in.	45 gals.	No. 24	\$4.00
No. 35.....	17x30 in.	35 gals.	No. 26	3.00

Ash and Garbage Pails



These pails are made of No. 27 gauge galvanized iron (not No. 30). Bottom sets up $\frac{3}{4}$ -in. from the floor. Heavy galvanized outside fitting covers. Heavy ears and bail. A pail that will last.

No.	Size	Capacity	Without Covers	With Covers
4	11½ diam. x 11½	4¾ gals.	\$7 00	\$ 9 00 doz.
6	11½ " x 13½	6 "	8 00	10 00 "
8	12½ " x 14	8 "	9 00	11 00 "
10	14¼ " x 15	10 "	10 00	12 50 "

Galvanized Water Pails



Heavy 26-gauge iron,

Quarts	12	14
Per dozen.....	\$6 00	\$6 50

Galvanized Cement Pails

Extra heavy, of No. 22 galvanized iron, double braced bottom, and riveted heavy steel hoop on top. Heavy wrought steel ears, with $\frac{3}{8}$ -in. bail.

Size 12 x 10½-in., 14 quarts.....per doz. \$14 00

Galvanized Fire Pails

Stencelled "FIRE."

Quarts	12	14
Per dozen.....	\$4 25	\$4 50

The "Old Reliable" Oily Waste Can

Meeting all the requirements of, approved and recommended by, the Underwriters Association.

Made of heavy galvanized iron with simple self-closing tight-hinged cover, **no springs**. Has heavy band iron legs, securely rivited, raising body of can four inches from the floor.



No. 1	Cans size	11½ x 13½,	6 gal.	list each	\$1.00
No. 2	"	12½ x 17	9 "	"	1.50
No. 3	"	14¼ x 20	14 "	"	2.00
No. 4	"	19 x 24	29 "	"	3.00

Protection Insurance Approved Safety Can

For storing and properly handling Naphtha, Gasoline, Benzine, Alcohol, Ammonia and other Hazardous Fluids.

Non-Explosive, Simple, Non-Destructible, Fool-Proof.

Inspected and labeled "Approved by the Underwriters' Laboratories, Inc., Chicago, under the direction of the National Board of Fire Underwriters."

Size	Each
1 pint.....	\$1.25
1 quart	1.50
2 "	1.75
4 "	2.00
2 gallon.....	2.50
3 "	4.00
5 "	5.00
10 "	7.50





Salamanders

For drying out new buildings, etc. Body 16 inches diameter, 15 inches high. Total height 30 inches.

1½x½-inch steel-band legs, rounded under pan, as in illustration, so as to prevent cutting up the floors. Strongly riveted and braced. Heavy cast iron grate.

No. 18 gauge steel, including grate	Each
No. 16	\$2 00
	2 50

Extra grates	\$0 40
Hoods or covers	50
Hoods with pipe outlet	1 00

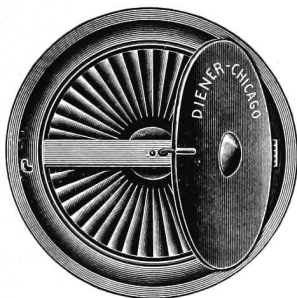
The "Geyser" Hand Fire Pump

No. 22 galvanized, painted and varnished	Each
18 oz. copper, polished and lacquered	\$ 7 00
Capacity, 5 gallons.	10 00



Made of No. 22 gauge galvanized iron, painted red, varnished and neatly stenciled, or of 18 ounce copper, polished and lacquered. Same style pump as is used on all like apparatus by Chicago Fire Department, namely, a double action pump which throws a continuous stream from 50 to 75 feet. The disagreeable feature is overcome in this pump over chemical extinguishers, as nothing but plain water is used and never needs recharging.

A little salt will keep water from freezing. Always ready for instant use. The installment of these pumps will reduce your insurance premiums.



Window Ventilators

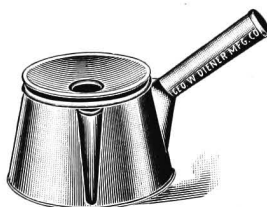
For ventilating stores, offices, etc.
Fan, 8-in. diameter.

- | | |
|--|-------------------|
| No. 1. Heavy tin, oxidized copper..... | List each, \$2 00 |
| No. 2. Copper, natural finish..... | List each, 3 00 |

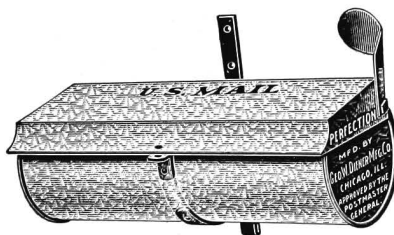
Marking Pots

Made out of IXX tin, pieced. Well made—not on the order of those cheap stamped ones now on the market. Something that will last.

- | | |
|---------------------------------|-----------------|
| No. 1—6 x 4 IXX tin..... | per doz. \$4 30 |
| No. 2—6 x 4 16-oz. copper | “ 7 20 |



Perfection Rural Mail Box



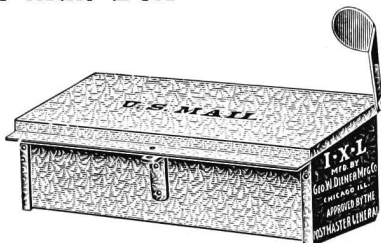
Made up of No. 22 gauge galvanized steel, 18-in. long, 6¼-in. diameter, fully up to the government requirements. This box has no raw edges; all parts being machine-made, is practically rain proof. Cover is hinged in such a manner that it is self-closing, and will stand hard usage. Signal is worked automatically. Has a simple latch with hole large enough to admit a padlock.

Crated one dozen in crate; weight, 75 pounds.

- | | |
|---|--------------------|
| Price of box with bracket on back..... | per dozen, \$12 00 |
| Price of box without bracket on back..... | “ 10 00 |

I X L Rural Mail Box

Made of No. 20 gauge galvanized steel, 18-in. long, 6-in. wide and high, meeting all the requirements of the Postmaster General. Cover is self-closing and operates automatic signal. Is weather proof and well made. Has simple latch with hole to correspond with one in cover if padlock is to be used.



Crated one dozen in crate; weight, 80 pounds.

Price \$10.00 per dozen.

High Form Tanks



For Heavy Oils and Varnishes

These tanks are made with hinged cover and 1¼ inch Perfection Gate. Special dimensions and styles are made to suit.

Capacity	30	60	110 gallons
Diameter	22	24	30 inches
Height	25	28	36 inches
Weight	30	40	60 pounds
Each	\$5.00	6.00	11.00

Gasoline Tanks

For Gasoline, Turpentine and Light Oils

These tanks are made of Nos. 26 and 24 galvanized iron, with wood bottoms beneath the metal ones. They are perfectly air tight, the opening in top being securely covered with a 4-inch zinc can screw.

We use a ground brass faucet for drawing off the contents.

Capacity.....	30	60	110	165	215	265 gals.
Diameter	22	25	30	37	37	37 in.
Height	24	28	36	36	48	54 in.
Weight	30	40	60	80	125	150 lbs.
Price.....	\$4.50	5.00	9.00	13.00	16.00	20.00

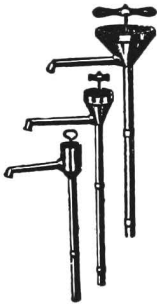


Pump Oil Tanks



Made of good and heavy grade of galvanized iron, in body and bottom; wood bottom under metal; painted and nicely ornamented. The inclined position of the pump makes their operation more easy and rapid. Hinged hood, countersunk drip cup.

Capacity.....	30	60	110	165 gallons
Diameter	22	25	30	37 inches
Height	27	31	37	37 inches
Weight	35	50	65	85 pounds
Price	\$5.00	6.00	12.00	17.00



Plain Tin Pumps

No. 1. 1¼ in. diameter. Length of stock, 32 to 28 in. With tin valve.

Price, \$1.25

No. 2. 1½ in. diameter. Length of stock, 4½ feet. Made of good heavy tin, with banded joints. With brass valve.

Price, \$2.00

No. 3. 1½ in. diameter. Length of stock, 5 feet. Made of heavy charcoal tin, with re-enforced joint. With brass valve.

Price, \$3.50

Hand Suction Pumps

This pump combines great strength as compared with the ordinary tin article, as the entire suction tube is made in one piece.

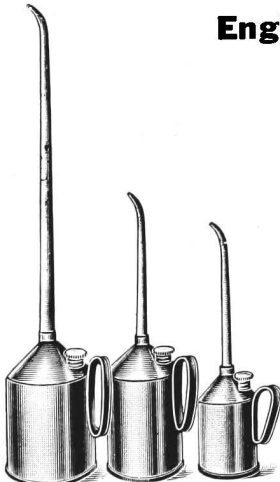
We carry stock lengths from 3 to 12 feet. Pumps less than 5 feet long charged as 5 feet.



	Per lineal foot.		Per lineal foot.
1½ in. inside diameter.....	\$0 55	3 in. inside diameter.....	\$0 70
2 in. " "	60	3½ in. " "	75
2½ in. " "	65	4 in. " "	80

Engineers' Tin Oilers

A good, serviceable, cheap oiler. Strong and well made. Galvanized bottom with wire edge.



Size	Spout	Per doz.	With Valve
1 pint	7 in.....	\$3 75	\$11 50
1 quart	7 in.....	4 50	13 00
1 quart	18 in.....	5 50	16 00
1 1-2 quart	24 in.....	8 00	24 00

Hand Torches

Made of heavy tin with cap on chain and made entirely of brass.

Brass	Per doz. \$13 00
Tin	6 00



The "Ideal" Butter Churn



The Ideal Ball-Bearing Butter Churn produces a high grade of pure butter, from milk or cream, with extraordinary keeping qualities. The operation is very rapid—usually from seven to ten minutes. The power is scarcely anything; any child ten years old can operate it, as it is a ball-bearing machine throughout.

The machine can be thoroughly cleaned in a minute by simply giving a few revolutions of the wheel in a bucket of hot water.

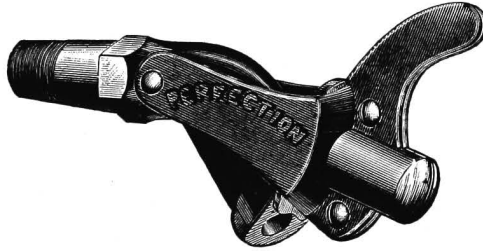
No wood to taint the butter and cause laborious cleaning. All metal parts are heavily tinned. No oil or grease to lubricate machinery, making black streaks in butter, as with so many patent churns on the market.

The castings are made of malleable iron and are heavily enameled. Air tube and dasher are coated with best block tin; driving gear handle is connected with heavy steel rod, and the body of the machine is made of heavy imported dairy tin, which is guaranteed to last for years.

Full and explicit directions accompany each machine sold, how to operate and care for them. No chemical or complicated methods required.

No.	Capacity,	3 gallons,	weight	crated	13 pounds.	Price
3	"	5	"	"	18	\$4 00
5	"	7	"	"	25	5 00
7	"	10	"	"	30	6 00
10	"	10	"	"	30	7 00

Perfection Gates



Suited for all classes of use where a good gate is desired. With fine taper thread or gas-pipe thread ends.

Sizes inside, inches....	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	3	4
Iron japanned, per doz.	\$12.00	\$14.00	\$16.50	\$20.00	\$28.00	\$36.00	\$100.00



Ash Can Guard Drop Handle

Grey iron with heavy steel clip.
Japanned. 4 inches.

List per single dozen, \$1.40

Malleable Guard Drop Handle

Malleable handle with malleable clip. Specially adapted for heavy cans. Will withstand rough usage. $4\frac{1}{2}$ inches.

List per single dozen, \$1.80



Cold Chisels

All cold chisels look alike as far as the quality of the steel is concerned, but all chisels do not act alike when in the hands of the workman. No tool is given such hard usage as a chisel and no manufacturer makes chisels better than need be.

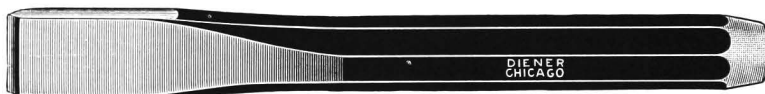
To make a good chisel care must be given to the quality of the steel, the process by which forged, the shaping and tempering.

We use a High Grade of Crucible Steel, Forged-up by the use of a Hammer (not by the use of a squeezer which burns out the carbon from the steel), and shape and temper properly. In short, we aim to make as good a chisel as can possibly be made in our **first quality brand**.

We stamp our name on and warrant every **first quality** chisel. Chisels are oil finished, with turned heads.

Cold Chisels

First Quality



No. 100

Order by the **diameter of octagon steel** and **not** by the width of blade.

Size of octagon steel.....	1-4	5-16	3-8	1-2	5-8	3-4	7-8	1	inches
Size of blade approx.....	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	inches
Average length.....	5	$5\frac{1}{4}$	$5\frac{1}{2}$	6	$6\frac{1}{2}$	7	$7\frac{1}{2}$	8	inches
Average weight.....	$1\frac{1}{2}$	2	$2\frac{1}{4}$	4	$7\frac{1}{4}$	11	16	21	pounds
Number packed in box.....	12	12	12	12	6	6	6	6	
List per dozen.....	\$1 40	1 70	2 00	2 60	3 60	5 30	7 00	9 00	

Cold Chisels, Long Sizes

First Quality

No. 101

Size of octagon steel.....	1-2	5-8	3-4	7-8	1	inches
Average length.....	10	10	10	10	10	inches
Number packed in box.....	6	6	6	3	3	
List per dozen.....	\$4 50	5 50	8 00	9 00	11 50	

Cold Chisels

Medium Quality



No. 102

Size of octagon steel.....	1-2	5-8	3-4	7-8	inches
Average length.....	6	$6\frac{1}{2}$	7	$7\frac{1}{2}$	inches
Number in box.....	12	6	6	6	
List per dozen.....	\$1 80	2 20	3 50	5 00	

Machinists's Cape Chisels**First Quality, Crucible Steel****No. 110**

Size of Oct. Steel.....	5/16"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
Size of cutting edge.....	1/8"	3/16"	1/4"	3/8"	1/2"	5/8"	3/4"
List per dozen.....	\$2 00	2 25	3 00	4 00	6 00	8 00	10 00

Round Nose Cape Chisels**First Quality, Crucible Steel****No. 112**

Size of Oct. Steel.....	3/8"	1/2"	5/8"	3/4"	7/8"
Size of point.....	3/16"	1/4"	3/8"	1/2"	5/8"
List per dozen	\$2 50	3 25	4 50	6 50	8 50

Round Nose Chisels**First Quality, Crucible Steel****No. 114**

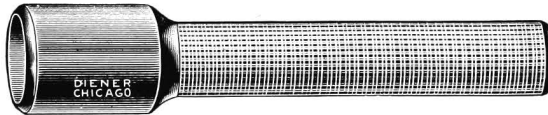
Size of Oct. Steel.....	3/8"	1/2"	5/8"	3/4"	7/8"
Size of point.....	3/16"	1/4"	3/8"	1/2"	5/8"
List per dozen	\$2 50	3 25	4 50	6 50	8 50

Diamond Point Chisels**First Quality, Crucible Steel****No. 116**

Size of Oct. Steel.....	3/8"	1/2"	5/8"	3/4"	7/8"
Size of point.....	3/16"	1/4"	3/8"	1/2"	5/8"
List per dozen.....	\$2 50	3 25	4 50	6 50	8 50

Packed in paper boxes. Weights, lengths and quality of steel same as our No. 100 chisels.

Tinners' Hollow Punches



No. 130

Made of the Best Die Steel.

	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$ in.
List per dozen.....	\$4 50	6 00	7 50	9 00	10 50	12 00	15 00
	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3 in.
List per dozen.....	\$18 00	21 00	24 00	27 00	30 00	33 00	36 00

Tinners' Hand Groovers



No. 132

Forged of high-grade crucible steel.

Nos.....	00	0	1	2	3	4	5	6
Width of Groove, inch.....	$\frac{1}{2}$	$\frac{7}{16}$	$\frac{13}{32}$	$\frac{3}{8}$	$\frac{5}{16}$	$\frac{1}{4}$	$\frac{3}{16}$	$\frac{5}{32}$
Each.....	75c	75	63	63	50	50	37	37

Half dozen in a box.

Tinners' Rivet Sets and Headers



No. 134

Hammer Forged of good quality crucible steel. Properly tempered.
No raw edges.

No.....	00	0	1	2	3	4	5	6	7	8
For Rivets, pounds.....	14	10-12	8	6	5	3	2	$1\frac{1}{2}$	$1\frac{1}{4}$	12 oz.
List each.....	75c	75	63	63	50	50	37	37	32	32

Half dozen in a box.

Tinners' Ring Scratch Awls



No. 136

Forged of Steel, 7 inches long.

List per dozen.....	\$2 00
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One dozen in a box.

Star Drills

For Brick, Concrete or Stone



No. 150

Hammer forged from a high grade of Octagon Crucible Steel. Milled relieved cutting edge to prevent choking. Not blunt nor stubby. Properly tempered, neither too hard nor too soft.

Face	3/8	1/2	5/8	3/4	7/8	1 in.
12 in., per dozen	\$ 8 50	10 00	12 00	14 00	16 00	18 00
18 " "	11 00	12 50	15 00	17 50	20 00	22 50
24 " "	13 50	15 00	17 50	20 00	22 50	25 00
Face	1 1-8	1 1-4	1 1-2	1 3-4	2	
12 " "	20 00	22 00	30 00	40 00	50 00	
18 " "	25 00	27 50	36 00	48 00	60 00	
24 " "	27 50	30 00	42 00	54 00	66 00	

1/4 to 3/8 inch, 1 dozen in a box; 3/4 inch, 1/2 dozen in a box; 7/8 to 1 inch, 1/2 dozen in a box; 1 1/8 to 2 inch, 1/12 dozen in a package.

Long Brick Chisels

For Cutting Through Brick Walls

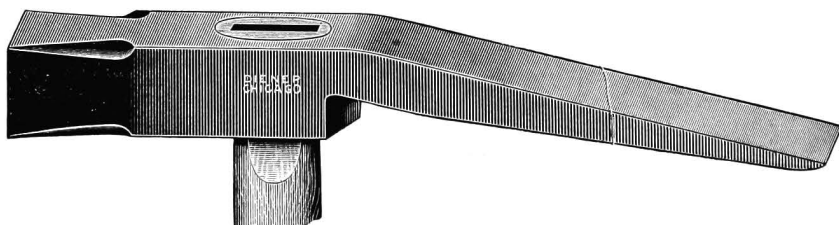


No. 152

Hammer forged of a high grade of Octagon Crucible Steel, properly tempered. Blade is forged wider than shank to prevent choking up. Order by length of chisel.

Length, inches	15	18	24	30
Size of steel, inches	5/8	3/4	7/8	1
List per dozen	\$ 6 00	9 00	16 00	24 00

Bricklayers' Hammers



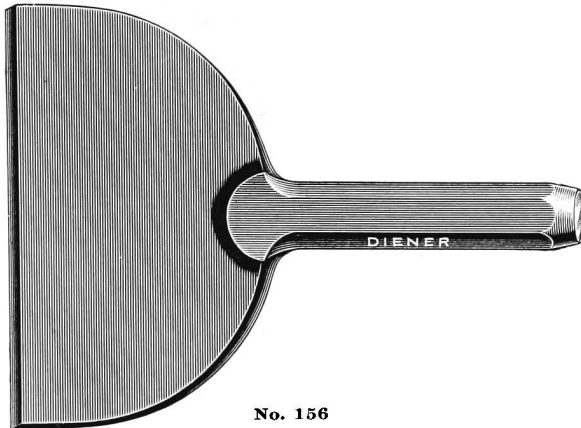
No. 154

Hammer forged of Crucible Steel, properly shaped and tempered.

List per dozen, ~~\$13.00~~ \$15.00

Brick Sets

Oil Finished, Turned Heads



No. 156

Hand forged of best quality crucible steel, forged, as you will note in illustration, with shank low down over blade, providing a good finger hold on the tool, a feature a good mechanic will appreciate.

Width, about 4½ inches. Half dozen in a box.

List per dozen, \$13 00

Bricklayers' Jointers



No. 158

Small end 5/16 in. diameter, large end ½ in. diameter.
Forged of good quality tool steel. Half dozen in a box.

List per dozen. \$7 00

Masons' Jointers



No. 160

Forged of good quality tool steel. Half dozen in a box.

	Convex.	Concave.	V-shaped.
3/16 x ¼ inch.....	\$6 50	\$7 00	\$8 00
5/16 x ⅜ inch.....	7 50	8 00	9 00
7/16 x ½ inch.....	8 50	9 00	10 00

Center Punches



No. 170

Forged of fine Octagon Crucible Steel.

Size of Octagon Steel, inch	3/8	1/2	5/8
Length, inch.....	4	4 1/2	4 1/2
List per dozen	\$2 20	3 00	4 00

One dozen in a box.

Prick Punches



No. 172

Forged of 5/16-inch Octagon Steel; length, 5 inches.

List per dozen	\$2 00
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One dozen in box.

Nail Sets—Cuped Points



No. 174

Forged of fine Crucible Steel, properly tempered. Must not be compared with machine-made sets.

Size of Octagon Steel, inch.....	3/8	1/2	5/8	3/4
Size of points, inch.....	1/8	5/32	3/16	1/4
Number in box.....	12	12	6	6
List per dozen.....	\$2 20	3 00	4 00	5 00

Screw Driver Bits



No. 176

Forged from toughest steel obtainable, carefully tempered.

List per dozen	5/16 \$2 50	3/8 2 50	1/2 in. 3 00
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One dozen in box.

Knurled Center Punches



No. 180

Made of first quality tool steel. Every one is tested. Four inches long.

Size.....	5/16	3/8	1/2 inch
List per dozen.....	\$1 25	1 60	3 25

Knurled Prick Punches



No. 181

Made of the finest quality of tool steel.

5/16-inch.....	per dozen, \$1 25	3/8-inch.....	per dozen, \$1 60
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Knurled Cuped Nail Sets

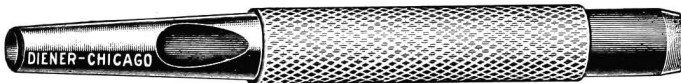


No. 182

Made of first quality steel.

3/8-inch stock. 2/32, 3/32, 4/32, 5/32-inch points.....	per dozen, \$1 70
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Knurled Belt Punches



No. 183

Forged of fine tool steel. Clearance hole allows pads to pass through freely. Every one warranted perfect.

No.	1	2	3	4	5	6	7
Size	3/32	7/64	9/64	5/32	11/64	3/16	13/64
List per dozen	\$2 10	2 10	2 10	2 10	2 50	3 00	4 00
No.	8	9	10	11	12	13	14
Size	7/32	15/64	1/4	17/64	9/32	5/16	3/8
List per dozen	\$4 40	4 60	4 80	5 00	5 20	5 40	5 60

Packed one dozen in box.

Carpenters' Claw and Pinch Bars

Guaranteed to be **hammer forged** from **good octagon tool steel** and **not** from cold rolled steel (a soft and cheaper product).
Properly forged, shaped, ground and tempered.

Claw and Bent Chisel End



No. 200

Claw and Straight Chisel End



No. 201

Claw and Taper Round End



No. 202

Bent Chisel and Taper Round End



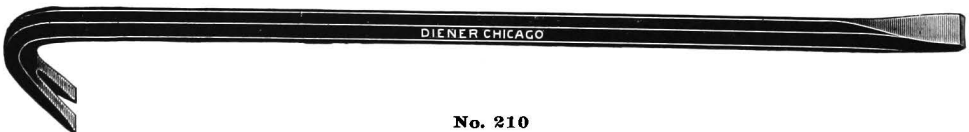
No. 203

Length, Inches.....	18	21	24	30	36
Size of Octagon.....	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{7}{8}$
List per dozen.....	\$9.00	10.50	13.00	16.00	22.00

Compound Lever Bar

Hammer forged of **tool steel** as bars above.

With this bar one can draw an 8-inch spike. A hammer can be used to drive the claw under nails or boards. The advantages of this bar can readily be seen in the cut below.



No. 210

Length, Inches.....	18	21	24	30	36
Size of Octagon.....	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{7}{8}$
List per dozen.....	\$10.00	12.00	15.00	18.00	24.00

Carpenters' Claw Bars



No. 220

Pinch Bars



No. 221

Made of a good quality of steel, properly forged and tempered.

3/4-inch x 36 inches.....	List per dozen \$18.00
7/8 " x 48 ".....	24.00

Box Chisels

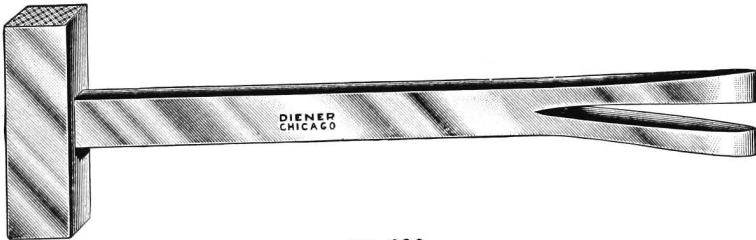


No. 224

Forged of high grade 3/4-inch round tool steel. Properly forged and tempered. Will cut wire nails.

Length, inches.....	12	15	18	24	30
List per dozen.....	\$8 00	9 50	11 00	13 00	18 00

Crate Openers



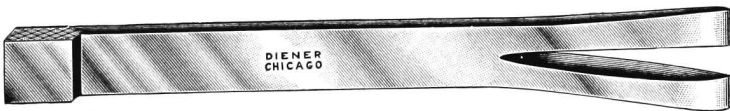
No. 226

Forged of good quality steel. Nickel plated. Warranted.

Length 9 inches. Weight 12 oz.....List per dozen, \$9 00

Half dozen in a box.

Berry Box Openers



No. 228

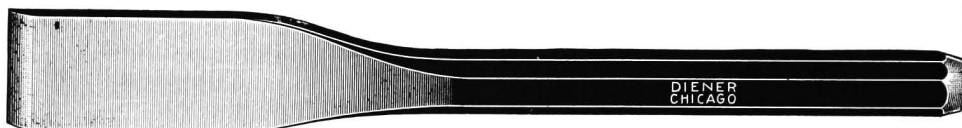
Forged in one piece, from good quality steel. Nickel plated.

Length 8 inches. Weight 9 oz.....List per dozen, \$8 00

Half dozen in a box.

Plumbers' Chisels

For Wood



No. 230

Hammer forged from a high-grade crucible steel, properly forged and tempered.

Order by Width of Cut.

Size of Cut	Size of Shank	Length	Packed in Box	List per Doz.
1 3/4 inch	1/2	10 inches	1 dozen	\$5 00
1 inch	5/8	12 inches	1 dozen	6 00
1 1/4 inch	5/8	12 inches	1/2 dozen	8 00
1 1/2 inch	3/4	12 inches	1/2 dozen	10 00
1 3/4 inch	3/4	12 inches	1/4 dozen	11 00
2 inch	3/4	12 inches	1/4 dozen	12 00

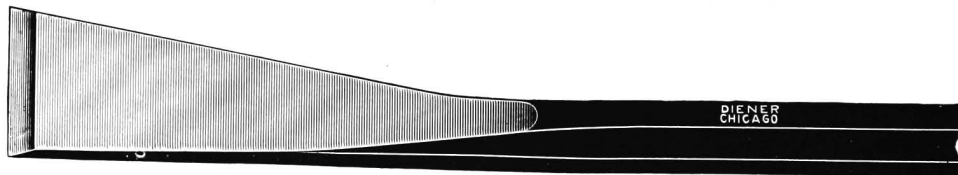
Plumbers' Gouges



No. 232

Size of Cut	Length	Packed in Box	List per Doz.
3/4 inch	12 inches	1/2 dozen	\$8 00
1 inch	12 inches	1/2 dozen	10 00

Ripping Chisels



No. 236

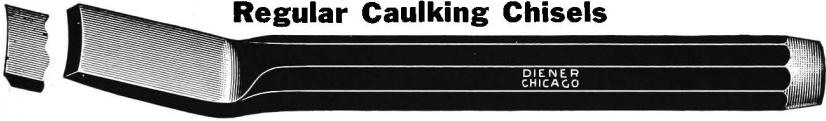
Hammer forged of crucible steel, guaranteed to stand rough usage. Used for ripping out partitions, tearing up floors, etc.

18 inches long. 3/4 octagon steel.....List per dozen, ~~\$12 00~~ **\$15.00**

Plumbers' Caulking Tools

Hammer forged of high-grade octagon crucible steel. Properly shaped and tempered.

Regular Caulking Chisels



Out-end.	In-end.	No. 250 In-end.	No. 251 Out-end	List per doz.
In-end, $\frac{5}{8}$ in. octagon steel.	Ends $\frac{1}{8}$ to $\frac{1}{4}$ in thick, width $\frac{3}{4}$ to 1 in.			\$4.00
Out-end, $\frac{5}{8}$ in. octagon steel.	Ends $\frac{1}{8}$ to $\frac{1}{4}$ in thick, width $\frac{3}{4}$ to 1 in.			4.00

Yarning Chisels



No. 252

$\frac{1}{2}$ -in. octagon steel.	6-in. blade.....	List per doz.,	\$5.00
$\frac{1}{2}$ -in. octagon steel.	8-in. blade.....	" "	6.00
$\frac{5}{8}$ -in. octagon steel.	10-in. blade.....	" "	7.00
$\frac{3}{4}$ -in. octagon steel.	12-in. blade.....	" "	8.00

Spring Packing Chisel



No. 254.

$\frac{1}{2}$ -in. octagon steel.	6-in. blade.....	List per doz.,	\$5.00
$\frac{1}{2}$ -in. octagon steel.	8-in. blade.....	" "	6.00
$\frac{5}{8}$ -in. octagon steel.	10-in. blade.....	" "	7.00
$\frac{3}{4}$ -in. octagon steel.	12-in. blade.....	" "	8.00

Gasket Chisel



Short Gasket

No. 255

List per doz.

$\frac{5}{8}$ -in. oct. steel.	Length of face 1 in.	Width $\frac{3}{4}$ in.	Thickness 5-16 in.,	\$4.00
$\frac{3}{4}$ -in. oct. steel.	Length of face 1 in.	Width $\frac{7}{8}$ in.	Thickness $\frac{1}{4}$ in.,	6.00
$\frac{7}{8}$ -in. oct. steel.	Length of face 1 in.	Width 1 in.	Thickness $\frac{3}{8}$ in.,	8.00
1-in. oct. steel.	Length of face 1 in.	Width 1 in.	Thickness $\frac{1}{2}$ in.,	10.00

Long Gasket

No. 256

List per doz.

$\frac{5}{8}$ -in. oct. steel.	Length of face 3 in.	Width $\frac{3}{4}$ in.	Thickness 5-16 in.,	\$5.00
$\frac{3}{4}$ -in. oct. steel.	Length of face 3 in.	Width $\frac{7}{8}$ in.	Thickness $\frac{1}{4}$ in.,	7.00
$\frac{7}{8}$ -in. oct. steel.	Length of face 3 in.	Width 1 in.	Thickness $\frac{3}{8}$ in.,	9.00
1-in. oct. steel.	Length of face 3 in.	Width 1 in.	Thickness $\frac{1}{2}$ in.,	11.00

Plumbers' Caulking Tools

Extra Short Gasket Chisel



No. 257

$\frac{1}{2}$ -inch octagon steel.....	List per dozen, \$3.75
$\frac{3}{8}$ -inch octagon steel.....	“ “ 4.00

Stub End Caulking Chisel



No. 258

$\frac{5}{8}$ -inch octagon steel.....	List per dozen, \$4.00
$\frac{3}{4}$ -inch octagon steel.....	“ “ 6.00

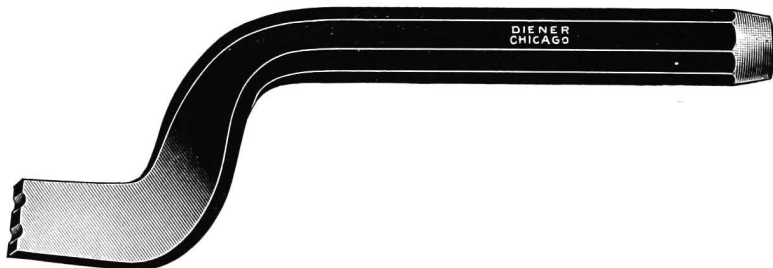


No. 259. No. 260

Gasket Chisel—Extra Offset

		List per doz.
No. 259.	Right hand.	$\frac{5}{8}$ -inch oct. steel, \$6.00
	Right hand.	$\frac{3}{4}$ -inch oct. steel, 8.00
No. 260.	Left hand.	$\frac{5}{8}$ -inch oct. steel, 6.00
	Left hand.	$\frac{3}{4}$ -inch oct. steel, 8.00

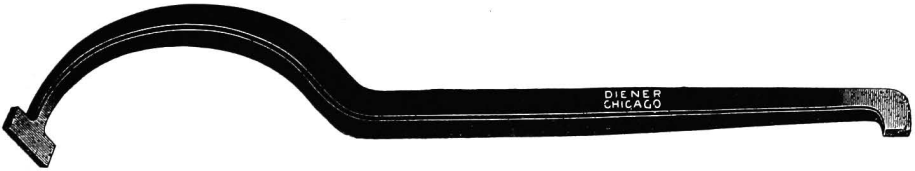
Single Right and Left Caulking Chisel—Extra Offset



No. 261

$\frac{5}{8}$ -inch octagon steel.....	List per dozen, \$5.00
$\frac{3}{4}$ -inch octagon steel.....	“ “ 7.00

Combination Right and Left Tool



No. 262

With this tool one can get in any corner where neither the straight nor the upright caulking tool can be used. Forged of $\frac{3}{4}$ -inch square high grade tool steel.

Length 15 inches. Weight $2\frac{1}{4}$ pounds.....List per dozen, **\$24.00**

Bending Irons



No. 263. No. 264

				List per dozen
No. 263.	Heavy pattern.	$\frac{5}{8}$ -inch round steel.	12 inches long.....	\$5.00
No. 264.	Light pattern.	$\frac{1}{2}$ -inch round steel.	11 inches long.....	4.00

Ceiling Drop Caulking Tool



No. 266

Design for use where joints are close to ceiling.

$\frac{3}{4}$ -inch octagon steel.	Length 11 inches.....	List per dozen, \$18.00
$\frac{5}{8}$ -inch octagon steel.	Length 10 inches.....	15.00

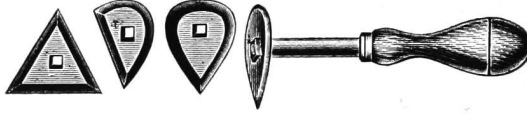
Pot Hooks

No. 268

Made of $\frac{1}{2}$ -round soft steel rod, 15 inches long.

List per dozen, **\$2 00**

Shave Hooks or Plumbers' Scrapers



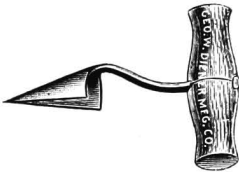
No. 300

These are made so that the blade can be taken off or put on by means of a set screw.

With either No. 1, 2 or 3 blade Per dozen, \$4 00

No. 1 oval, No. 2 half oval, No. 3 triangle blades..... 2 00

Half dozen in a box.



No. 302

Tap Borers

Regular pattern..... Per dozen, \$4 00

Half dozen in box.

Pipe Bending Springs



No. 304

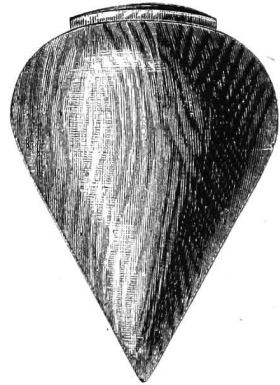
Size, inches.....	1	1 1/4	1 1/2	2
Per dozen.....	\$7 50	9 50	12 00	14 00

Plumbers' Turn Pins

Made of Lignum-Vitæ wood.

Size, inches.....	2 1/4	2 1/2	2 3/4
Per dozen	\$3 50	3 75	4 00

One dozen in box.



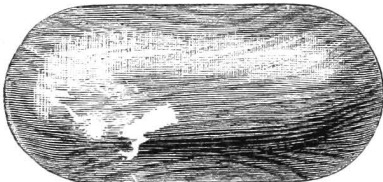
No. 306

Drift Plugs

Made of Lignum-Vitæ wood.

Size, inches....	1	1 1/4	1 1/2	2
List per doz.,	\$2 00	2 10	2 20	2 40

One dozen in box.



No. 308

Wrought Steel Ladles



No. 310

Solid forged, extra deep, with two lips.

Size, inches	2½	3	3½	4	5	6
Price, per dozen.....	\$3 00	3 50	4 00	5 00	7 50	8 50

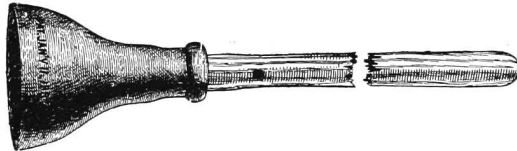
Melting Pots



No. 312

Diameter on top, inches.....	5	6	8	10½	13½
Price, each.....	\$0 40	0 50	0 80	1 50	3 00

Plumber's Force Cups



No. 314

Made of tough and springy rubber. Are invaluable for cleaning out closets, bowls, sinks, etc. Length 4 feet, weight less than 2 pounds.
Made with valve in cup or handle.

Price per dozen, \$9 00

Spring Steel Sewer Rod

No. 316

Warranted spring steel. Uncoils and coils like a clock spring.

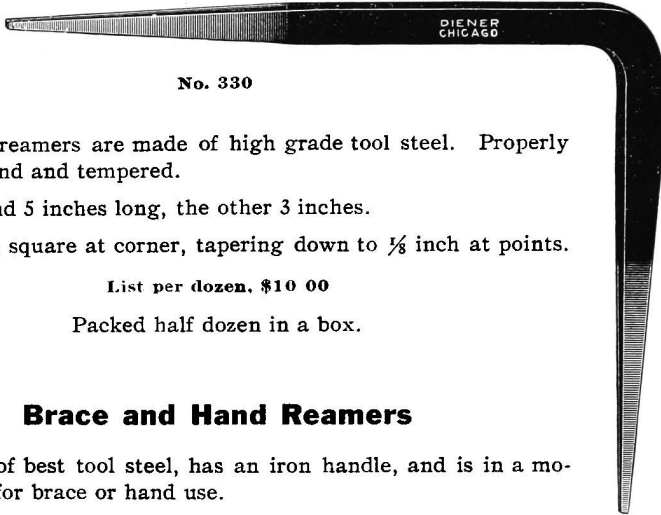
Length, feet.....	25	50	75	100
Width, inches.....	1¼	1¼	1½	1½
Approx. weight, pounds.....	15	30	50	65
List.....	\$2 50	5 00	7 50	10 00

Wiping Cloths

No. 320

Finest moleskin, inches.....	2½ x 2½	3 x 3	4 x 4
Per dozen	\$3 75	4 00	5 75
Smooth Soft Ticking.....	2 00	2 25	2 50
One dozen in bundle.			

Angle Hand Reamers



No. 330

These reamers are made of high grade tool steel. Properly forged, ground and tempered.

One end 5 inches long, the other 3 inches.

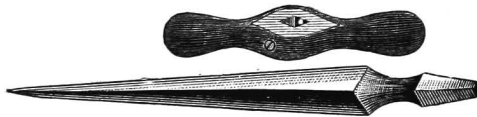
$\frac{1}{2}$ inch square at corner, tapering down to $\frac{1}{8}$ inch at points.

List per dozen, \$10 00

Packed half dozen in a box.

Brace and Hand Reamers

Made of best tool steel, has an iron handle, and is in a moment ready for brace or hand use.



No. 332

7-inch capacity to $\frac{3}{4}$ -inch hole.....	Per dozen, \$12 00
5-inch capacity to $\frac{5}{8}$ -inch hole.....	9 00

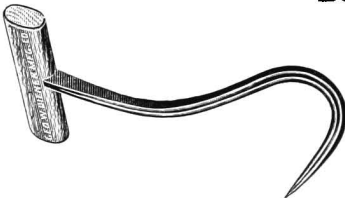
Reamers Only

No. 334

7 inches.....	Per dozen, \$8 00	5 inches	Per dozen, \$5 75
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One dozen in a box.

Box Hooks



No. 340

Made of 7/16-inch **octagon tool steel**, long tapered points, hickory handles, steel shank is riveted onto handle. A hook that will stand hard usage.

	List per doz.
No. 15. 15 inches long under handle ...	\$10 00
No. 12. 12 inches long under handle ...	9 00
No. 9. 9 inches long under handle ...	8 00

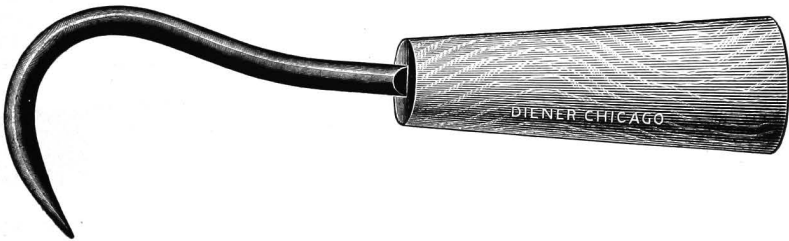
Hay Hooks

No. 342

7/16-inch round steel, riveted through hickory handle.

No. 8. 8 inches long under handle	List per dozen, \$4 00
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Meat Selecting Hooks



No. 344

Made of 5/16-inch round steel with 5-inch wood handle.

Length over all, 9 inches	List per dozen, \$4 00
Length over all, 12 inches	" " 4 25

Boning Hooks

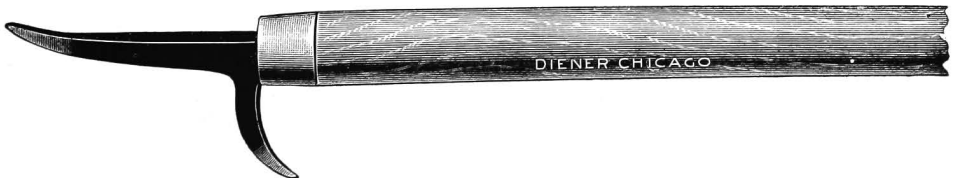


No. 346

5/16-inch round tool steel, 5 inches over all.

List per dozen, \$4 00

Barrel Sticks



No. 348

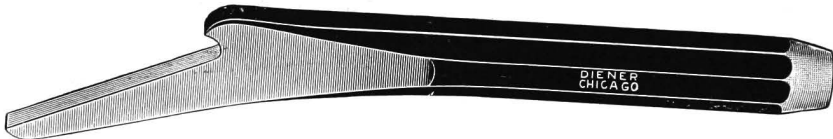
Forged of steel, hook and point in one piece. Full length 38 inches.

List per dozen, \$8 00

Iron Workers' Tools

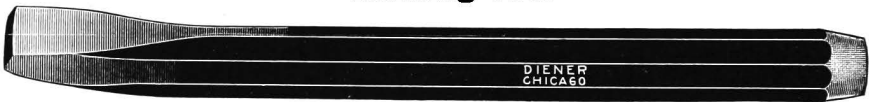
Hammer forged of crucible steel. Properly shaped and tempered.

Beading Tool



$\frac{3}{4}$ -inch octagon steel, 8 inches long.....List per dozen, **\$9.00**

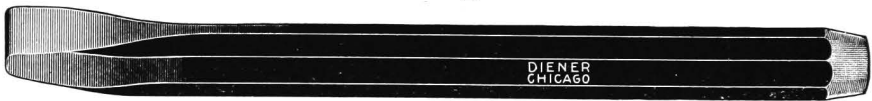
Caulking Tool



No. 1

$\frac{3}{4}$ -inch octagon steel, 8 inches long.....List per dozen, **\$7.20**

Caulking Tool



No. 2

$\frac{3}{4}$ -inch octagon steel, 8 inches long.....List per dozen, **\$7.20**

Marking Punches



For Rivets $\frac{1}{4}$, $\frac{3}{8}$ -inch diameter, 6 inches long.....	List per dozen, \$8.00
For Rivets $\frac{1}{2}$, $\frac{3}{8}$ -inch diameter, 6 inches long.....	“ “ 10.00
For Rivets $\frac{3}{4}$, $\frac{7}{8}$ -inch diameter, 6 inches long.....	“ “ 12.00

Drift Pins



For Rivets $\frac{1}{2}$, $\frac{5}{8}$ -inch diameter, 7 inches long.....	List per dozen, \$3.00
For Rivets $\frac{3}{4}$, $\frac{7}{8}$ -inch diameter, 7 inches long.....	“ “ 3.60
For Rivets 1-inch diameter, 7 inches long.....	“ “ 4.20

These hammers are hand forged (not squeezed) from crucible bar steel, properly shaped and finished. Fully warranted. Best grade of hickory handles are used. Note the extra long ends on our setting hammers, to enable workmen getting into any corners.

Weight does not include handle.			
No. 1.	1½-inch face, 22 ounces, setting or riveting.....	Each.....	\$1.50
No. 2.	1 -inch face, 28 ounces, setting or riveting.....	".....	1.25
No. 3.	¾-inch face, 14 ounces, setting or riveting.....	".....	1.00
No. 4.	¾-inch face, 11 ounces, setting or riveting.....	".....	85

Cutters, 6-inch.....	Price, \$1 75	Extra jaws	Per pair, \$0 50
Cutters, 8-inch.....	2 00	Extra jaws	55
Cutters, 10-inch.....	2 25	Extra jaws	60
Cutters, 12-inch.....	2 60	Extra jaws	65
Cutters, 14-inch.....	3 00	Extra jaws	70

Sharp point	2	3	4	5	6	8	10 pounds per pair
Flat point				4	5	6	8 pounds per pair
Square point					10	12	14 pounds per pair
Price per pound, \$0 40							

Wiss Forged Steel Tinner Snips

Steel Laid Blades

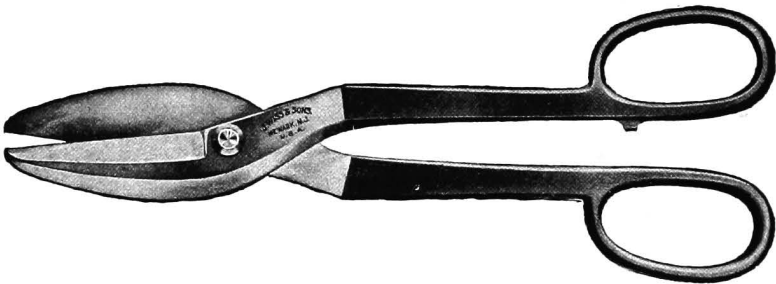
The Best by test. Will snip the head of a nail and then cut the thinnest tissue.

The frames of the Wiss Snip are made entirely of Forged Steel. On the inside of the blades a piece of the finest Crucible Steel is welded, giving the Wiss Snip a perfect cutting edge. Being perfectly tempered they will stand the roughest of work, and the edges will not break or chew.

The blades are perfectly shaped and will not give at the points. The handles are made to fit the hand and will not tire the workman's hand even after continuous use.

Every Wiss Snip is thoroughly tested and finished so that it is at once recognized by mechanics as a high grade tool.

Regular Pattern



Number	Full Length	Length of Cut	Price per Pair
12	8 in.	2 in.	\$1 00
11	9½ in.	2¼ in.	1 20
10	11½ in.	2½ in.	1 40
9	12½ in.	3 in.	1 50
8	13¾ in.	3½ in.	2 00
7	14½ in.	4 in.	2 50
6 1/2	15¾ in.	4½ in.	3 00

DISCOUNT.....

Pipe Snips



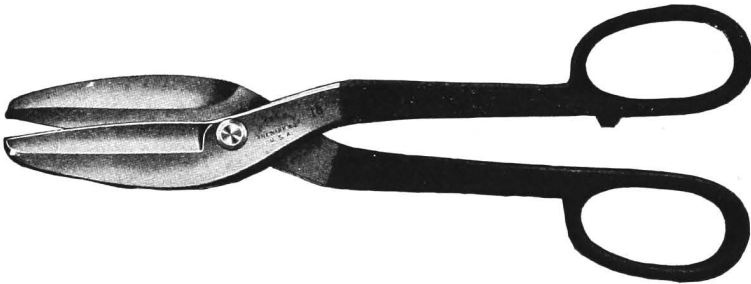
These Snips will work more satisfactorily than any other made, having many improvements over other makes. Is a High Grade Tool.

List \$3 00

Wiss Forged Steel Tinner Snips

Steel Laid Blades

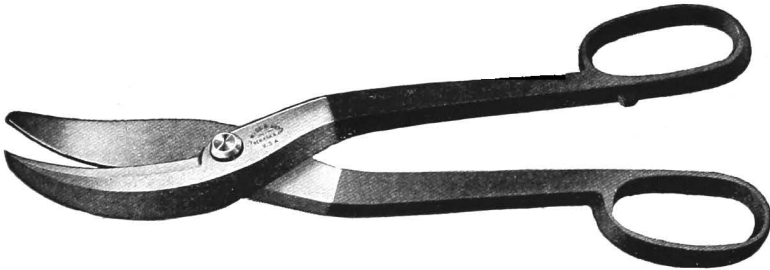
New Combination Pattern



These Snips are made with straight blades, but the jaws are ground and shaped in such a manner that they can be used as readily for cutting curves and irregular shapes as for straight work, thus combining all the advantages of both the circular and straight snip in one tool.

Number	Full Length	Length of Cut	Price per Pair
19	12½ in.	3 in.	\$2 00
18	13½ in.	3½ in.	2 50
17	14½ in.	4 in.	3 00

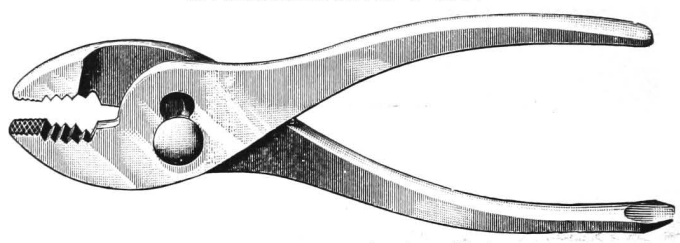
Circular Blade Snips



Number	Full Length	Length of Cut	Price per Pair
10 circular	11½ in.	2½ in.	\$2 25
9 circular	12½ in.	3 in.	2 50
8 circular	13½ in.	3½ in.	3 00
7 circular	14½ in.	4 in.	3 50
6 1/2 circular	15½ in.	4½ in.	4 25

DISCOUNT:.....

Combination Plier



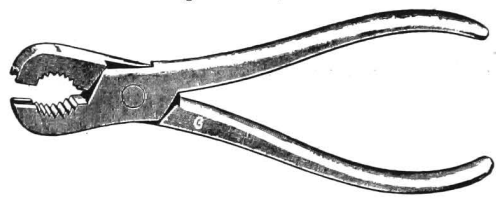
Drop forged of best tool steel. Joint is milled

6-inch, black	Per dozen, \$13 50	6-inch, plated	Per dozen, \$15 00
8-inch, black	16 50	8-inch, plated	18 00
10-inch, black	18 00	10 inch, plated	21 00

Every plier guaranteed in every respect.

Burner Pliers

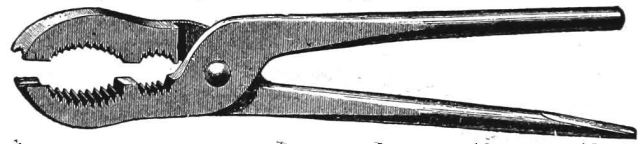
Forged steel, blued.



Size, inches	5	6
Price, per dozen	\$5 00	6 00

Gas Pliers

Forged from good tool steel, polished. Warranted.



Size, inches	7	8	10	12	14
Price, per dozen	\$7 40	8 25	10 70	13 00	17 00

Packed half dozen in box.

Flat or Round Nose Pliers



Prices for flat or round nose pliers. Cast steel, forged, oil finish, polished jaws.

Inches	4 1/2	5	6	7
Price, per dozen	\$3 50	4 00	4 50	6 00

