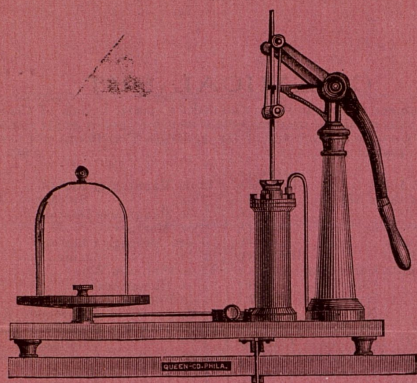


47-M-64



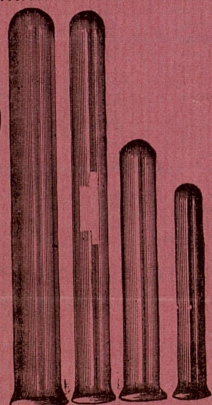
Lever Air-Pump. Barrel of brass, seven and a half inches long, and two inches in diameter. Plate of brass, eight inches in diameter; with guard-screw, stop-cock, and half-gallon bell-glass receiver. Base and pillar of polished walnut. \$40.00



No. 2340.



No. 2700.



No. 2150.



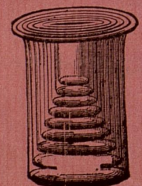
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No. 2300.



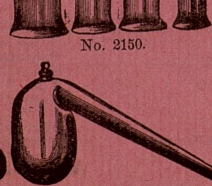
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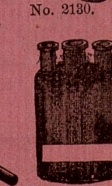
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No. 2010.

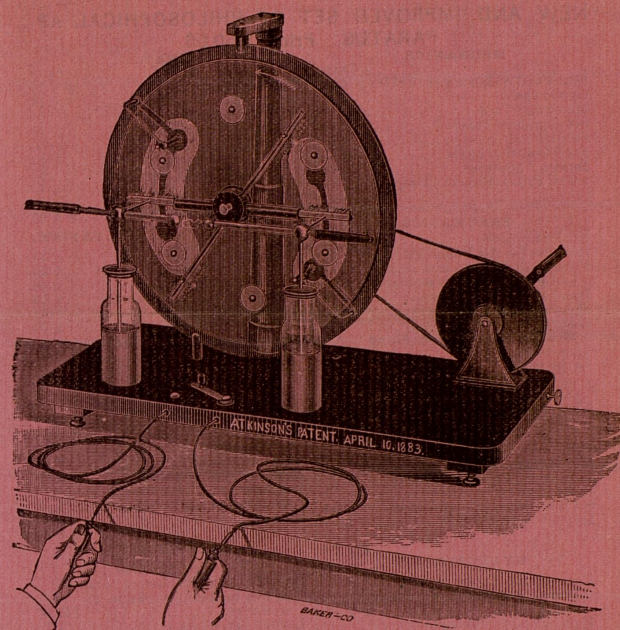


No. 2120.



No. 2320.

Address— **W. A. OLMSTED, 182 Wabash Ave., Chicago.**



IMPROVED TOEPLER ELECTRIC MACHINE.

THIS machine generates Static Electricity by friction, induction and transfer, acting in union. It is especially adapted to experimental work in the school-room and laboratory, as it remains in practical working order under the most unfavorable atmospheric conditions. Its action is automatic, instantaneous, and constant, requiring no initial charge. Its Special features are two plates of glass, one stationary and one revolving; the latter carrying six metal discs, brought into contact with four wire brushes, and acting by induction and transfer on a series of discs and connectors; two pairs of combs; two Leyden jars; two sliding thence to a small pulley for speed. The driving wheel has a special contrivance for tightening the belt. The outside coatings of the Leyden jars are of nickel-plated sheet brass, screwed firmly to the base and connecting with the switch. The brush-holders and the stationary plate pass through it, affording a direct path to the electricity, and avoiding the loss by clamps or ears on its edge. The plates are firmly clamped, and cannot get out of position. The discs on the revolving plate are of brass, nickel-plated, and not liable to become defaced like tin-foil. The Switch is an entirely new feature of the highest importance, as it brings into practical use the induced current between the jars, giving the Faradic effect, and also showing the induced spark simultaneously with the direct spark. The display at night is of unsurpassed beauty; brushes and pencils of light stream and flash from every part; sparks seven inches long, dart between the electrodes like miniature chain lightning; while at every flash the rapidly moving discs on the revolving plate stand out as perfect pin form as if motionless, thus proving that the spark is absolutely instantaneous.

PRICES.

With Glass Plate, 12 and 14 inch. diam., respectively,	\$40 00	With Glass Plate, 25 and 29 inch. diam., respectively,	\$150 00
With Glass Plate, 16 and 18 inch. diam., respectively,	70 00	Special Apparatus for Illustration Furnished to Order.	

Address,

W. A. OLMSTED,

182 Wabash Ave., Chicago.

NEW AND IMPROVED SET OF PHILOSOPHICAL APPARATUS. Price, \$150.00.

MECHANICS.	Price.	HEAT.	Price
Scales and Weights, $\frac{1}{2}$ oz. to 25 lbs. \$ 3 00		Ball and Ring.....	\$ 1 75
Gyroscope.....	2 50	Pulse Glass, Franklin's.....	75
Meter and Yard.....	50	Air Thermometer.....	25
Set Capillary Tubes.....	1 25	Mercurial Thermometer.....	50
Centrifugal Hoop.....	3 50	Spirit Lamp.....	50
Set 5 Collision Balls.....	4 50	Compound Bar.....	1 50
Inertia Apparatus.....	1 00	$\frac{1}{2}$ lb. Glass Tubing, assorted.....	30
1 doz. Prince Rupert's Drops.....	50	Glass Flask.....	40

PNEUMATICS.	Price.	MAGNETISM AND GALVANISM.	Price
Air Pump, best.....	\$40 00	Geissler Tube.....	\$ 75
Receiver for Air Pump, gal.....	1 50	" " Larger.....	1 50
Fountain in Vacuo and Guinea and Feather Tube, combined.....	6 00	Grenet Battery, quart.....	4 50
Hand and Bladder Glass.....	1 00	Induction Coil (Ruhmkorff).....	8 00
Magdeburg Hemispheres.....	6 50	Horseshoe Magnet.....	60
Barometer Tube, Glass Cup, and Mercury Pipette for filling above.....	2 00	Magnetic Needle.....	2 00
Bottle of Oil.....	50	Electro Magnet supporting from 10 to 20 pounds.....	1 50
1 sq. foot of Sheet Rubber for experiments.....	50	Bar Magnet.....	50
3 Bursting Squares.....	60		\$19 35

OPTICS.	Price.	ACOUSTICS.	Price
Microscope.....	\$ 5 00	Tuning Fork.....	\$ 50
Concave and Convex Mirrors.....	3 00	Brass Plate and Holder for acoustic (or chladni) figures.....	4 50
Prism, Solid Flint Glass.....	2 50	Bow, to cause Vibration.....	2 00
Set Six Demonstration Lenses.....	2 50	Diapason, small, for tracing Vibrations on smoked glass.....	1 50
Iceland Spar, Section.....	1 00		\$ 8 50

HYDROSTATICS.	Price.	ELECTRICITY.	Price
Equilibrium Tubes, Set of Six Forms, Base of Tin, neatly japanned.....	\$ 3 50	Toepler Electrical Machine, giving brilliant discharges three to five in. long, works in all weathers.....	\$40 00
Hydrometer for taking the Specific Gravity of Liquids.....	50	Leyden Jar, quart.....	1 50
Hydrometer Jar.....	50	Set Electrical Bells and Standard Electrical Discharger, with Rubber Handle.....	2 25
Bottle Imp. and Bottle.....	1 00	Pair of Image Plates.....	1 50
Siphon, Glass.....	40	Pair of Images.....	75
Water Hammer.....	1 00	Brass Chain.....	15
Lifting Pump, all of Glass, with Conical Valves.....	2 00	Insulated Wire.....	15
Forcing Pump, all of Glass, with Conical Valves.....	2 50	Glass Friction Rod.....	20
		Stick Sealing Wax.....	08

Mechanics.....	\$11 40		\$50 83
Pneumatics.....			
Optics.....			
Magnetism and Galvanism.....			
Heat.....			
Static Electricity.....			
Hydrostatics.....			
Acoustics.....			

Boxing and Packing.....	\$183 38
Total.....	3 50

Total.....	\$186 88
Net Price per set, complete.....	150 00
Every article fully warranted	

W. A. OLMSTED, 182 Wabash Ave., Chicago, Ill.

CHEMICAL SET.

We recommend this set to those who make a special branch of Chemistry. It contains salts of all the most important elements, and is amply sufficient to accompany a course through any of the Academic Text-Books on Chemistry. Price, complete.....\$25.00

SYMBOLS.	SYMBOLS.
$\frac{1}{2}$ lb. Acetic Acid..... $\text{HC}_2\text{H}_3\text{O}_2$	12 in. Magnesium Ribbon..... Mg
1 " Hydrochloric Acid..... HCl	2 oz. " Sulphate..... MgSO_4
1 " Nitric "..... HNO_3	$\frac{1}{2}$ lb. Manganese Dioxide..... MnO_2
1 oz. Oxalic "..... $\text{H}_2\text{C}_2\text{O}_4$	2 oz. Mercury..... Hg
2 lbs. Sulphuric "..... H_2SO_4	2 drs. Mercuric Chloride..... HgCl_2
1 oz. Tartaric "..... $\text{H}_2\text{C}_4\text{H}_4\text{O}_6$	2 " " Oxide..... HgO
1 " Ammonium Carbonate..... Am_2CO_3	12 in. Platinum Wire..... Pt
2 " " Chloride..... AmCl	$\frac{1}{2}$ oz. Phosphorus..... P
$\frac{1}{2}$ lb. " Hydrate..... AmHO	$\frac{1}{2}$ dr. Potassium (metallic)..... K
1 oz. " Nitrate..... AmNO_3	$\frac{1}{2}$ lb. " Bichromate..... $\text{K}_2\text{Cr}_2\text{O}_7$
1 " " Sulphide..... AmHS	2 " " Carbonate..... K_2CO_3
$\frac{1}{2}$ pt. Alcohol..... $\text{C}_2\text{H}_5\text{HO}$	$\frac{1}{2}$ " " Chlorate..... KClO_3
2 oz. Alum..... $\text{Al}_2\text{SO}_4\text{Am}_2\text{SO}_4\cdot 24\text{H}_2\text{O}$	1 oz. " Chromate..... K_2CrO_4
2 " Animal Charcoal..... C	$\frac{1}{2}$ " " Cyanide..... KCyan
1 " Antimony..... Sb	1 " " Ferricyanide..... KFeCy_2
1 " Arsenious Anhydride..... As_2O_3	2 " " Ferrocyanide..... KFeCy_6
1 " Barium Chloride..... BaCl_2	1 " " Hydrate..... KHO
1 " " Nitrate..... Ba_2NO_3	1 dr. " Iodide..... KI
$\frac{1}{2}$ lb. Borax..... $2\text{NaBO}_3\cdot 10\text{H}_2\text{O}$	2 oz. " Nitrate..... KNO_3
$\frac{1}{2}$ lb. Calcium Carbonate..... CaCO_3	2 drs. " Permanganate..... KMnO_4
2 oz. " Chloride..... CaCl_2	1 oz. " Sulphate..... K_2SO_4
2 " " Fluoride..... CaF_2	1 dr. Silver Nitrate..... AgNO_3
$\frac{1}{2}$ lb. " Sulphate..... CaSO_4	1 " Sodium (metallic)..... Na
1 oz. Carbon Bisulphide..... CS_2	$\frac{1}{2}$ oz. " Acetate..... $\text{NaC}_2\text{H}_3\text{O}_2$
1 " Cobalt Nitrate..... Co_2NO_3	2 " " Carbonate..... Na_2CO_3
4 " Copper Sulphate..... CuSO_4	1 " " Hydrate..... NaHO
2 " Ether..... $\text{C}_2\text{H}_5\text{O}$	2 " " Hyposulphite..... $\text{Na}_2\text{S}_2\text{O}_4$
1 " Ferrous Sulphate..... FeSO_4	2 " " Sulphate..... Na_2SO_4
2 " " Sulphide..... FeS	1 dr. Strontium Chloride..... SrCl_2
2 drs. Gall Nuts..... $\text{C}_5\text{H}_2\text{NO}_5$	1 " " Nitrate..... SrNO_3
1 " Gun Cotton..... $\text{C}_5\text{H}_2\text{NO}_5$	$\frac{1}{2}$ lb. Sulphur..... S
1 " Iodine..... I	2 drs. Litmus (ber. cubes).....
1 oz. Lead Acetate..... $\text{Pb(C}_2\text{H}_3\text{O}_2)_2$	
2 " " Carbonate..... PbCO_3	
2 " " Monoxide..... PbO	

CHEMICAL APPARATUS.

Beakers (nest of 4).	1 gal. Gas-bag and Stopcock.
Jewellers' Blow pipe.	Lead Dish, for Hydrofluoric Acid.
5 Hessian Crucibles.	Pneumatic Trough.
Chemical Flask.	Pipette.
Deflagrating Spoon.	Retort.
Evaporating Dish.	" Stand (iron rings).
Evolution Flask, fitted with funnel and delivery tubes, complete for making Hydrogen, Carbonic Acid Gas, etc.	Rubber Tubing.
File.	Sand Bath.
$\frac{1}{4}$ gr. Filtering Paper.	Scales and Weights.
8 oz. Funnel.	Spirit Lamp.
2 oz. " "	Specie Jar for Deflagration.
Graduate.	1 doz. Test tubes.
$\frac{1}{2}$ lb. assorted Glass Tubing.	Test-tube Holder.
	" Cleaner.
	Wire Gauze.
	Mortar and Pestle.

Address—

W. A. OLMSTED,

182 Wabash Ave., Chicago.

Blair's Tablets With Illuminated Covers.

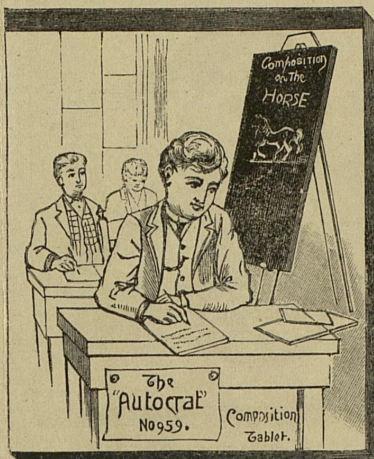
For Pen, Ink and Pencil use. The Handsomest and most Attractive Line on the Market.
New things are being added Constantly.



THE "BUTTON CHARM."

7x8½. Assorted Designs.

- | | | | |
|----------------------------------|---|---|-----|
| No. 967, Ruled, extra thick, - | - | - | 10¢ |
| No. 968, Unruled, extra thick, - | - | - | 10¢ |
| No. 965, Ruled, - | - | - | 5¢ |
| No. 966, Unruled, - | - | - | 5¢ |



THE "AUTOCRAT."

Composition Tablet. Size 7x8½ inches.

This is a new Composition Book in tablet form, of a good hard surfaced White Writing Paper, with margin line.

- | | | | |
|--------------------------|---|---|-----|
| No. 959, White, ruled, - | - | - | 10¢ |
|--------------------------|---|---|-----|

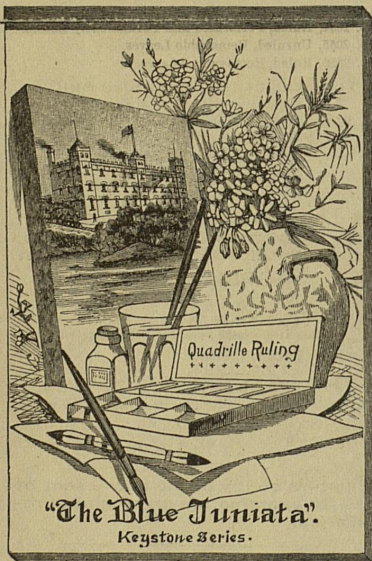


"TRY AGAIN" TABLETS.

Size 5½x7½.

The neatest five cent tablet on the market. Made of a superior quality of Writing Paper, and suitable for either pen or pencil.

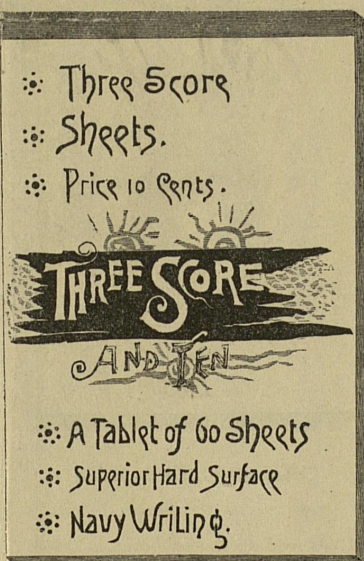
- | | |
|---|----|
| No. 1144, Ruled, removable leaves, - | 5¢ |
| No. 1143, Unruled, removable leaves, - | 5¢ |
| No. 1145, Quadrille ruling, perm'y bound, - | 5¢ |



"BLUE JUNIATA." Size 6x9.

This is a new Tablet with a handsome cover and made in 4 ways. All Quadrille ruling, and suitable for pen and ink as desired.

- | | |
|--|-----|
| No. 789, White paper, quadrille ruling, - | 5¢ |
| No. 790, Manilla writing, quadrille rlg, - | 5¢ |
| No. 791, White paper, quadrille ruling, - | 10¢ |
| No. 792, Manilla writing, quadrille rlg, - | 10¢ |



"THREE SCORE AND TEN."

Size 8x12. (Cap Size.)

The description on the cover explains it fully.

- | | | | |
|----------------------------------|---|---|-----|
| No. 1025, Sixty sheets, ruled, - | - | - | 10¢ |
|----------------------------------|---|---|-----|



"HELEN'S BABIES." Size 8x12.

This Beautiful Tablet we have Improved in Quality and Reduced in Price. Have made it of a Superior White Writing, and in 2 ways. Cap and Legal Cap Ruling. Retail at 10¢.

- | | |
|---|-----|
| No. 626, White Writing, ruled, - | 10¢ |
| No. 626, L. C., White Legal Cap, ruled, - | 10¢ |

A full stock ready to supply all demands. Your orders solicited.

[See other side.]

Blair's Handsome Tablets with Illuminated Covers.



"GOLDEN RULE."

A Very Handsome 5 Cent Tablet. In 3 ways with 4 Designs of Cover.

- | | | |
|------------------------------------|---|----|
| No. 1005, Heavy Book Paper, ruled, | - | 5¢ |
| Series B, Print Paper, ruled, | - | 5¢ |
| Series C, " " unruled, | - | 5¢ |



"BUTTER CUP."

The Largest and Handsomest of the Tablet Family.
Size 7x10½.

- | | | | | |
|--------------------------------|---|---|---|-----|
| No. 659, Ruled Paper, | - | - | - | 5¢ |
| No. 656, Unruled Paper, | - | - | - | 5¢ |
| No. 662, Ruled, (extra thick), | - | - | - | 10¢ |



"LITTLE TYCOON."

Size 7½x11 inches.

- | | | | | |
|--------------------|---|---|---|-----|
| No. 1800, Ruled, | - | - | - | 10¢ |
| No. 1801, Unruled, | - | - | - | 10¢ |



DRAWING TABLETS.

INTERLEAVED WITH TISSUE PAPER.

Handsome Lithographed Covers in Colors.

- | | | | |
|---|---|---|-----|
| No. 988, Young Artist, 6x9, | - | - | 10¢ |
| No. 989, Rembrandt, 9x12, | - | - | 15¢ |
| No. 990, Van Dyke, (extra thick), 9x12, | - | - | 25¢ |
| No. 487, Landseer, 4 designs, Litho. Cov. | - | - | 5¢ |



PALMETTO SERIES.

This series is made of the very best quality of writing manilla, hard sized, good smooth surface, and of a light, desirable tint, suiting both the eye and the ink.

To Retail at 5 Cents, Size 6x9.

- | |
|--|
| No. 2043, Unruled, Perforated and Permanently Bound. |
| No. 2044, Ruled, Perforated and Permanently Bound. |
| No. 2045, Unruled, Removable Leaves. |
| No. 2046, Ruled, Removable Leaves. |

To Retail at 10 Cents, Size 6x9.

- | |
|--|
| No. 2053, Unruled, Perforated and Permanently Bound. |
| No. 2054, Ruled, Perforated and Permanently Bound. |
| No. 2055, Unruled, Removable Leaves. |
| No. 2056, Ruled, Removable Leaves. |

To Retail at 15 Cents, Size 8x10½.

[COMMERCIAL LETTER SIZE.]

- | |
|--|
| No. 2073, Unruled, Perforated and Permanently Bound. |
| No. 2074, Ruled, Perforated and Permanently Bound. |
| No. 2075, Unruled, Removable Leaves. |
| No. 2076, Ruled, Removable Leaves. |

ALSO other Desirable Tablets with Illuminated Covers not included in the illustrations on this sheet.

"TOPSY" TABLET.

5½x7½ Inches.

This Tablet has had the most general sale of any Tablet made. It has been enlarged and improved.

- | | | | |
|------------------------------|---|---|----|
| No. 498, Heavy Cream, ruled, | - | - | 5¢ |
|------------------------------|---|---|----|

THE "GALAXY." Size 6x9.

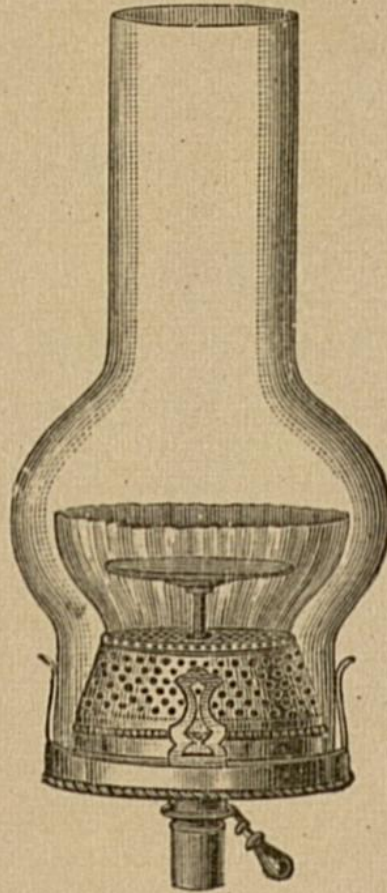
A Handsome Paper of Superior Quality, Assorted Designs of Cover,

- | | | | |
|------------------------|---|---|-----|
| No. 1492, Ruled Paper, | - | - | 10¢ |
|------------------------|---|---|-----|

Samples of any of the above sent by Mail for examination on receipt of retail price.

New things are being added constantly.

THE ROYAL ARGAND GAS BURNER



Burns every Kind of Illuminating Gas.
Manufactured, Natural or
GASOLINE GASES

One Royal Argand will take the place of four
ordinary burners.

Price of Burner and Chimney \$1.50

GILBERT & BARKER MFG. CO.

10 & 12 Dey St., New York

SPRINGFIELD, MASS.

51 UNION ST., BOSTON.

42 DEARBORN ST., CHICAGO.

47-M-64

A WONDERFUL ADVANCE IN ILLUMINATION BY GAS



THE ROYAL ARGAND BURNER

FOR GAS

Adjustable to any ordinary fixtures

85 CANDLE POWER

WE CLAIM FOR THE ROYAL ARGAND BURNER

- 1st. **The strongest**, purest, whitest light ever yet produced from a gas burner for ordinary use.
- 2d. **Great steadiness** of the light—*absolutely without flicker*—a result never before attained.
- 3d. **It is the only** burner that will burn both artificial and natural gas with a strong, white, and a perfectly steady flame.
- 4th. **Great economy** in the use of gas, consuming, in proportion to the light but one-third the gas used by the common Argand burner.

Owners of **gas machines** can now have a **perfect burner**—one that will give a beautiful white light of great power and emit no odor.

Suitable to Counting Rooms, Stores, Churches, Halls and Factories, Specially adapted to Chandeliers and Drop Lights in Parlors and Libraries.

The great objection to *Gas by night-workers and readers*, has been its unsteadiness, causing great injury to the eyes. The Royal Argand Burner completely does away with this.

47-11-64

THOROUGH INSPECTIONS

AND

Insurance against loss or damage to property
and loss of life and injury to
persons caused by

STEAM BOILER EXPLOSIONS.

HARTFORD STEAM BOILER
INSPECTION AND INSURANCE COMPANY.

Abstract of Statement, January 1, 1889.

ASSETS.

Cash in Office and in Bank,	\$70,985.78
Premiums in course of collection,	116,811.10
Loaned on Bond and Mortgage, first liens,	411,660.00
Bonds and Stocks, market value,	652,103.56
Interest accrued, but not due,	28,553.58
Total Assets,	<u>\$1,275,114.02</u>

LIABILITIES.

Premium Reserve,	\$680,245.00
Reserve for all claims not due,	8,064.66
Capital Stock,	\$500,000.00
Net Surplus,	86,804.36
Surplus as regards Policy-Holders,	\$586,804.36
Total Liabilities, including Capital and Surplus,	<u>\$1,275,114.02</u>

J. M. ALLEN, President.

W. B. FRANKLIN, Vice-President.

F. B. ALLEN, 2d Vice-President.

J. B. PIERCE, Secretary and Treasurer.

THE PIONEER COMPANY
OF AMERICA.

ORGANIZED 1866.



JOS. M. GLEASON,
Special Agent,
No. 17 Wiggins Block,
CINCINNATI, OHIO.

TO USERS OF STEAM BOILERS.

—+—

DEAR SIR:

Your attention as a steam user is called to some facts which are of interest and importance to all persons using steam power. It is claimed by many that steam users are liable, under ordinary circumstances, for loss of life and injury to employés and others, resulting from an explosion of their boilers. While this is true under the law, where negligence is proved, the composition of juries and the prejudice which exists under such circumstances against corporations, makes it almost certain that a verdict would be given against them. In fact, in the lower courts such decisions are not uncommon. In view of these possibilities, if not probabilities, the HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY was chartered in 1868, to cover, by its policies, loss of life and injury to persons from such accidents, thus removing the probability of controversy and vexatious law suits, should an explosion of your boiler occur.

To-day protection against loss of this kind

is sought after with the same feeling of its necessity as is given to the question of fire insurance.

You carry fire insurance to cover the losses arising from fire in your establishment, *but fire policies do not cover the damage done by an explosion, unless fire ensues, and then for the damage done by the fire only.* Many valuable mills have been wrecked by boiler explosions without fire following, and great damage done to the building, stock and machinery, thus leaving the owners without any means of redress or indemnity.

You are no doubt aware that the courts have decided that frequent inspections must be made of your boilers by skilled persons, who shall make such inspections in the most searching manner, by employing and using the best known tests in the examination of boilers, gauges, and other apparatus connected therewith.

REMEMBER

that in "inspection" your interests are best served by patronizing the company that has the greatest experience and skill in the designing, construction, inspection, and management of steam boilers and their dependencies. In the Inspection Department alone are em-

ployed EIGHTY-FIVE practical and efficient inspectors, many of whom have been with the Company over twenty years.

The HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY makes thorough and searching inspections periodically of all boilers and their attachments (without extra charge to the assured), and by their policy, in case of explosion, hold themselves ready to indemnify you against losses to PROPERTY, LIFE, and DISABLING INJURIES, to the extent of the amount insured.

The only Company engaged in the steam boiler inspection and insurance business exclusively whose policies fully protect the rights of the steam user.

SELECT THE BEST.

The Hartford Company, as you are aware, is the PIONEER COMPANY in this country, having been organized in 1866, and continuing in successful operation since. Its capital (fully paid) is \$500,000, with Assets, on January 1st, 1889, of \$1,275,114.02, having a SURPLUS, as regards policy-holders, of \$386,804.36, and it has returned to its patrons in losses paid and inspections, the sum of \$1,750,286.01.

The head office, in Hartford, is equipped with all appliances and apparatus necessary

for testing the adaptability of the different waters used in boilers, and also for testing the metals to be used in the construction of boilers. The Company is prepared to furnish plans and specifications as to the proper construction and setting of boilers in manufacturing establishments—in fact, no line of inquiry in relation to the use of steam and its effects has been neglected by its officers.

We should be pleased to negotiate with you in regard to insurance upon your property, OR CHANGE OF YOUR PRESENT POLICY, and feel convinced, after you have fully considered the advantages offered by us in our NEW FORM, you will deem it wise to protect yourself with insurance of this character.

Yours very truly,

HARTFORD STEAM BOILER
INSPECTION AND INSURANCE CO.

47-M-64



All Dealers can supply this large bottle of Keystone Jet Black Ink at 10 cents.

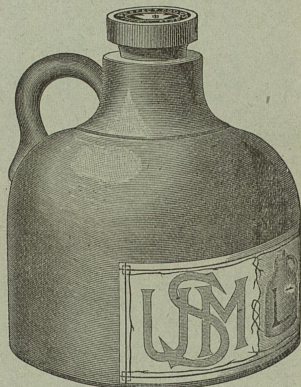
Ask for Keystone Black Experimental Size.

Every bottle is guaranteed, and if you appreciate first-class Black, free flowing Ink get a bottle of this and try it. If it does not give better satisfaction than anything you have tried, return it.

We Guarantee it to the Dealer and he can and will Guarantee it to you.

They also can supply you with the Keystone Commercial Ink No. 10, and French Violet, in the regular 10¢ and 5¢ bottles, with our patent corks. These Inks are all fully warranted, and it will pay you to examine them.

A Late Addition to the
'U. S. Mail' Series.



Your attention is called to this very novel and attractive Ink stand filled with our finest and best Keystone Jet Black Ink.

"Little BROWN Jug"

INK STANDS,

Filled with the Superior Keystone Jet Black Ink.

THE PRICE IS

10 Cts. Each.

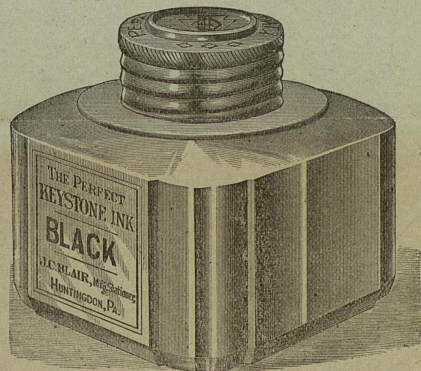
Each Dozen packed in a box with an attractive show card.

NOTHING ON THE MARKET

THAT WILL COMPARE WITH THE

Security Stand.

[Flint Glass, Double Metallic Screw Cap.]



For Sale by the Trade Everywhere.

For Sale by the Trade Everywhere.

FILLED WITH THE

Keystone Inks.

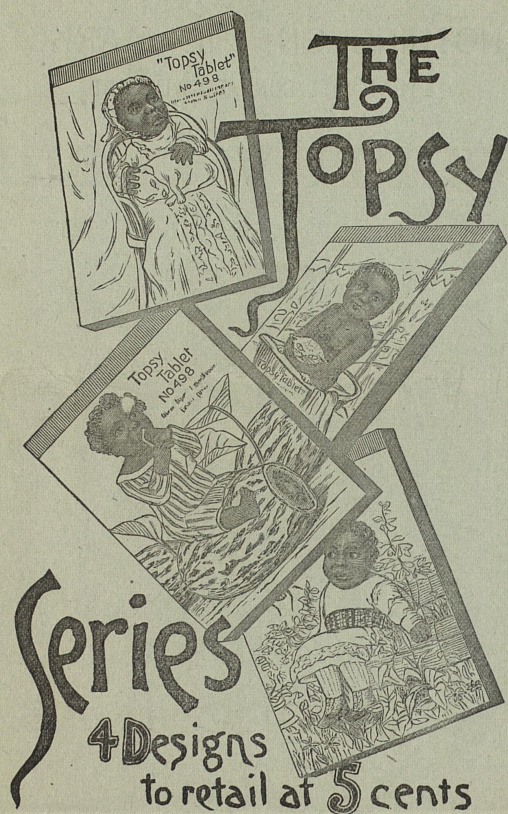
Can be had with Fluid, Black, Violet or Commercial No. 10.

We respectfully call your attention to the new Flint Desk Stand, as shown above by a life-size cut, called "Security Stands." They are provided with Brass and Nickel-plated Screw Caps, highly polished, air tight, and may be had with Black, Violet, No. 10 and Fluid Keystone Inks. These stands contain almost 4 oz. of ink; they are flat, so as not to upset, and at the same time of good proportion, with a wide mouthed neck, giving plenty of room for the pen. For a desk stand, filled with the celebrated Keystone Inks, we feel safe in saying there is nothing on the market to compare with the "Security" in price, quality and style. These goods have to be seen to be appreciated. The "Security" Stands are packed in neatly made boxes containing one stand.

J. C. BLAIR, Manufacturing Stationer,
HUNTINGDON, PENN'A.

Price 25 Cts. Each

We warrant the Keystone Inks to be the best known, and by our warrant we mean that any of them failing to give perfect satisfaction can and should be returned, and money will be refunded.



For Sale by Dealers and Jobbers Everywhere.

Manufactured by J. C. BLAIR,
Huntingdon, Penn'a.

The Dealer or Jobber from whom you order your supplies can furnish you with all Goods advertised herein, at prices named.



Four Handsome Designs to Retail at 10 Cents Each.

A very handsome Ruled Tablet of hard sized paper for Pen or Ink use. Ask for Blair's "GALAXY" Tablet.
No. 1492.

≡ » A CHRISTMAS GREETING « ≡

FROM

• C. A. JOHNS' BROADWAY PHARMACY. •

(Next Door To Post-Office.)

— Your attention is invited to a Very Attractive Line of —

≡ HOLIDAY GOODS, ≡

— At Extremely Low Prices. —

» EVERY VARIETY OF CHRISTMAS AND NEW YEAR CARDS. «

Mirrors,

Pungents,

Whisk Broom Cases,

Cut Glass Bottles,

Odor Cases,

Gents' Dressing Cases,

Manicure Sets,

Ladies' Dressing Cases,

Work Boxes

Cigar Cases and Holders,

Box Paper,

Puff Boxes,

Autograph Albums,

New Perfumes and Colognes,

Fancy Ink Stands.

Writing Desks, Card Cases,

Meerschäum Goods, all Kinds,

Necessaires, Etc., Etc.

A Christmas Card Given Away with Every Present, no matter how small the purchase.

47-M-64



≡ » A CHRISTMAS GREETING « ≡

FROM

❧ C. A. JOHNS' BROADWAY PHARMACY. ❧

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New Perfumes and Colognes,

Fancy Ink Stands.

Writing Desks, Card Cases,

Meerschäum Goods, all Kinds,

Necessaires, Etc., Etc.

A Christmas Card Given Away with Every Present, no matter how small the purchase.

190

IN ACCOUNT WITH

INCORPORATED

OFFICE AND FACTORY WEST HIGH AND MAXWELL

[illegible]

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Weight	Rate	AMOUNT		
ACCOUNT RENDERED																								
										100				100						+	200	25	50	
																				50	50	30	15-	
																							65-	
										<i>Thawkes</i> RECEIVED PAYMENT, CONSUMERS ICE & FUEL CO., LIMITED, by <i>Wm. Thawkes</i> Recy. Treas.														

On account of the great number of customers we have, similarity of names sometimes causes confusion on our books—to avoid which please give Occupation, Street and Number. New patrons can facilitate prompt shipment by naming references to a bank or business house (not dealers in soap).

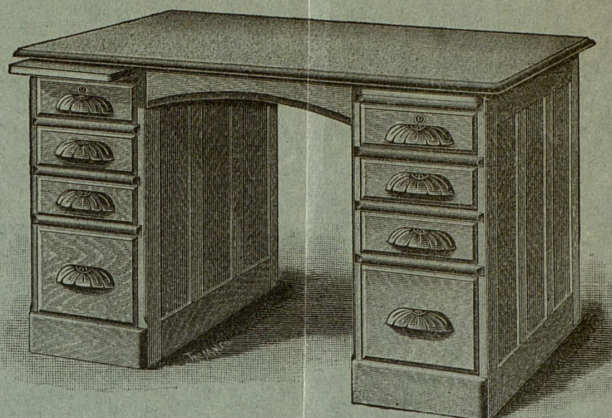
Cash sent with this order secures an extra premium of value, and shipment day after order is received.

... SPECIAL ...

TO CLERGYMEN,

PHYSICIANS,

LAWYERS.



To all who have room and use for this handsome roomy flat top desk, we make a remarkable offer. This desk is sold by retail dealers at from \$16.00 to \$20.00, and it is worth it. The Larkin plan, applied to this desk, enables us to offer you

One Combination Box of "Sweet Home" Soap, contents worth at retail,	-	\$10.00
Professional Man's Flat Top Desk worth at retail,	- - - - -	\$16.00
ALL FOR \$16.00	{ Offer is good while the Desks can be had. } This is a special offer.	\$26.00

The desk is 31 inches high, top 32 inches wide, four feet long. Made of Solid Oak. Paneled all around. Polished top. Two arm rests. On each side are three draws each $3\frac{1}{4}$ inches deep and one $8\frac{1}{4}$ inches deep. Eight in all, eleven inches wide, two feet long.

Send your order with check or money order for \$16.00 and we guarantee you one of these Desks and a Combination Box containing everything named on page 4 of our Booklet. If everything is not perfectly satisfactory we will return your money in full.

You can make your Pastor a Christmas present of one of these Professional men's flat top Desks.

We will send two Combination Boxes, retail value \$20.00 and the Desk too for \$20.00. Any church society can easily sell our soaps, etc., to amount of \$20.00 (we will pack boxes as you order—see page 5 of Booklet). The proceeds will yield the amount needed to pay our bill and the Desk is absolutely free. Remember the Desk is alone worth \$16.00—sold for \$20.00 in many stores.

F. 4061.

The Larkin Soap Mfg. Company

Estab. 1875.
Incor. 1892.

659 to 667 Seneca and 622 to 626 Carroll Streets, BUFFALO, N. Y.

ESTABLISHED 1880.

C. B. MERWIN,
MAN'G STATIONER AND PRINTER,
218 FULTON STREET,
NEW YORK.

Dear Sir:

I once more send you a few samples to remind you that I am still in business and continue to fill orders for Colleges and Seminaries, as satisfactory as ever. As you will see I still continue to give a liberal discount on all orders of \$10.00 and over.

DISCOUNT **20** PER CENT.

To those for whom I have never had the pleasure of filling an order I would say:

A large set of samples consisting of over fifty different kinds of paper and envelopes will be sent to any address on application.

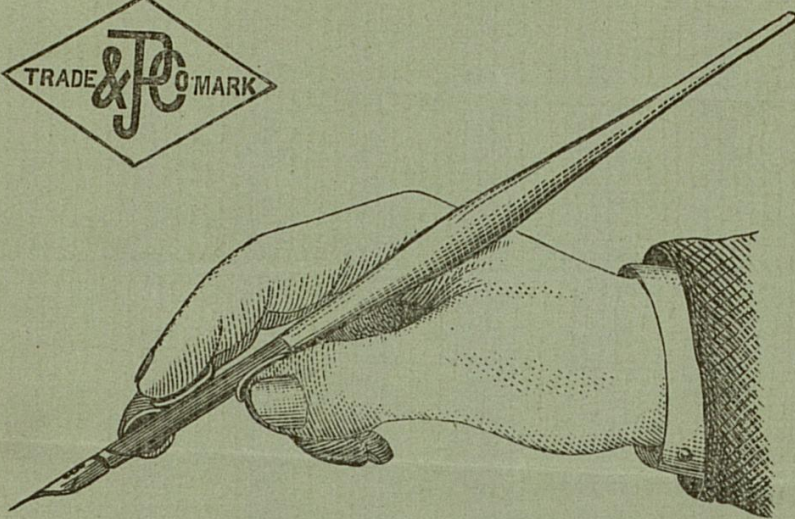
I use every endeavor to please each and every customer, let their order be large or small, it is promptly and satisfactorily filled.

After deducting the Discount from prices as printed on the sample, you will at once see it will pay you to send for the large set of samples, and make up a trial order.

Thanking my old patrons for past favors, which I hope may be continued, I remain,

Yours respectfully,

C. B. MERWIN.



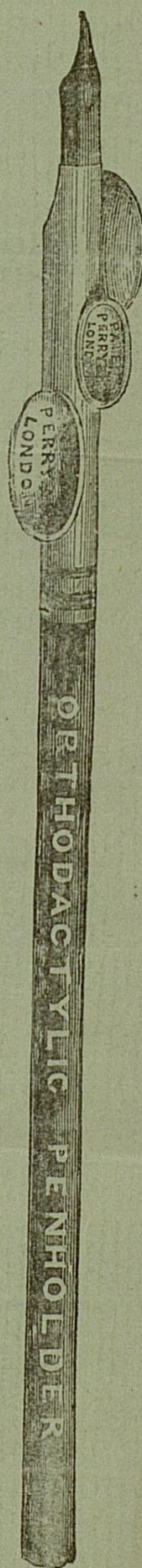
ORTHODACTYLIC, OR CHILDREN'S PEN-HOLDER.

The object of this Pen holder is to make Children hold the Pen correctly; *i. e.*, to keep their fingers in a correct position, so as to prevent them from forming a habit of holding the Pen in an improper manner, and consequently spoiling their hand-writing for life. Its name is derived from Greek terms, indicating the holding of the *fingers* (*dactyli*) in a *correct* (*orthos*) position. The use of it by Adults, also, would infallibly reform a bad hand-writing, which, in almost all cases, has arisen from an habitual cramped position of the fingers in holding the Pen.

PRICE, PER GROSS,	\$4.50
“ “ DOZEN,	.50

IVISON, BLAKEMAN, TAYLOR, & CO.,
753 & 755 Broadway, New York.

(From *ophos*, *orthos*, right, and *dactylos*, *dactylos*, a finger.)



47-M-64
Stoke Pogis 5th
5987.

St. Helier
45.

VIOLATOR 17940.

VIOLATOR 17940, is the grandest bred Jersey bull now in Kentucky. He is by Stoke Pogis 5th, full brother to Stoke Pogis 3d. Violator's dam, Floribel 3d 14129, is by St. Helier 45. Floribel 3d is an 18 quart cow, with large udder, well placed teats, rich hide, rangy and large—almost a counterpart of Ida of St. Lambert in appearance. Was sold by Messrs. Miller & Sibley before testing, but they know from her milking powers and the quality that had she been tested she could have made a very creditable one. Her dam, Floribel 2460, is also the dam of Flight of Willow Farm 24783 (by a son of St. Helier 45), with a record of 20 lbs. 12 ozs. in seven days. (See C. Brown's Vol. 11.) Floribel comes of the rich blood of the Taintor importation, tracing three times to Splendid 2, to Emperor 2d, Splendens 16, Taintor 70, Hebe 183, Sue 2d and Sue, Belle 225, Comet 120, Sark 123, Prince of Jersey 66, Jura 224.

These names are conspicuous in the foundation of the pedigrees of the many of our old time and to-day's famous Jerseys. They largely make up and come with the blood of the following: Bradley cow 18 lbs., Gen. Scott, Gen. Grant, Lansers Fancy 934 lbs. in one year; Palastine 3d 16 lbs. 4 ozs.; Maggie Mitchel 19 lbs. 8 ozs.; Maggie Mitchell 2d 16 lbs.; Lady Mel 2d 21 lbs.; Couch's Lilly 71 pounds in 31 days; Value 2d 25 lbs. 2 ozs.; Ida Bashan 18 lbs.; McClelland 25, 2d, 3d and 5th sire of 44 cows with records averaging 15 lbs. Livingstorn, the 1st, 2d, 3d and 4th sire of 47 cows averaging 15 lbs. and 6 ozs. et 120, sire of 2 in record, and grandsire of 4 more, Pansy 1019, Rex, sired 9 in butter list. Champion of America, with 9 in same list.

Many more names could be mentioned, but stopping here and adding to them the wonderful records of the Stoke Pogis' and those of the great butter bull, St. Helier 45, we have a combined richness of pedigree not to be surpassed in the Jersey world.

STOKE POGIS 5th 5987 STOKE POGIS 3d 2218 OXOLI 1922 ST. HELIER 45

ROSE HILL STOCK FARM.

VIOLATOR 17940,

A. J. C. C.

The Stoke Pogis 5th and St. Helier Jersey Bull.

"Let your bull be by a great sire and the dam by a great sire. I would rather this would be so than to have them four or five times in the pedigree three or four removes."—Old Breeder.

All Communications addressed to H. B. HIGGINS, Lexington, Ky.

The four sires, Stoke Pogis 5th, Stoke Pogis 3d, St. Helier 45 and Oxoli (St. Helier's son), sired 57 cows with butter records. What other four sires have done as much?

STOKE POGIS 5th and STOKE POGIS 3d sired the following:

		Stoke Pogis 1259	
		Majoram 2239	
Carets	22 lbs 12 ozs		
Lady Mary of P	19 15 1/2		
Mary Hindman	15 11 1/2		
Mary Anne of St. Lambert	36 12 1/2		
Ida	30 2 1/2		
Marmad	25 12 1/2		
Nalad	22 2 1/2		
Nobe	21 0 1/2		
Boxer Pink of Berlin	19 14		
Honeymoon of St. Lambert	23 5 1/2		
Circus	17 1 1/2		
Cowslip	17 12		
Freddie of Elmhurst	20 5		
Minnette of St. Lambert	17 4		
Edo Miss (rate)	17 1		
Diana of St. Lambert	16 3		
Maggie	16 3		
North	16 2		
La Belle Petite	16 7		
Mayday of St. Lambert	15 15		
May Day Stoke Pogis	15 3		
Nora of St. Lambert	21 7		
Jessie Brown of Maxwell	14 7		
Cupid of Lee Farm	14 6		
Nancy of St. Lambert	14 5		
Aille	23 13		
Nymph	24 14		
Cora	21 8 1/2		
Cherful	20 8		
Columbine	19 1		
Average for 30 over 20 lbs each			

ST. HELIER 45 and his son OXOLI 1922 sired following:
Note—OXOLI 1922 sire of the following list:

NAME.	WEIGHT OF BUTTER IN 7 DAYS.
1. Volle 1945	18 lbs. 1 ozs.
2. Kael 1980	17 " 8
3. Zithy 9181	16 " 7 " grass alone, three years.
4. Leslie 9179	16 " 3 " grass alone, three years.
5. Niphet 9180	15 " 10 " grass alone,
6. Sibeta 1768	15 " 10 " grass alone,
7. Bentini 9181	14 " 14 " 3 1/2
8. Blitana 9837	14 " 14 " 1
9. Taglona 9182	14 " 14 " 1

IMP. ST. HELIER 45 was the sire of the following:

NAME	WEIGHT OF BUTTER IN 7 DAYS.
1. Chroma 4572	23 lbs. 6 ozs.
2. Meines 3d 741	22 " 1 " "
3. Ianthe 4562	19 " 11 " grass alone.
4. Pyrola 4561	18 " 6 " "
5. Chenle 4570	15 " 7 " "
6. Oxalis 25 1931	15 " 7 " grass alone.
7. Taron 1548	14 " 8 " in winter, 25 months old.
8. Del of Willow Farm 22461	14 " 8 " at three years.
9. Safrano 4563	14 " 8 " grass alone.
10. Julie 4540	14 " 14 " "
11. Silene 4507	14 " 14 " "
12. Ebon Edith 1963	14 " 1 " "
13. Cinderella St. Helier 2241	13 " 9 " "
14. Atria 4567	13 " 13 " grass alone.
15. Lutes 4563	13 " 8 " "
16. Kalina 4564	13 " 8 " "
17. Erith 4501	13 " 14 " grass alone, two years.
18. Helve 4565	13 " 14 " "

In addition to the above twenty-seven there are two others having over 50 per cent. of the blood of St. Helier 45, making a total of twenty-nine cows to whom St. Helier has given from 50 to 87 1/2 per cent.

VIOLATOR 17940.
Dropped August 7, 1885.

Stoke Pogis 5th 5987. Sire of Careta 1902, 22 lbs 12 ozs. Lady Mary of Prospect 1778, 19 lbs 15½ ozs. Mary Hindman 1769, 15 lbs 11 ozs. Full brother to Stoke Pogis 3d 2238, sire of Mary Anne of St. Lambert, 36 lbs 12½ ozs. Cowslip of St. L., 17 lbs 12 ozs. Brenda of Elmhurst, rate of 17 lbs 4½ ozs. Minnette of St. L., 17 lbs 4 ozs. Diana of St. L., 16 lbs 8 ozs. Maggie of St. L., 16 lbs 3 ozs. Moth of St. L., 16 lbs 2 ozs. La Belle Petite, 16 lbs. Nora of St. L., 14 lbs 7 ozs. Cupid of Lee Farm, 14 lbs 2 ozs. Nancy of St. L., 14 lbs 5 o 4. Jessie Brown of Maxwell, 14 lbs 7 ozs. Nymph of St. L., 13 lbs 4 ozs at 2 yrs old G. G. sire of Riotor's Beauty, 14 lbs when 2 years old. Rioters Ruth, 11 lbs 12½ ozs when 25 months old. Rioters Sylvie, \$6,000. Victor Hugo's Pogis, \$5,000.	Stoke Pogis 846, E. H. B., 1259, A. J. C. C. Sire of Marioram 2d, 15 lbs. Matilda 4th, 16 lbs, 12 ozs. La Petite Mere 2d, 15 lbs 11 ozs. Sire of Stoke Pogis 2d, who sired Minnie of Oxford, 16 lbs. Sire of Stoke Pogis 3d, who sired Mary Anne of St. Lambert, 36 lbs 12½ ozs. Ida of St. Lambert, 30 lbs 2½ ozs. Mermaid of St. Lambert, 25 lbs 13½ ozs. Natald of St. Lambert, 22 bs 2½ ozs. Niobe of St. Lambert, 21 lbs 9½ ozs. Honeymoon of st. Lamb art, 20 lbs 5¼ ozs. Rioter Pink of Berlin, 19 lbs 4 ozs. Cowslip of St. L., 17 lbs 12 ozs. Brenda of Elmhurst, rate of 17 lbs 4½ ozs. Minnette of St. L., 17 lbs 4 ozs. Diana of St. L., 16 lbs 8 ozs. Maggie of St. L., 16 lbs 3 ozs. Moth of St. L., 16 lbs 2 ozs. La Belle Petite, 16 lbs. Nora of St. L., 14 lbs 7 ozs. Cupid of Lee Farm, 14 lbs 2 ozs. Nancy of St. L., 14 lbs 5 o 4. Jessie Brown of Maxwell, 14 lbs 7 ozs. Nymph of St. L., 13 lbs 4 ozs at 2 yrs old G. G. sire of Riotor's Beauty, 14 lbs when 2 years old. Rioters Ruth, 11 lbs 12½ ozs when 25 months old. Rioters Sylvie, \$6,000. Victor Hugo Pogis, \$5,000. Marioram 3239 Imp. 16 lbs butter in 7 days. Dam of Stoke Pogis 2d, who sired Minnie of Oxford, 16 lbs. Dam of Stoke Pogis 3d, who sired Mary Anne of St. Lambert, 36 lbs 12½ ozs, and others as above.	Young Riotor 751, E. H. B. Essay. Tattle. Dr. Syntax 240, E. H. B. Magnet.	Rioter 746, E. H. B. Grand sire of Eurotas, 22 lbs. 7 ozs. Torrida, 17 lbs. 6½ ozs. Pet Gilford, rate of 18 lbs 9½ ozs. Black Prince of Hanover, g. g. sire Violet 3d 3240, 15 lbs. 8 ozs. Now owned by me. Grief. Young Riotor 751, E. H. B. Tattle. Tindall 874, E. H. B. Fawn. Gipsy 354, E. H. B. G. sire of Violet 3d, 16 lbs. G. G. G. sire of La Belle Petite, 15 lbs. Maggie, dam of Mattie, 17 lbs. G. dam of Matilda 3238, 17 lbs. G. G. G. dam of Minnie of Oxford, 16 lbs. Prince of Jersey Imp.	Pedlar 631, E. H. B. Grand sire of Dolphin 2d, who got Clotho, Hybla, Rachel Ray nearly 14 lbs. when ten years old. G. G. sire of Robinette, 16 lbs. 4 Silversides, 14 lbs. Ritta, Imp. Pedlar 631. (As above.) Gin. Rioter 746, E. H. B. Grand sire of Eurotas, 22 lbs. 7 ozs. Torrida, 17 lbs. 6½ ozs. Pet Gilford, rate of 18 lbs. 9½ ozs. Black Prince of Hanover. Grief. Wapiti 927, E. H. B. Grand sire of Col. Hoe's Dolphin 2d. Tintang. Dr. Booth's Bull. Blossom. Bred by Phillip Dauncy. Meteor 554, E. H. B. Gipsy, Imp, 17 lbs. Brigand 118, E. H. B. Madge.	
Floribel 3d 14129	St. Heller 45 Floribel 2460 Flora 121 Ruby 1812	Metacomet 215 Cliff 290 Bonnie 369 Joe Hooker 465	Sark 123 Mollie Imp 370 Comet Imp. 130 Jura 224 Prince 462 Rosaline 1212 Prince 462 Diana 4th 1222	Splendid 2 Hebe 183 Emperor 2437 Hebe 183 Splendid 2d Hebe 183 Splendid 2 Sue 2465	Emperor 5 Fawn 25. Taintor 70 Sue 64

Dam of Flight of Willow Farm 24753; record 20 lbs 12 ozs.
(C. Brown's vol. 1.)

Dam of Flight of Willow Farm 24783; record 20 lbs 12 ozs.
(C. Brown's vol. II.)

VIOLATOR 17940, A. J. C. C.

VIOLATOR is a solid color; grey stripe down the back; black tongue and switch. He is lose and rangy in build, with soft skin, rich color, hair as fine as silk; deep chested and wide in girth; immense barrel; four extra large rudimentary teats well placed. In short a splendid specimen of the great families he represents.

HOME PORTRAITS
EVENING PARTIES
COMMERCIAL WORK



BABY PHOTOS
FAMILY GROUPS
RESIDENCE VIEWS

F. J. BANDHOLTZ
THE FLASH LIGHTER

WILL GO ANYWHERE FOR BUSINESS

FOR FLASH-LIGHTS CALL ON ME.
IOWA PHONE 848 L 4

1015 FOURTEENTH STREET
DES MOINES, IOWA

Kansas Weights.	
	lbs.
Dried Apples..	24
Barley	48
Beans.....	60
Blue Grass Seed	14
Bran	20
Buckwheat.....	50
Coal	80
Castor Beans...	46
Corn, shelled..	56
Corn, in the ear	70
Corn Meal.....	50
Clover Seed....	60
Flax Seed.....	56
Hemp Seed.....	44
Hungarian Seed	50
Malt.....	32
Millett Seed....	50
Oats.....	32
Peaches, dried.	33
Potatoes, Irish.	60

GEO. D. STINEBAUGH,
(Clerk of Franklin Co. from
1868 to 1880.)

A. G. BARNETT,
(Att'y at Law.)

STINEBAUGH & BARNETT, *REAL ESTATE AGENTS,* OTTAWA, KANSAS.

Will attend to the purchase, sale, and exchange of unimproved land, farms, city or business property; pay taxes, adjust tax titles, procure abstracts of titles, and attend to any business pertaining to a Real Estate Agency. Especial attention given to making investments for non residents.

Send for Circulars for information, and List of Property

Rye.....	56	Salt.....	50	Unslacked Lime	80
Timothy Seed.	45	Turnips.....	55	Potatoes, Sweet.	50

Distances From	
=OTTAWA TO=	
Kansas City....	53
Ft. Scott.....	65
Paola.....	25
Olathe.....	31
Lawrence	27
Leavenwrth....	60
Topeka.....	45
Lyndon	25
Emporia.....	55
Burlington. . .	45
Garnett.....	24
Iola	52
Humboldt.....	60
Chanute.....	68
Thayer.....	82
Cherryvale.....	97
Independence..	107

Home & Farm,

LOUISVILLE, KY.



ADVERTISING RATES.

Fourteen lines Solid Agate make one inch. No Agate type used except in Cuts.

Ordinary advertisements, 60 cents per Agate line, each insertion.

Reading notices, \$1.00 per Agate line, each insertion.

Special position, 10 per cent extra.

No advertisement taken for less than \$3 gross, for each insertion.

DISCOUNTS.

On six consecutive insertions, 10 per cent.

On twelve or more consecutive insertions,
15 per cent.

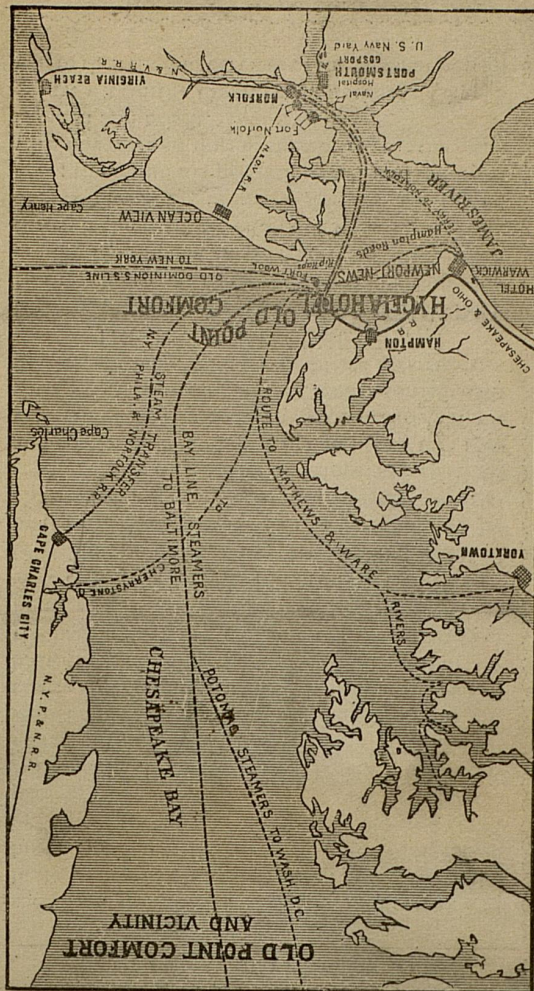
On twenty-four or more consecutive insertions,
25 per cent.

Cuts should not exceed 18 Pica ems—2 1-16 inches, in width for single column.

Copy should reach us eight days in advance of date of issue.

Papers issued 1st and 15th of the month.

1	Inch—1	Insertion,	-----	\$ 8 40
1	" 3	"	-----	25 20
1	" 6	"	-----	45 36
1	" 12	"	-----	85 68
1	" 24	"	-----	151 20



49-W-44

WHAT TO DO AT
OLD POINT COMFORT,



AND
ROUTES
OF TRAVEL
THEREFROM.

WHAT TO DO AT OLD POINT COMFORT.

"I have just so much time to stay here," says the tourist on arriving. "What can I do in the way of sight seeing?"

The question will be answered in as direct language as possible.

At 8.30 o'clock every morning, except Sunday, when it occurs at half-past nine. Guard Mounting and Inspection take place at

FORT MONROE.

Every day, *Saturdays excepted*, Dress Parade at half hour before sunset.

From June to October the Military Band gives open air concerts on the campus from 5 to 6 P. M., Sundays excepted.

During the Summer months target practice takes place every afternoon from 3 to 5, on the west and north sides of the Fort; also from the ramparts.

From two to six P. M. Tennis is played on the campus inside the Fort.

The Museum, Laboratory, and Library are open to visitors at all hours during the day. Here are preserved historical relics and munitions of war.

At low tide the beach is hard and firm, and a walk from the Hygeia to the Fort Mon-

WHAT TO DO AT OLD POINT COMFORT.

roe Cemetery, which is situated in a live oak and holly bush grove, one and a half miles from the hotel, is a delightful one. The view is diversified by numerous vessels of all nations and craft passing to and fro.

Immediately opposite the Hygeia is the interesting but unfinished Fort Wool, a curious and stupendous structure, built to command the entrance to Hampton Roads. It is reached by sail boat, to be hired by the hour at the office or on the beach, at the regular rate of \$1, to \$1.50 per hour.

THE NATIONAL MILITARY HOME is within two miles of the Hygeia and reached by private carriage at \$1 to 1.50 per hour, or by chariot leaving every hour, at ten cents per passenger, either way. The buildings are spacious and comfortable and provide a home for 1300 veterans of the late war. The grounds are laid out with great taste and beauty, and adorned with flowers, statuary, military emblems and relics.

THE NATIONAL CEMETERY is separated from the Home by a narrow inlet. In the centre of the grounds is an imposing granite Monument, raised by private subscription through the patriotic efforts of Miss D. L. Dix of New York. Six thousand soldiers are buried here; the ground is perfectly level, and adorned with flowers, and during the entire year the grass is green and bright.

Just within the Cemetery is Bethesda Chapel, where the religious services of the Normal School

WHAT TO DO AT OLD POINT COMFORT.

are held, and where President Garfield made his last public address to the students of that Institution.

Adjoining the Soldiers' Home, and within two miles of the Hygeia, on an estate of over 200 acres, during the civil war known as Camp Hamilton, is the

HAMPTON NORMAL AND AGRICULTURAL SCHOOL

for colored people and Indians. The grounds are spacious, the buildings handsome, affording accommodation for six hundred pupils of the Indian and Negro races. The school rooms, work shops, dormitories, stables and farm are full of interest. A detailed history of the school and Visitor's Guide book is on sale at the book store, or the order of its exercises may be procured on application at the office of the Hotel.

THE BUTLER SCHOOL HOUSE

is at the entrance of the grounds. This building was erected by Gen. B. F. Butler, during the Civil War, as a school for contrabands. It is now a kindergarten for Negro children, under the control and discipline of the Normal School.

Within a mile of the Normal School is the present old historic

TOWN OF HAMPTON.

Here stands the ancient church of St. John, built of brick brought over from England in 1634, and the oldest church now used as a place of worship in America.

WHAT TO DO AT OLD POINT COMFORT.

These places of interest are connected by a hard shell road with the Hygeia Hotel.

Nine miles distant, by rail or steamer, is

NEWPORT NEWS,

the deep water terminus of the Chesapeake and Ohio Railway. It boasts the largest Grain Elevator in the world, a growing commerce, and the beautiful Hotel Warwick, which offers many attractions as a winter or summer resort.

Fare thither by rail is 25 cts. each way.]

NORFOLK AND PORTSMOUTH.

Steamers leave Old Point Comfort for Norfolk and Portsmouth as follows: Potomac River steamers from Washington, 6:30 to 7:30 A. M., Tuesday, Thursday, and Saturday; Bay Line steamer from Baltimore, daily except Monday, at 8 A. M.; N. Y., P. & N. R. R.'s transfer steamer from Cape Charles City, (New Route,) daily at 9 A. M.; Steamer Luray from Hampton and Soldiers' Home at 9 A. M., daily, except Sunday; James River steamer from Richmond three days in the week during the summer, at 6 to 7 A. M., and Steamer Northampton from Cherrystone, Poquosin, Mathews and Ware River at 4 to 4:30 P. M., daily, except Sunday.

Returning, the respective steamers leave Norfolk at 5 P. M., 6:30 P. M., 3 P. M., 6 P. M., and 7:30 A. M. The steamers leave Portsmouth about a half hour earlier.

Norfolk is the second largest cotton port in the United States, and a large shipping business, both foreign and domestic, in this and other products, is carried on. The city is picturesque and interesting. The cotton compresses, the restored colonial church of St. Paul, a beautiful and historic building; the new, large and handsomely fitted Roller Skating Rink, open during the day and evening, are among the points of interest. Its principal hotels are the Atlantic, Purcell, and Virginia.

At Portsmouth, visitors may inspect the U. S. Navy Yard; the training ship of the North Atlantic Squadron, and any other man-of-war that may chance to be lying at anchor there. The Marine Hospital and its beautifully kept grounds are also worthy of a visit. The Ocean House newly refitted and refurnished, is the largest hotel.

At the Hygeia Hotel office, Sportsmen may be furnished with guides, who will direct them to the fine hunting grounds of Elizabeth City and adjacent Counties. In these lowlands quail, snipe, red-head and canvass back ducks abound. Fishermen will be supplied with boats and assistants by like application, at rates mentioned above, \$1 to \$1.50 per hour. Sheephead, Blue fish, Spanish Mackerel, Sea Mullet and Spots, are plentiful in Hampton Roads.

CHERRYSTONE, POQUISON, MATHEWS, AND
WARE RIVER,

are reached by the steamer Northampton, which leaves Old Point Comfort, at 8.30 to 9 A. M., Mondays, Wednesdays and Fridays for Cherrystone and Poquosin, and on Tuesdays, Thursdays and Saturdays for Mathews and Ware River, returning at 4 to 4.30 P. M.

A military Band entertains the guests at the Hygeia at dinner and tea, and at the evening Hops in the pavilion, where full and fancy dress balls are frequently given.

ROUTES

BY WHICH TO LEAVE

OLD POINT COMFORT,
VIRGINIA.

For Baltimore, Philadelphia and New York.—Take Bay Line Steamer leaving 7.30 p. m.

For Philadelphia and New York.—Take New York, Philadelphia and Norfolk R. R. (new route). 7.30 p. m.

For New York direct.—Take either of above named routes, or Chesapeake and Ohio Railway, leaving 7.45 a. m., arriving at Richmond 10.45 a. m., Washington, 3.30 p. m., Baltimore 5 p. m., Philadelphia 7 p. m., arriving in New York 10 p. m. Pullman to Washington without change; or 3.25 p. m. train arriving in Richmond 9.15 p. m., Washington 11 p. m.; New York 6.45 a. m. Sleeper at Hanover Junction 7 p. m.; or Old Dominion S. S. Line, leaving Norfolk Monday, Tuesday, Wednesday, Thursday, and Saturday. [Company's steamer Northampton, from Old Point Comfort, connects closely.]

For Boston and Providence.—Take above named routes to New York; or M. & M. T. Co's Steamers leaving Norfolk Tuesdays and Fridays for Boston, and Wednesdays and Saturdays for Providence, 4 p. m. (All sea route direct.)

For Washington.—Take C. & O. Ry. 7.45 a. m., and 3.25 p. m. (Pullman); or 5 o'clock steamer, Tuesdays, Thursdays and Saturdays. (Direct.)

For Cincinnati, Chicago and other points.—North and West take C. & O. Ry. via, Richmond and Lexington, or Bay Line to Baltimore, thence B. & O. R. R.; or Pennsylvania R. R.

For Jacksonville, Fla., via Weldon, Wilmington, Charleston, and Savannah.—Take Atlantic Coast Line at Portsmouth, on arrival of Bay Line Steamer; or C. & O. Ry., to Richmond, thence any Southern route from that city.

→ Pure Drugs, Medicines & Chemicals,

PAINTS, OILS, VARNISHES,
DYE-STUFFS,

FINE STATIONERY,

Toilet Articles,

PERFUMERY,

Etc.

BRUCE, ROGERS & CO.,

PHYSICIANS'
PRESCRIPTIONS
Carefully Prepared
at all hours.

Druggists,

S. E. Cor. Church & Orange Sts.,
ORLANDO, FLA.



J. C. Smith

10 Thayer Block

Indranagar

47-W-LH

S. S. LONGABAUGH,
REPRESENTING THE
PENNSYLVANIA AND NEW YORK
LIMITED. OIL AND GAS COMPANY LIMITED.

Incorporated in the State of New York.

Main Office: - - ALLENTOWN, NEW YORK.

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47-M-64

E^d F. Rulien
Greenville
Ky

CAMPBELL

PRINTING

PRESS CO.

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INDIANA

KENTUCKY
TENNESSEE

James Murrin,

AGENT,

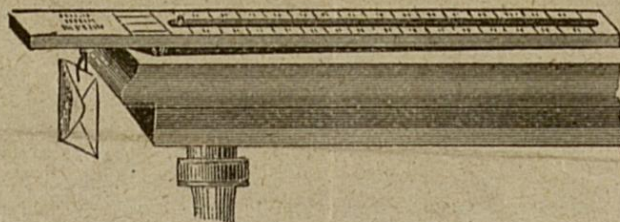
145 MONROE ST.,

CHICAGO, ILLS.

47-M-64

L. M. N. Wood

Millersburg
Ky



DIRECTIONS FOR USING The Combined Postal Balance & Ruler.

Attach the article to be weighed to the hook by extending the end of the Ruler over the end of desk or table (as in cut above.) If it weighs more than 1-2 oz. or a 3-cent letter, move the weight in the groove until it balances; opposite the brass indicator will be found the figures showing the amount of postage in cents.

CHAS. S. HARDY & CO.,

Sole Manufacturers,

Boston, Mass.

Postmaster General THOS. L. JAMES, says: "It is ingenious and accurate; ought to have a place on every desk."



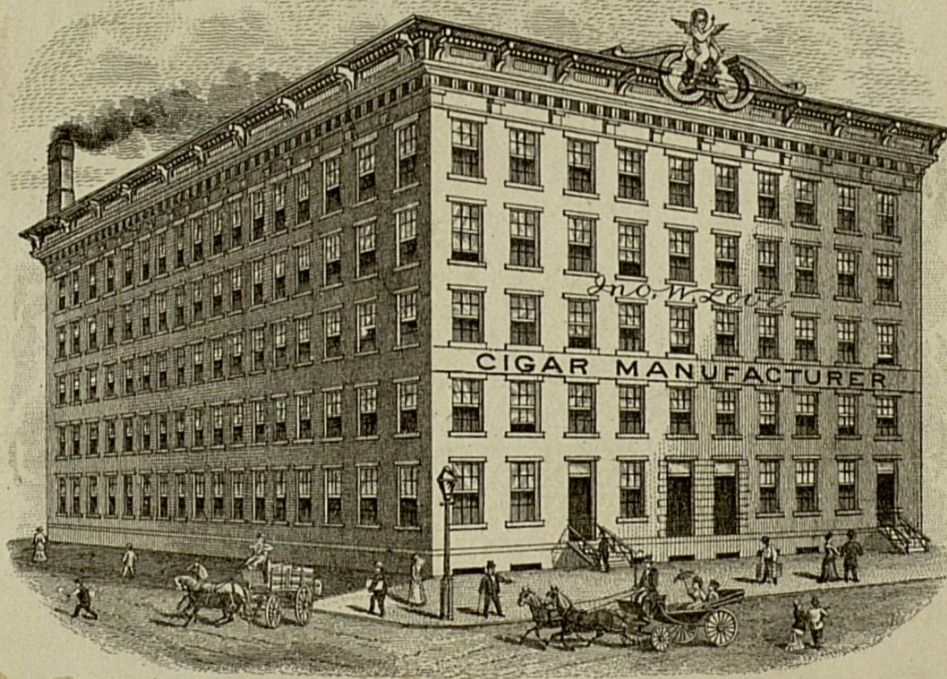
COR. FIRST AVE.

& 74TH STREET.

J. W. A. MARKS,

General Southern Agent

47-M-64



R. ARNSPIGER.

L. ROYALTY.

R. ARNSPIGER & CO.

General Insurance Agents

(NON-BOARD. NON-UNION. NON-COMPACT.)

We stand in open competition for business without any attempt to sustain ourselves by organizing with other Agents against the rights and interest of the insuring public.

No. 30 NORTH MILL STREET,

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 NORTHWESTERN OIL COMPANY.

 **DAVIS BROTHERS** 

MANUFACTURERS AND JOBBERS IN
MACHINERY AND BURNING
OILS,
R. R. GREASES, ETC., ETC.

JOBBERS IN
Paints, Colors, Varnishes,
BRUSHES,
ETC., ETC.

253 EAST WATER ST.,

MILWAUKEE.

Directions for making Soap.

Dissolve ²⁰25 pounds *stock* in sufficient *boiling water* to cover the stock, or turn on steam, where it is convenient. After the stock is thoroughly dissolved, add sufficient quantity of *warm, soft* water to make the whole measure 40 gallons. Stir the entire mass well, put into flat tubs or casks sawed in two, let it stand and cool, then it is ready for use.

 This is an excellent soap for all *Laundry, Kitchen and Scrubbing* purposes, is *purely vegetable*, will not injure clothing and will heal the flesh, instead of causing sore or chapped hands, as most all other soaps do. Follow directions, give it a fair trial and you will have the best and *most economical* soap ever produced.

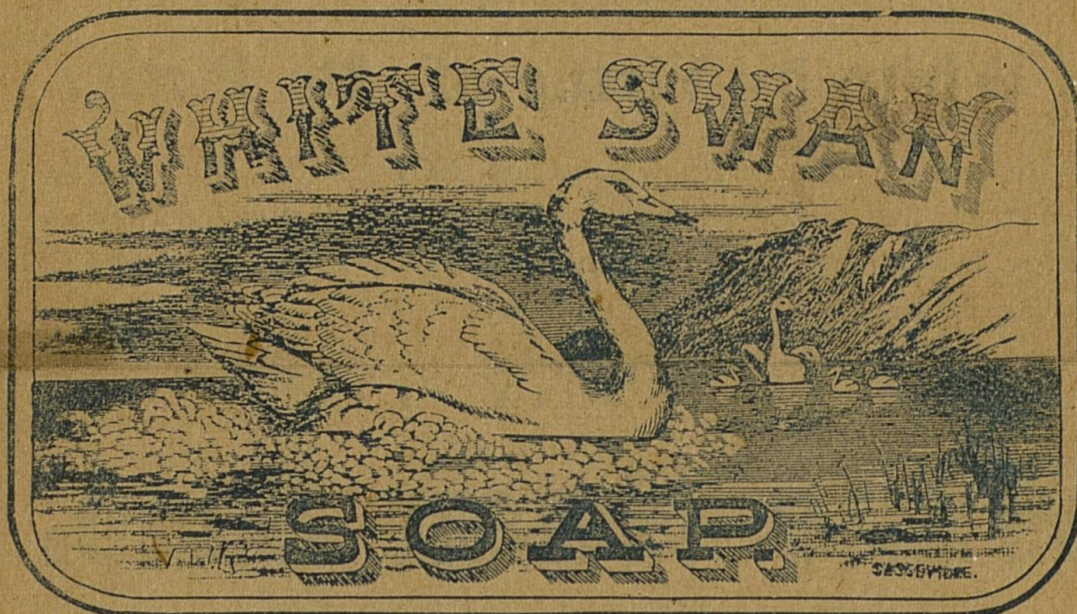
Davis Bros. & Porter.

MILWAUKEE, WIS.

Isaac W. Pennock

49-W-67

WASHING MADE EASY BY USING



**washes With or Without Boiling. Second to no
Other. Directions with Every Cake.**

It is **STRICTLY PURE**. Being pure it requires less to do the work.

It is produced from Prime Tallows and Vegetable Oils.

It contains **NO RESIN** to yellow and shrink the clothes.

It contains **NO PUTRID** or **DISEASED ANIMAL FATS**.

It contains **BORAX**, one of the best disinfectants known.

It is made by an entirely New Process **RETAINING** the **GLYCERINE**.

It will not injure the most delicate fabric.

It leaves the goods clear and white and the hands soft and smooth.

It will remove ink-stains from linens and grease and paint spots from clothes as nothing else will. It produces a fine polish when used in starch.

For the Bath it is a luxury; affording a creamy lather, similar to White Castile Soap; very unlike the cheap resin and sal soda soaps.

DIRECTIONS FOR USING WHITE SWAN SOAP WITHOUT BOILING THE CLOTHES.

Have the water just warm enough to hold your hand in comfortably; then put your clothes in, drawing out one at a time on the wash-board, and rub the soap over it lightly, being careful to soap all the soiled places; then roll up snugly as you would when sprinkled for ironing, and lay in the tub under the water; let them remain there twenty or thirty minutes; then rub them lightly on the wash-board and the dirt comes out. If, however, any streaks are hard to wash out, rub more soap in and put back in the tub for a few minutes; next rinse in luke-warm water, washing every place lightly on the wash-board, without any more soap, and be sure to get all the dirty suds out. Blue and hang out in the ordinary way.

THE CHEAPEST.

THE BEST.

GIVE THIS SOAP A TRIAL.

DAVIS BROS., Milwaukee.

47-M-64

BE NOT DECEIVED !

THE WHITE SWAN SOAP

Is White by Virtue of Its Purity.

Rosin or the ordinary yellow soaps are NOT PURE. They contain from twenty-five to one hundred per cent of rosin that does not wash a particle, but yellows the soap, shrinks and yellows the clothes, makes washing hard and renders boiling necessary.

USE ONLY THE

White Swan Soap.

IT WASHES WITHOUT BOILING.

It is the Best and Cheapest.

Following are a few of the thousands of testimonials received unsolicited :

We are using the "White Swan" Soap and can fully testify to its merits. It has no superior in the market.

SKINNER & GODFREY,
American Palace Steam Laundry,

Buffalo, N. Y.

Send me a barrel of "White Swan" Soap chip, the same as last order. It is the best I can get.

GEORGE WILSON, PROPRIETOR,
Auburn Steam Laundry,

Auburn, N. Y.

DEAR SIR:—Your "White Swan" Soap is just what we want. It is the best Laundry Soap we have ever used.

N. V. VEILE, Laundryman, Corning, N. Y.

GENTS—I have used the "White Swan" Soap for the past four months and find it does better work and more economical than any soap I have heretofore used.

JOHN WENDELL, Star Laundry, Buffalo, N. Y.

GENTS—Your Soap, "White Swan," I consider really the best soap for all laundry purposes I have ever used.

AMOS S. BARNUM, Prop. Empire Laundry, Utica, N. Y.

DIRECTIONS FOR USE.

One wine-glassful about half an hour before or immediately after each meal, or as the physician may direct; for children a proportionate quantity.

If taken upon rising in the morning, VIN MARIANI will relieve all uneasiness of the stomach, and remove that faintness to which so many persons are subject.

IMPORTANT.

Artists of the lyric and dramatic stage, vocalists, lawyers, ministers, teachers, orators, in fact all who use the voice, will find that there is absolutely nothing so strengthening and beneficial to the voice and vocal cords as the VIN MARIANI, and, if taken regularly, and about half an hour previous to appearing before their audiences, the most satisfactory results will be obtained.

The Grand Opera, Conservatory of Music, and every theatre of Paris, supply their artists for this reason, with the VIN MARIANI, by advice of eminent physicians, and it is stated by the most celebrated specialist in throat diseases, of Paris, Professor Charles Fauvel, who prescribes it daily in his clinique, that the VIN MARIANI has not its equal, its effect being noticeable instantaneously, and we quote, by permission, his own words from one of his greatest medical works: "Le Vin Mariani est le plus agréable et le plus efficace des toniques et des stimulants, et le teneur par excellence des Cordes Vocales."

Special attention is called to our other preparations of "Coca," "Elixir Mariani," "Pâte Mariani," and "Thé Mariani."

"Elixir Mariani" is an agreeable liqueur or cordial, most advantageously replacing all the other cordials. It possesses all the virtues of the Coca and is highly recommended by the medical profession. Dose, one to two liqueur-glassfuls three times a day.

"Pâte Mariani" is a tonique and pectorale crystallized lozenge of Coca, specially adapted to throat and lung troubles; and to persons using the voice they will be found unequalled. Dose, from six to ten per day, or as occasion may require.

"Thé Mariani" is a specially concentrated extract or infusion of Coca; tonique, stimulating and nourishing, it is "Non-Alcoholic" and will be found excellent in such cases where alcoholic stimulation is undesirable. Dose, one to two teaspoonfuls three times a day.

Taken in cup of milk or cream, or any liquid, hot or cold, with sugar if desired, it will be a most agreeable beverage. For cases of morphiomania and opium habit, intemperance, sleeplessness, brain exhaustion, and bodily over-exertions, it is the most useful medicament, the effect being felt instantly.

The excellent reputation of our preparations and endorsement of every physician testing same, since nearly a quarter century, will warrant a thorough trial.

To be obtained at retail through any pharmacist, but we caution our patrons against all imitations and worthless preparations.

Yours very truly,

MARIANI & CO.,

19 East 16th Street,

Paris: 41 Bd. Haussmann.

Laboratory: Neuilly-sur-Seine.

Bet. Broadway & 5th Ave.,

NEW YORK.

N. B.—It is important to keep the VIN MARIANI in a moderately cool place.

PARIS:

NEW YORK:

VIN MARIANI

A LA COCA DU PÉROU

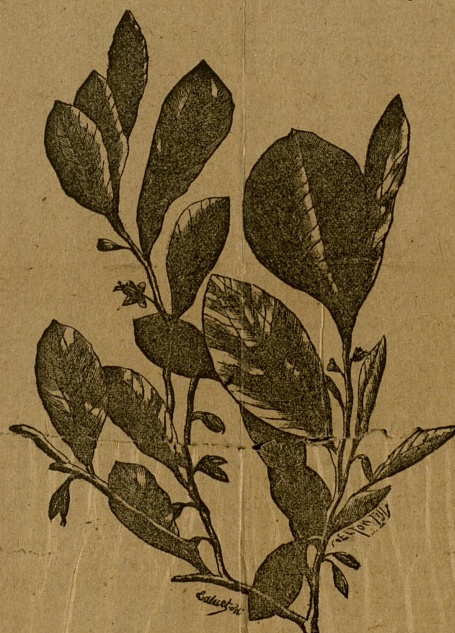
LE PLUS EFFICACE ET LE PLUS AGREABLE DES TONQUES
ET DES STIMULANTS.

THE MOST EFFICACIOUS AND AGREEABLE OF TONICS AND STIMULANTS.

MARIANI & CO.,

Paris: 41 Boulevard Haussmann.

New York: 19 E. 16th St., bet. Broadway & 5th Ave.



ERYTHROXYLON COCA PLANT.

"VIN MARIANI."

(MARIANI WINE.)

Strengthening and nourishing, "VIN MARIANI" sustains and refreshes the body and brain, and has deservedly gained its excellent reputation and great superiority over all other so-called tonics, such as Cinchona, Calisaya, Iron, etc., as it is more effective and rapid in its action, being a diffusible tonic, which may be taken for any length of time with perfect safety, without causing (as the other tonics invariably do) injury to the system, the stomach and gastric juices; to the contrary, VIN MARIANI aids digestion and assimilation, removes fatigue and improves the appetite, never causing constipation.

It has been thoroughly tested for over 20 years throughout Europe, and we have the testimonials and endorsements of more than two thousand of the most eminent physicians of the world, assuring us of their utmost satisfaction with the results obtained in their practice by the use and aid of the "VIN MARIANI," adopting it in all the hospitals, clinics, and public institutions with which they are connected, and urgently recommend its use in the treatment of anemia, impurity, and impoverishment of the blood, consumption, weakness of the lungs, asthma, nervous debility, loss of appetite, malarial complaints, biliousness, stomach disorders, dyspepsia, languor and fatigue, obesity, loss of the forces, and weakness caused by excesses, and similar diseases of the same nature.

VIN MARIANI is specially adapted for children, persons in delicate health, and for convalescents; it is very palatable, and agreeable to take and can be borne by the most enfeebled stomach, where every thing else would fail.

In the Senate and Chamber of Deputies of France there is always kept a supply of the VIN MARIANI, and it was specially recommended and introduced by the Government medical staff, for use in the army, owing to its essentially sustaining properties giving such unusual power of endurance in both physical and mental labors of all description. After many and severe tests it was effectually proven that, in the same space of time, more than double the amount of hardship and work could be undergone, when using "VIN MARIANI," and positively no fatigue was experienced.

The Paris Academy of Science and Medicine, under the superintendence of the well known Professor Bécclard, have rigorously tested all Coca preparations, and awarded to M. Mariani the highest honors, admitting that he was the only living chemist, able by his life-long study, to extract all the medicinal virtues from the Erythroxylon Coca plant (grown in Peru), and the Academy and its members use exclusively Mariani's preparation of Coca for all their physiological experiments, and have given to it his name, being now known to the medical profession as "VIN MARIANI," the highest honor which could be awarded him.

"Vin Mariani" Erythroxylon Coca.

Connue depuis la plus grande antiquité, vénéree sous l'empire des Incas, constituant l'une des principales ressources du Pérou et de la Bolivie depuis la domination espagnole, la Coca n'a été introduite en Europe que depuis quelques années; mais déjà ses propriétés bienfaisantes lui ont acquis le premier rang parmi les toniques dans la thérapeutique de notre pays.

C'est le VIN MARIANI à la Coca du Pérou qui, de tous les produits de la Coca, est le plus apprécié des médecins et du public. C'est le réparateur par excellence des troubles digestifs. Son action tonique et stimulante immédiate la place bien au-dessus du Vin de Quinquina. Il a encore sur celui-ci l'avantage de pouvoir être employé indéfiniment, sans que le malade ait à redouter les effets qui sont la conséquence générale de l'usage, même modéré, du Quinquina (Echauffements, Constipations, Embarras gastriques.)

Expérimenté dans les hôpitaux de Paris et approuvé par nos sommités médicales, il est journellement prescrit avec succès pour combattre l'Anémie, la Chlorose, les Maladies de l'appareil digestif et des voies respiratoires, et l'Affaiblissement de l'organe vocal.

Ni trop alcoolique, ni trop sucré, le VIN MARIANI convient merveilleusement aux enfants, aux personnes faibles et délicates, aux femmes relevant de couchés, aux vieillards épuisés par l'âge, la maladie ou les excès, et en un mot tous ceux qui ont besoin de relever leurs forces perdues.

Son action tonique sur les cordes vocales, observée dans la clinique de *Laryngoscopie* d'un de nos spécialistes les plus distingués, M. le docteur CH. FAUVEL, a valu au VIN MARIANI le nom de "*Tenseur des cordes vocales*." C'est ce qui explique le grand usage qu'en font les Artistes lyriques, les Orateurs, les Prédicateurs, les Avocats et tous ceux qui ont besoin de chanter ou de parler en public.

Dose : Un verre à Madère ou à Bordeaux (selon l'âge ou le cas) à peu près une demie heure, avant chaque repas ou immédiatement après. Un verre à Bordeaux pris le matin à jeun dissipe les maux d'estomac et les défaillances auxquelles sont sujettes un si grand nombre de personnes.

"VIN MARIANI,"
ERYTHROXYLON COCA.
(Mariani Wine.)

SOLD ONLY IN BOTTLES WITH CAPSULE COVER
AND SEAL, AS HERE REPRESENTED



Pour se mettre en garde contre les contre-façons et les imitations grossières que le succès toujours croissant du VIN MARIANI a fait naître, le Public doit exiger sur le côté de la capsule qui recouvre chaque bouteille, la signature de l'inventeur.

AVIS IMPORTANT.

Our preparations of "Erythroxylon Coca" are indorsed and prescribed by eminent physicians throughout Europe and America as the most agreeable and effective of Tonics and Stimulants. Carefully prepared and bottled at our Paris Laboratory under the immediate supervision of M. MARIANI, and never sold in bulk, to guard against imitations.



FIRST-CLASS WORK A SPECIALTY.

HOYT

Carriage Manufacturer,

Corner Main and Spring Streets,

LEXINGTON, KY.

Repairing Neatly and Promptly Executed.

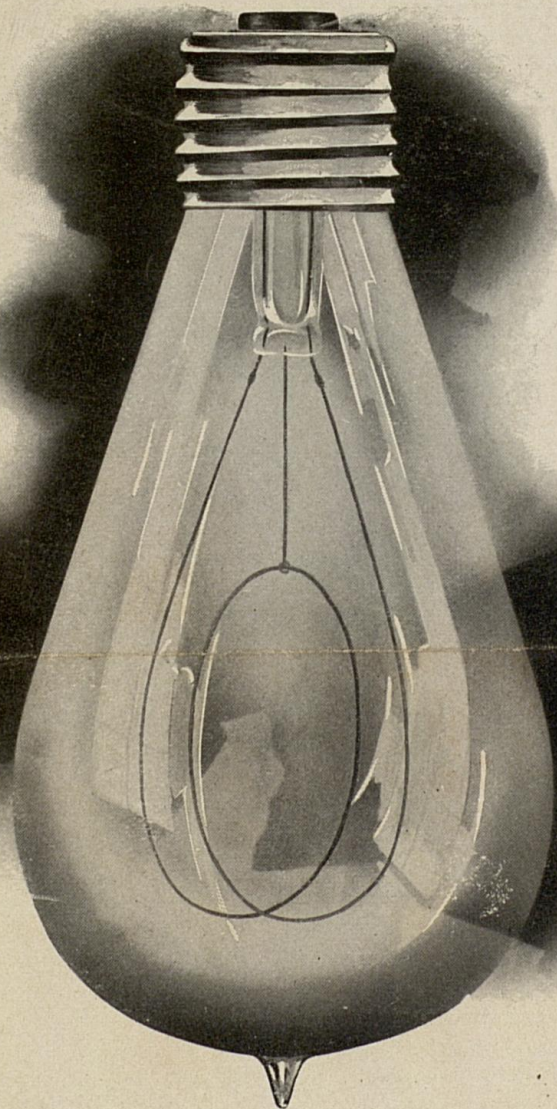
47-M-64

I Keep constantly on hand a full and complete stock of Laundalet Rockaways, Turn-seat Rockaways, latest style Barouches, Basket, Canopy-top and Doctor's Phætons, Double Seated Side-Bar Drags, Side-Bar and Eliptic Spring Buggies, Sulkies, Break Wagons, &c., &c., all of which are manufactured at my shop, and fully warranted to be strictly first-class. I employ experienced mechanics only, and use none but the best material in the market. To avoid all trouble with wheels, I have employed an experienced wheel-maker, purchase all of my spokes and hubs at one of the best seasoning factories in the East, and have all the wheels made in my shop BY HAND. I claim that by this means I am furnishing the best wheel that is sold in this or any other market in the United States. I use all of the latest improvements on carriages, viz: The Double Lock Whiffletree Plate, Rubber Cushioned Shaft Clip, Round Edge Steel Tire, (which has no equal, IMPOSSIBLE to break it), Spring Washer Axle, which is the greatest improvement on washers in existence. It does not necessitate the cutting away of the hub any more than the ordinary axle. I am also prepared to furnish the Rubber Cushioned Axle, so that in ordering a carriage the purchaser can have choice at no extra expense.

Call and examine the stock and material before purchasing. My prices are as low as the lowest. Special attention will be given to all kinds of repairing, at prices to suit the times.

Respectfully,

H. WEIMAN, CARRIAGE MANUFACTURER,
Corner of Main and Spring Street, LEXINGTON, KY.



16 c. p., 110 volts

Sunbeam Incandescent Lamp Co.

242 SOUTH JEFFERSON ST., CHICAGO

NEW
TYPE
**SUNBEAM
LAMPS**

insure the
greatest saving
to users,
because of the

*ABSOLUTE
UNIFORMITY
and
MAINTENANCE
OF CANDLE
POWER*



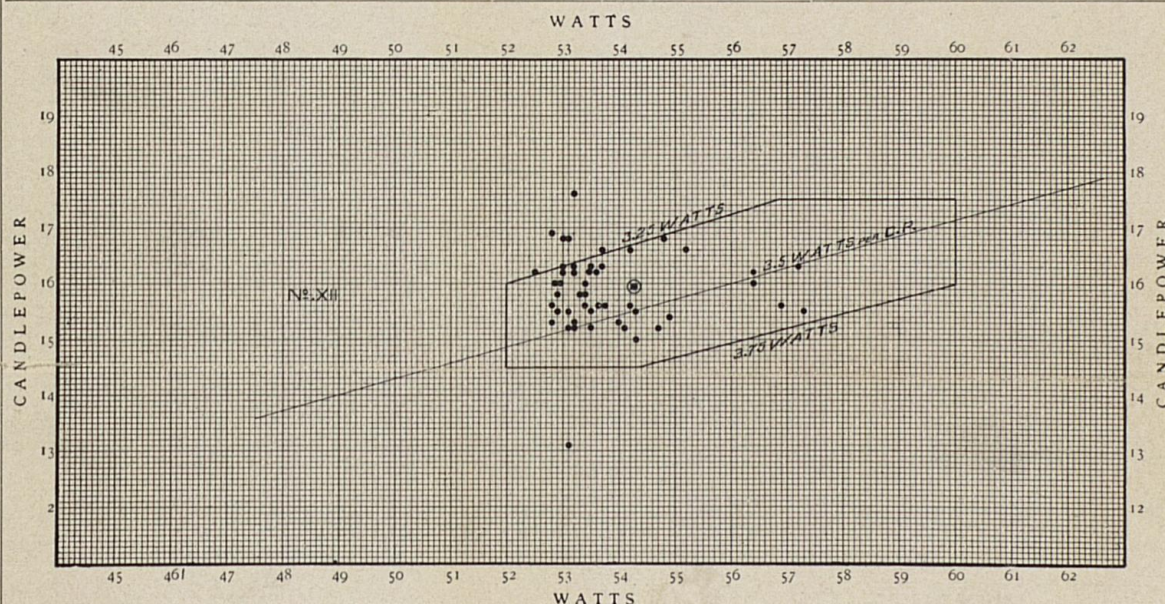
Try some free
samples

OVER

47-M-64

172 S. 6-01-10M

You cannot afford NOT to try them



The diagram reproduced above shows
the almost perfect uniformity of

NEW TYPE SUNBEAM LAMPS

These were not especially selected, but were
taken at random from stock.

OVER

Don't Fail to see The World Renowned
WITH
WHITE SEWING MACHINE ITS PERFECT
AUTOMATIC BOBBIN WINDER.



James M^cManus

White Sulphur

Scott Co

69-W-64 Ky

THE WHITE

BEST
IN THE
WORLD



SEWING MACHINE

MANUFACTURED BY THE
WHITE SEWING MACHINE CO.,
CLEVELAND, O.

47-M-64

Mrs. S. W. Gouin
Duckers.
Woodford. Co
Ky.



SNEAD & CO. IRON WORKS.
No. 1, two feet high.



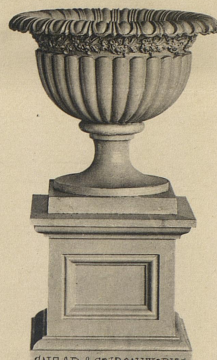
SNEAD & CO. IRON WORKS.
No. 3, three feet high.



No. 5, four feet high.

VASES, PLATE 1.

THE SNEAD AND CO. IRON WORKS,
LOUISVILLE, KY.



SNEAD & CO. IRON WORKS.
No. 2, three feet six inches high.



SNEAD & CO. IRON WORKS.
No. 4, three feet high.

Vermont Maple Sugar Makers' Market.

PRICE LIST.

MAPLE SYRUP.

A grade in gallon cans,	.	.	.	.	\$.90
AA grade in gallon cans,	.	.	.	.	1.10
Extra AA grade in gallon cans,	.	.	.	.	1.25
AA grade in full quart bottles,	.			per dozen,	4.00
AA grade in full pint bottles,	.			" "	2.25
Extra AA grade in full quart bottles,	.			" "	4.50
Extra AA grade in full pint bottles,	.			" "	2.50

MAPLE SUGAR.

A grade in 10-lb. pails,	.	.	.		10c per lb.
AA grade in 10-lb. pails or 5-lb. cans,	.				12c "
Extra AA grade " " " "	.				15c "
A grade in 1-lb. bricks,	.	.	.		10c "
AA grade " " " "	.	.	.		12c "
Extra AA grade " " " "	.	.	.		15c "
Extra AA grade in 2-oz cakes in 1-lb. boxes,					20c "
AA grade in 2 and 4-oz. cakes in boxes					
				of 10 lbs. or more,	15c "
AA Soft Sugar in 2 or 5-lb. cans,	.				12c "
Extra AA " " " " "	.				15c "
Pure Maple Candy,	.	.	.	.	40c "

Prices F. O. B. Randolph. Terms: 1 per cent discount cash 10 days or with order. 30 days net with satisfactory reference.

Orders for \$25 will be pre-paid by freight in New England and New York.

Orders for \$50 will be pre-paid by freight east of Mississippi river.

Orders for \$25 or more west of Mississippi river will be given a discount of 5 per cent in lieu of freight.

Syrup in 2-quart cans 10c per gallon extra. Syrup in 1-quart cans 20c per gallon extra.

Quotations on Tub Sugar and B Grade Syrup, in any package furnished on application.

Order Sheet.

Vermont Maple Sugar Makers' Market,

Gentlemen:--Please ship the following order for maple goods to the address given below.

[illegible]

Ship to Name.....

P. O. Address

Shipping point.....

*EXPRESS OR FREIGHT.

Date of order 190

When Ship arrived you at your destination has your diff er ence and cost?

*Erase either Freight or Express.

For Price List see other side.



BARNES-CROSBY COMPANY
E. W. HOUSER, PRES.
ENGRAVERS
CHICAGO NEW YORK ST. LOUIS

FROM THE
ST. LOUIS HOUSE
214-216 CHESTNUT STREET.

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Barnes-Crosby Designs and Engravings
are like competent employes—they ac-
complish what is expected of them—
often more.

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E. W. HOUSER, President

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41 Union Square

ST. LOUIS
214-216 Chestnut St.

BRANCHES

DETROIT
1309 Majestic Bldg.

CLEVELAND
962 Rose Bldg.

MOLINE
316 Sixteenth St.

MEMPHIS
52 Porter Bldg.

KANSAS CITY
214 E. Eleventh St.

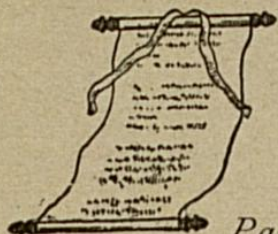
MINNEAPOLIS
436 Andrus Bldg.

MILWAUKEE
821 Herman Bldg.

"Engraving Day and Night"

★ Masonic Publishing & Sup. Co., 34 Park Row, N. Y.

Book of the Law.



Genuine parchment on

Rosewood or bronze, 2 rolls	1.25
Rose-wood or " 1 "	1.00
Walnut or " 2 "	1.00
Walnut or " 1 "	.75

Parchment Bond on

Walnut or bronze, 2 rolls.	.75	1	"	.50
----------------------------	-----	---	---	-----

Heavy Ledger Paper on

Light colored wood, 2 rolls.	.50	1	"	.35
------------------------------	-----	---	---	-----

Book of Marks.

Bound half leather. Scarlet, with blanks for name, description, mark master, and exaltation.

500	350	250	150
400	300	200	100

Also made special, to order. Russia binding, gilt name, etc.,. Send for sample print and estimates,

Album. record and marks,	20.00	to	5.00
Album and marks,	10.00	to	2.50

Seal Presses.



The celebrated Lion Head, with Metal-foundation-counter-sink. Regulation Lodge size to order. According to any design,

\$10.	9.	8.	7.	6.	5.50	5.	4.50	4.	3.75	3.50
-------	----	----	----	----	------	----	------	----	------	------

Send for impressions.

Seals.

Nicely cut, extra adhesive.

Blue or scarlet, per 100	.25
Gold or black, per 100	.35

All other kinds, sizes & prices.

Extra color and quality, send for sample.



47-M-64

SPECIAL NOTICE.

While a great many numbers in the last Sale-Catalog were sold, we may be able to quote you price of duplicates on hand or learn where they can be had.

Our card system mentioned in the catalog is bringing to light many old books, as well as "wants" for some you may have to dispose of. We will be glad to have you mention any "for sale," as well as make inquiry for any you would like.

Fraternally yours,

MACOY PUB. & MASONIC SUPPLY CO. (Inc.)

34 PARK ROW, NEW YORK, N. Y. U. S. A.

CATALOGUE No. 16.

RUBBER STAMPS

SEAL PRESSES
STEEL STAMPS
STENCILS



INK PADS
CHECK PROTECTORS
RUBBER TYPE.....

MANUFACTURED BY

J. L. RICHARDSON & CO.,

37 West Short Street,

LEXINGTON, KY.

WE SUPPLY EVERYTHING IN THE
RUBBER STAMP LINE.

ORDER BY NUMBER.
DO NOT CUT THE CATALOGUE.

A FEW SAMPLE STAMPS.

No. 700. 15 cents.

EDGAR RAYMOND.

No. 701. 15 cents.

CONLIN & CO.

No. 702. 15 cents.

Ethel Brown.

No. 703. 15 cents.

DUPLICATE.

No. 704. 15 cents.

ENTERED.

No. 705. 51 cents.

PAID

No. 706. 25 cents.

30 Days Net or
2 per cent. 10 days.

No. 713. 45 cents.

PAST DUE!

*This account has, no doubt, escaped
your notice. Will you please favor us with
a remittance by return mail. and oblige?*

No. 708. 25 cents.

Received.....

Answered.....

No. 709. 35 cents.

PAY TO THE ORDER OF

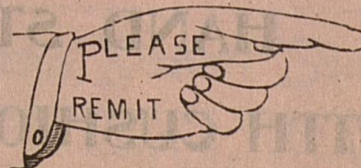
Peoples' Bank of Balto

JOHN E. HURST & CO.

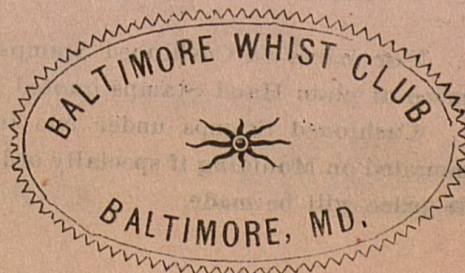
No. 710. 45 cents.

Owing to the continuous fluctuations
in prices of crude material, the quotations
given in this price list are hereby with-
drawn. Prices given only on application.

No. 711. 25 cents.

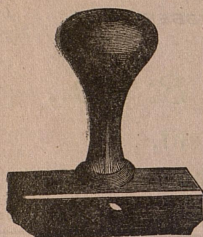


No. 712. 60 cents.



PRICE-LIST OF RUBBER STAMPS.

Hand Stamps.



VARNISHED HARDWOOD
BASE, BLACK
ENAMELED HANDLE.

- One-line Stamp, not over three inches long, 15 cts.
Each additional line on same stamp, 10 cts.
 - One-line Stamp, over 3 and not over four inches long, 20 cts.
Each additional line on same stamp, 15 cts.
 - One-line Stamp, over 4 and not over six inches long, 25 cts.
Each additional line on same stamp, 20 cts.
 - One-line Stamp, over six inches long, per inch 5 cts.
Each additional line, same price.
- Prices based on longest line on stamp.
- Stamps containing contracted rule work, or special or peculiar designs, prices reasonable or quoted on application.
- Curved lines on stamp, count as two lines except where they occur inside a round or oval border.
- Borders of all shapes, under three inches long way 25 cents extra. Larger sizes at proportionate prices.
- Where type used is over one-half inch in size we charge for one line for each one-half inch or fraction.

MOULDING STAMPS.

POLISHED HARDWOOD.

WE MAKE NO
MOULDING STAMPS
WIDER
THAN ONE INCH.



FOR PRICES
DEDUCT 5 CENTS
PER STAMP
FROM ABOVE LIST.

HAND STAMPS WITH CUSHIONED BASE

POLISHED HARDWOOD BASE, BLACK ENAMELED HANDLE.

For prices on Cushioned Stamps add one-third to the price of plain Hand Stamps quoted at top of page.

Cushioned Stamps under one inch in width can be mounted on Moulding if specially ordered, but no reduction in price will be made.



Self-Inking Stamps.

Specimen Dies for Midget Self-Inkers.

No. 1. 40 cents.

RETURN IN 5 DAYS TO
Ottawa Glass Works,
OTTOWA, ILLS.



No. 2. 60c.



JESSE ROSS.
FLORIST,
CHARLESTON, S. C.

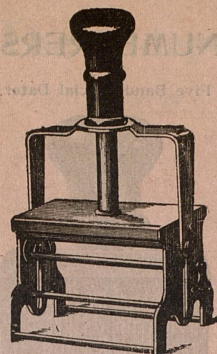
No. 5 Band Dater. \$2.00

Received Payment,

NOV 30 1898

MORRIS BROS.,

Per.....



No. 4.

80c.

WILLIAM N. FRANKEL,

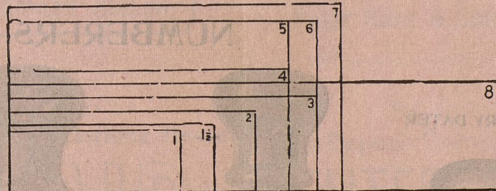
—PACKER OF—

TIGER BRAND OYSTERS,

FISH and GAME always on hand.

4 ROSE ST., YORK, PA.

DIAGRAM SIZE OF DIE PLATES.



Combination Pen and Pencil Stamp.

THREE ARTICLES COMBINED IN ONE.



Prints 1, 2 or 3 Lines. When closed, occupies only space of common pencil. Brass, Nickel Plated.

PRICE WITH DIE, - - - 25 CENTS.

SPECIMEN DIES FOR PEN AND PENCILS.

MOLLIE CARR.

PAID
JOHN HORNICK.

HENRY SMITH, M. D.,
No. 20 Albemarle Street,
IOWA, NEB.

U. S. LINE DATERS and NUMBERERS.

Five Band Special Dater.



No. 1, 25 cents.
NOV 27 1895



No. 1½, 25 cents.
OCT 25 1898



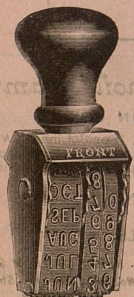
Either Style, Price 75 Cents.
Style A.
Rec'd DEC 14 1896

No. 2, 50 cents.
FEB 22 1898

Style B.
SEP 25 1895 PAID

NUMBERERS.

LIBRARY DATER



Price 25 cents.
SEPT 25



4 Band, either style,
Price 25 Cents.

6 Band, either style,
Price 50 Cents.

No. 0, 5 7 3 4 8 2

No. 1, 3 4 8 5 9 2



4 Band, 50 cents.
6 Band, 75 cents.

No. 2, 2 3 5 9 7 0

The Independent Band Dater.

Dates for 10 Years, Complete with Die, \$1.00.



This Stamp is the lightest and most simple Band Dater made. The bands are turned by small cogs. The die plates are adjustable and have Air Cushions, which insures a perfect impression even on an uneven surface.

For Styles of Printing Dies Used on This Dater, See Samples Below.

651

656

B. & O. R. R. CO.,

SEP 25 1893

Camden Station.

PAID

JUNE 24 1893.

Peter Rose & Sons.

Per.....

652

657

New York Clothing House.

Safe Deposit Company.

PAID
NOV. 2 1893.

Per.....

ENTERED
FEB. 2 1893

Per.....

648



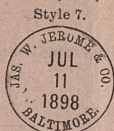
DATING STAMPS FOR CANCELLING INTERNAL REVENUE STAMPS.

We offer the following styles of Stamps for Cancelling Revenue Stamps. The law exacts the stamping of the initials and date, but the use of the entire firm name and address is optional, thus enabling the use of stamp for other purposes.



AIR CUSHION DATING STAMP.

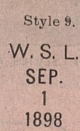
We recommend this stamp for general use, the Air Cushion insures a clean, clear cut impression, and holds the dates firmly in place.



Style 7.

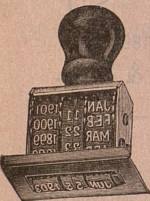


Style 8.



Style 9.

PRICE \$1.00, including Set of Dates in Tin Box.



No. 15 BAND DATER.

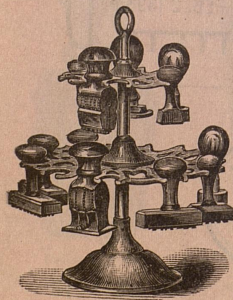
A Band Dating Stamp made especially for this purpose, the dates being on Rubber Bands.

Style 10.
DALE & BRO.
JUL 16 1898
BALTIMORE.

Style 11.
P. C. Y. & CO.
JUL 16 1898

PRICE 75 CTS.

RUBBER STAMP RACKS.



These Racks are made of Metal and beautifully Japanned. They will enable you to keep any number of Stamps in good condition, always within your reach, and never in your way.

.....PRICES.....

No. 1, holding 6 Stamps,	-	Price, \$.50
" 2, " 10 "	-	.75
" 3, " 16 "	-	1.00
" 4, " 20 "	-	1.50
" 5, " 30 "	-	2.50

Best Ink Pad Made for Rubber Stamps



SIX COLORS:

Dark Red, Light Red, Black, Blue, Violet and Green.

SIZES AND PRICES.

No. 0, 2 1/4 x 3 1/2 in.	20 cents
" 1, 2 1/4 x 4 1/4 "	35 "
" 2, 3 x 6 "	50 "

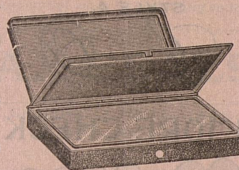
WOODRUFF'S

Patent Replenishable Inking Pad For Rubber Stamps.

THE ONLY PAD THAT CAN BE SUCCESSFULLY RE-INKED.

THIS CUT SHOWS THE PAD PARTIALLY RAISED

ONLY EVERLASTING PAD.



PRICE

50 CENTS.

Size 2 1/4 x 4 1/2 inches.

Made in one Size only. Colors same as the Atlas Pad, quoted above.

Fac-Simile Autograph Stamp,

INCLUDING WOOD CUT, \$1.25.

Smith & Smith *N. P. Conyers*

Charles E. Crowl

MONOGRAM STAMPS.

We have in stock engravings of all combinations of 2 and 3 letter monograms similar to impressions shown below, from which we furnish Rubber Stamps at the extremely low prices quoted.

2 LETTER MONOGRAM COMPLETE WITH INK, &c. 40 cents.



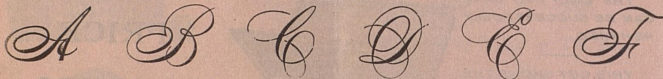
3 LETTER MONOGRAM COMPLETE WITH INK, &c. 60 cents.



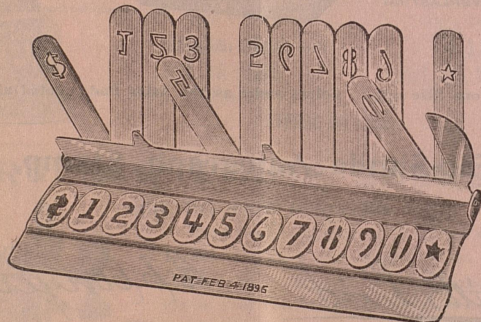
....INITIAL STAMPS....

We carry in stock a complete assortment of Initial Stamps as shown below, and which we furnish put up in a neat box with pad and any color of ink for **25 CENTS**.

STYLE A.



THE BALTIMORE CHECK PUNCH.



PRICE \$1.50.

THE HANDIEST AND MOST UNIQUE CHECK PUNCH on the market, made of steel, nickel-plated, having a perfect and accurate set of Cutting Dies—with Counters, equal in quality to those used in the most expensive Punches made. The exceedingly simple and practical method of operation, dispenses with the expensive style of construction, which makes all other Cutting Punches so costly.

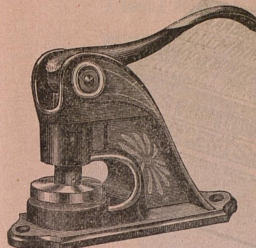
Produces the same work as a \$25.00 Punch, and, not being complicated, can not get out of order. You can not tell the difference between a check punched with the BALTIMORE CHECK PUNCH, and one punched with a \$25.00 Punch.

SEALS

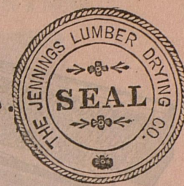
FOR NOTARIES, CORPORATIONS,
SOCIETIES, LODGES, Etc.

No. 2 Press.

Size No. 1.



No. 0 Press.



PRICES OF SEAL PRESSES COMPLETE

LETTERED AS DESIRED.

No. 0 Press, diameter of Seal, 1 1/4 inch, weight 20 oz.	Price \$2.25
" 1 " " " 1 3/4 " " 3 1/4 lbs.	" 2.50
" 2 " " " 2 " " 5 lbs.	" 2.75

All designs such as Emblems, Coat of Arms, &c., contained in Seals will be charged for extra, according to the amount of work in engraving same.

WAX SEALS,

No. 2

FOR SEALING LETTERS, PACK-
AGES, Etc.

No. 1

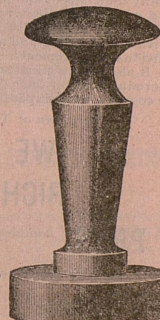


Wood Handle

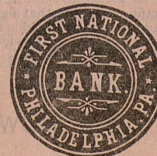
Made in various sizes and styles.
The No. 1 has nicely finished hard wood handle, and is the style of Seal in General use.
The No. 2 has a solid brass handle, nickel-plated, very strong and heavy, suitable for railroad or express use.

PRICES

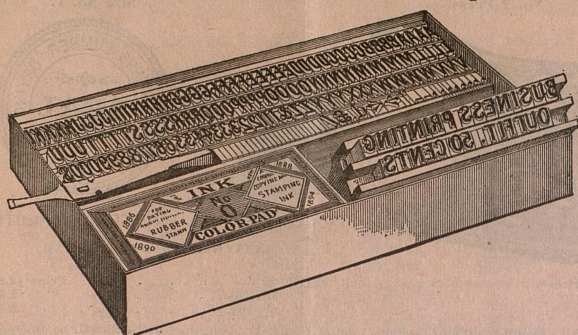
Initials 1/2 in. diameter, plain letter,	\$.35
Initials 3/4 in. " " plain, Old English	
or Script,	.50
Plain lettering, 1/4 and 1/2 in. round or oval,	1.25
1 1/4 and 1 1/2 in. " " "	1.50
Trade Marks, Emblems or designs require	
special estimates.	



Solid Brass-Nickel



The Merchants' Rubber Stamp Outfit.



The illustration shows our Merchants' Outfit, designed to enable business men, societies, or others who have occasion to use Rubber Stamps with different wording, at different times and want them in a hurry, to make up their own stamps from the solid rubber type and holder comprised in the outfit. The advantages thus offered are very many, as can be readily understood; and in every instance where it is desired to send a brief notice—the same to a number of different people, there is nothing better for the purpose than "THE MERCHANTS' OUTFIT." Changes in price lists, new goods received, notice of salesmen's arrivals, and a thousand and one other important uses will suggest themselves, according to individual requirements.

It also proves a most useful, instructive and inexpensive printing outfit for boys, and will determine whether their desire to learn the art of printing is permanent enough to warrant the cost of a more expensive outfit with metal type and press.

Specimen of Timely Notice set with Merchants' Rubber Stamp Outfit.

**WE HAVE JUST RECEIVED A
RICH LINE OF DRESS GOODS.**

PRICE, complete with Two Line Holder, Ink, Pad, Tweezers, 50 cts.

For Outfits with one, three or four line holders, different type faces or other changes from the above, prices are proportionately low.

The Family Marking Outfit.

This is practically the same as the Merchants' Outfit, excepting that figures are not included; ink that is absolutely indelible is furnished, and a one line holder is substituted for the two line. For marking linen, and similar uses, it is a simple, serviceable, low-priced outfit, which answers perfectly, every requirement for which it is intended.

Specimens of names marked with Family Marking Outfit.

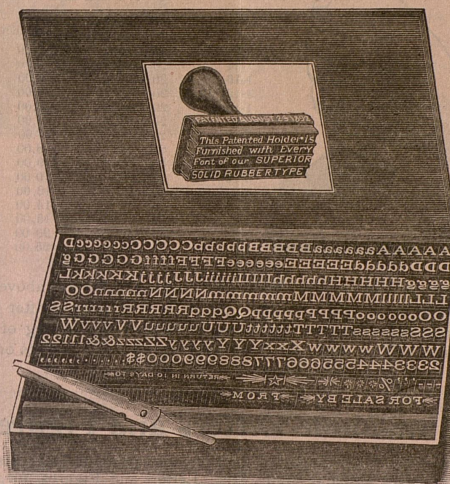
B. D. WILDER.

C. A. HOWE.

PRICE, complete with solid rubber type, one line holder, indelible ink, pad and tweezers, 25 cts.

SOLID RUBBER TYPE.

A SINGLE RUBBER STAMP THAT DOES THE WORK OF A DOZEN.



No. 13 TYPE AND HOLDER.

The cut above shows our hand-stamp and box of type ready for use. The lettering is changeable and can easily be replaced with any wording as often as desired. We furnish with each stamp a neat box containing several complete sets of alphabets, exactly as indicated in cut.

FOR \$2.00 WE WILL SEND (CHARGES PREPAID)

This outfit, from which you can adjust at will various stamps for printing Letter Heads, Business Cards, Envelopes, Labels, Price Marks, Tags, Receipts, etc. This stamp will do the work of a small printing press. It consists of a Four Line Stamp, a pair of Tweezers for adjusting the type, and a box of Rubber Letters containing 285 SEPARATE PIECES, consisting of Letters, Figures, Points, Ornaments, Spaces, etc. also the words "Return in 10 days to," "From," and "For Sale by," in solid blocks of rubber. With this outfit you can do any work desired with your stamp. The following are specimens of type furnished

A A a a a B B b b b C C c c c D D d d d E E e e e F F f f
f f G G g g g H H h h h I I i i i J J j j K K k k L L l l l M
M m m m N N n n n O O o o o P P p p p Q q q R r r r r
S S s s s T T t t t U U u u V v v W W w w X x Y Y y
y Z z z & 1 1 1 2 2 2 3 3 3 4 4 4 5 5 5 6 6 6 7 7 7 8 8 8 9 9 9 0 0 0 \$. . . ,
, , , ' ' ' % * * * * *

FROM

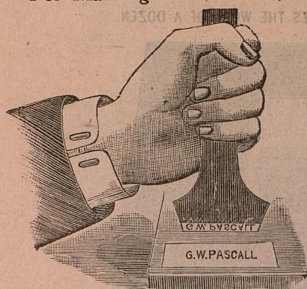
RETURN IN 10 DAYS TO

FOR SALE BY

Style B Type is same as above, but has only one-half as many letters and a two line holder. Price \$1 00.

Hand-Made Steel Stamps

For Marking Iron, Wood, Copper, Brass, Tin, Leather, &c.



PRICES

Size.	Name Stamp, per letter.	Letters, per alphabet.	Figures, per set.
1-32 inch,	25 cents.	\$ 7.00	\$2.25
1-24 "	20 "	6.00	2.00
1-16 "	20 "	6.00	2.00
1-12 "	20 "	6.00	2.00
1-10 "	20 "	6.00	2.00
1-8 "	20 "	6.00	2.00
5-32 "	25 "	7.00	2.35
3-16 "	25 "	8.00	2.65
1-4 "	30 "	9.00	3.00
5-16 "	35 "	10.00	3.35
3-8 "	40 "	12.00	4.00
7-16 "	45 "	14.00	4.65
1-2 "	50 "	15.00	5.00
5-8 "	60 "	20.00	6.65
3-4 "	75 "	25.00	8.00

Extra charge will be made for Steel and Forging in Stamps above the size of 3-16 of an inch, at the rate of 75 cents per lb. for the Stamps, after they are made—for in some cases the steel would cost more than the cutting of the letters. No charge will be made for Steel or Forging in Alphabets or figures, unless made to order of an extra length.

Machine-Made Letters and Figures.

On account of the many inquiries for a cheaper grade of Steel Stamps, we are prepared to furnish Machine-Made Steel Letters and Figures, for stamping all kinds of metals, steel, wood and leather, and guarantee them to give satisfaction, and we can supply you with above put up in wood boxes with lid, at following prices.



PRICES

Size.	Figures, per set.	Letters, per set.
1-32 inches,	\$1.25	\$ 3.75
1-24 "	1.25	3.75
1-20 "	1.13	3.39
1-16 "	.90	2.70
1-12 "	.90	2.70
3-32 "	.90	2.70
1-10 "	.90	2.70
1-8 "	.90	2.70
5-32 "	1.13	3.39
3-16 "	1.25	3.75
7-32 "	1.40	4.20
1-4 "	1.50	4.50
5-16 "	1.75	5.25
3-8 "	2.50	7.50
7-16 "	3.50	10.50
1-2 "	4.50	13.50

STENCIL COMBINATION.



For marking boxes, barrels, bags and packages for shipment, and printing notices, signs, prices, etc., and many other purposes.

Each box contains alphabet, figures, ink and brush.

PRICES.

COMPLETE COMBINATIONS.

1/2, 3/4 and 1 inch.....	\$1.00
1 1/2 inch.....	\$1.25
1 1/2 " with small letters.....	1.50
2 inch.....	2.00
2 1/2 ".....	2.50
3 inch.....	2.00

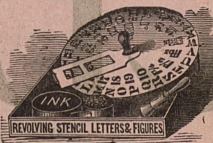
ALPHABETS ONLY, PER SET.

1/2, 3/4, 1/2 and 3/4 inch.....	\$.50
1 inch.....	.60
1 1/4 inch.....	.80
1 1/2 inch.....	1.00
1 3/4 and 2 inches.....	1.20
2 1/2 inch.....	1.60

FIGURES ONLY, PER SET.

1/2, 3/4, 1/2 and 3/4 inch.....	\$.25
1 inch.....	.30
1 1/4 inch.....	.40
1 1/2 inch.....	.50
1 3/4 and 2 inches.....	.60
2 1/2 inch.....	.80

Circular Alphabets and Figures.



The advantage of having all the characters on one plate will be readily seen.

Each Stencil in box with can of black ink and brush.

PRICES.

ALPHABETS WITH FIGURES.

1/2 inch.....	\$1.35	1/2 inch.....	\$1.25	3/4 inch.....	\$1.75
3/4 ".....	1.35	3/4 ".....	1.50	1 ".....	2.00
1 ".....	1.35	1 ".....	1.50	1 1/4 ".....	2.50

ALPHABETS WITHOUT FIGURES.

1 1/2 inch.....	\$2.00	2 inch.....	\$3.00
-----------------	--------	-------------	--------

SETS OF FIGURES ONLY.

1/2, 3/4 and 1/2 inch.....	\$.60	2 inch.....	\$1.50
1/2 and 3/4 ".....	.70	2 1/2 ".....	1.75
3/4, 1/2 and 1 ".....	.80	3 ".....	2.00
1 1/4 ".....	1.00	3 1/2 ".....	2.25
1 1/2 ".....	1.25	4 ".....	2.50

All of our Sign Markers contain 26 Capital Letters, 10 Figures, 10 Symbols, 10 Punctuation Marks, 10 Ornate Initials, 10 Faint Pads, 10 Tubes of Jet Black Ink and a New Gauge, put up in a neat Box.



We can supply many other Styles of Sign Markers, with the same complete Stock of small impression of style desired.

Style A Complete Set of Capitals and Figures \$1.50. With Lower Case, \$3.00. Figures only, 75 cts.

ABCDEFGHIJ

Style B Complete Set of Capitals and Figures, \$1.75. With Lower Case and Larger Figures, \$3.00. Figures only, 75 cts.

ABCDEF

Style C Complete Set, \$3.25. Figures only, \$1.25.

ABCD

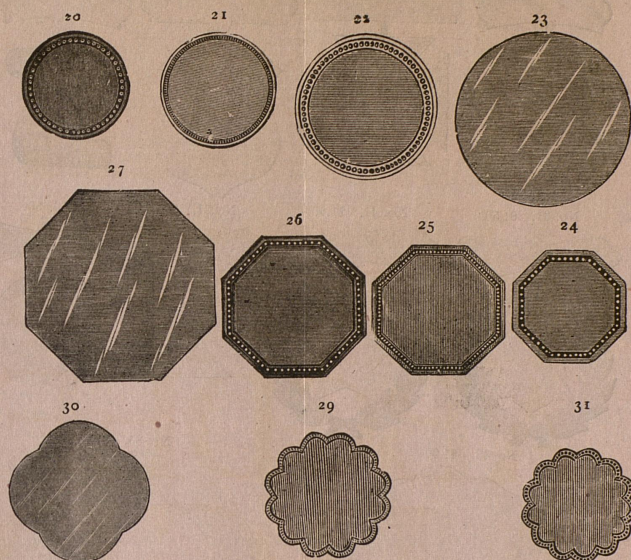
Style D Complete Set, \$5.00. Figures only, \$1.75.

ABC

PRICES OF EXTRA INK AND PADS.—Tubes of Jet Black Ink, 50 cts. Felt Pads, per pair, 40 cts.

Brass Pay Checks.

ALSO USED FOR POOL CHECKS AND DOG LICENSE TAGS.



We furnish the above Checks either plain or stamped with such lettering as desired. See prices below.

PRICES OF BRASS CHECKS.

Stamped to order, lettering not to exceed 5 letters and a number. If more than 5 letters are required an extra charge of 15 cents will be made for each additional letter.

No.	100	500	1000
No. 20.	\$1.00	\$3.00	\$5.00
" 21.	1.00	3.50	6.00
" 22.	1.25	4.50	8.00
" 23.	1.50	5.00	9.00
" 24.	1.00	3.00	5.00
" 25.	1.00	4.00	7.00
" 26.	1.25	4.50	8.00
" 27.	1.50	5.00	9.00
" 29.	1.00	3.50	6.00
" 30.	1.00	4.00	7.00
" 31.	1.00	3.00	5.00

PRICES OF PLAIN BRASS CHECKS.

NOT LETTERED.

No.	100	500	1000
No. 20.	\$.50	\$2.00	\$3.75
" 21.	.50	2.33	4.50
" 22.	.63	3.00	5.50
" 23.	.75	3.33	6.25
" 24.	.50	2.00	3.75
" 25.	.50	2.00	5.00
" 26.	.63	3.00	5.50
" 27.	.75	3.33	6.25
" 29.	.50	2.33	4.50
" 30.	.50	2.67	5.00
" 31.	.50	2.00	3.75

HARD RUBBER CHECKS.

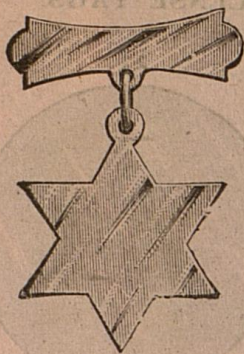
EITHER RED OR BLACK.

Supplied in Nos. 20, 21 and 22 only, at 25% less than above prices.

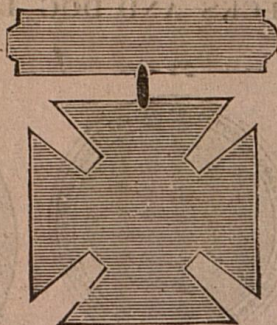
47-M-64

GERMAN SILVER BADGES. LETTERED TO ORDER HANDSOMELY POLISHED.

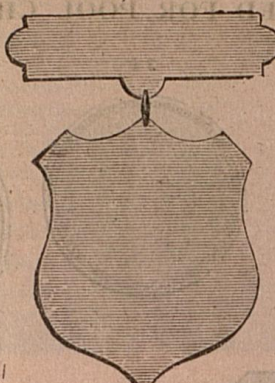
No. 46, 90c.



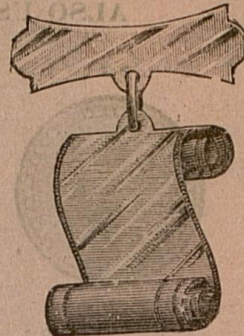
No. 22, 90c.



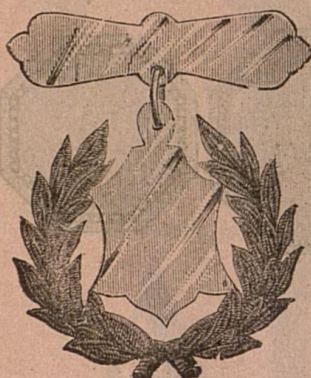
No. 27, 90c.



No. 29, \$1.25.



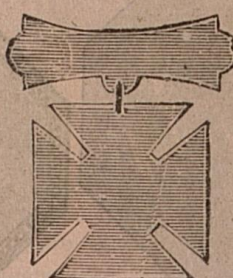
No. 31, \$1.50.



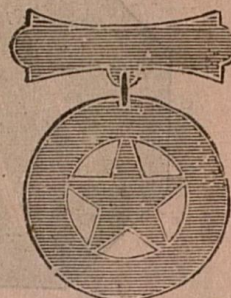
No. 41, \$1.50.



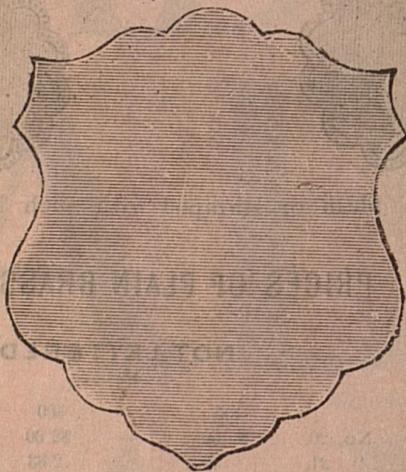
No. 21, 80c.



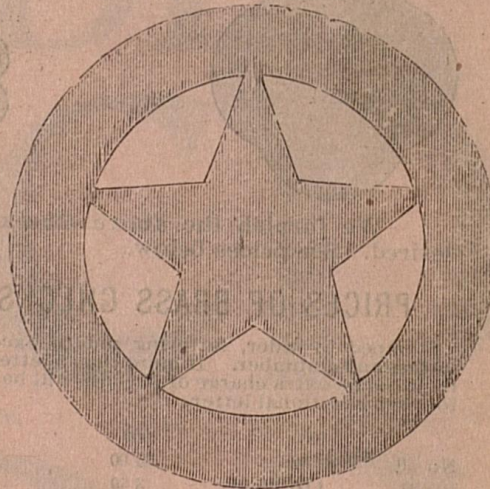
No. 50, 90c.



No. 43, \$1.00.

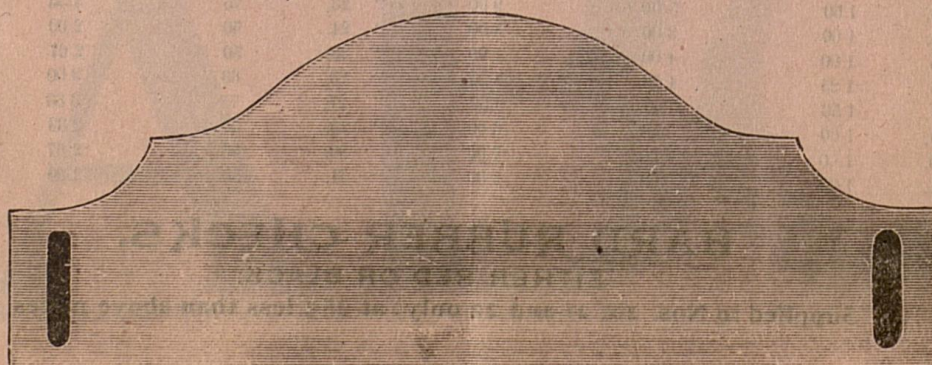


No. 85, \$1.25.



No. 14, 75c.

For Porters, Draymen, &c.



OTHER STYLES FURNISHED TO ORDER.

FRAME PRICE LIST.

We have aimed not only to get the best quality of frames for the money, but to select styles that would be in keeping with and especially adapted to show fine life size Crayon Portraits to advantage.

We have confined this list to a limited number of styles, in any of which we are entirely satisfied to have the sample portrait exhibited.

Select your frame by its number. A discount of 6 per cent. when cash accompanies order.

When goods are sent C. O. D. you have the privilege of examining them, and you do not have to pay one cent unless they are perfectly satisfactory.

These frames are all 20x24 inches inside measurement.

- No. 54 Five inches wide, receding frame, outside of two inches scroll design, combination bronze and gilt, 1 inch raised gilt centre, 1 inch red silk plush and 1 inch fancy gilt lining, price.....\$ 8.50
- No. 210 Five and one-half inches wide, receding frame, outside two and one-half inches ornamental copper bronze, extra high stem of gilt with 1 inch red silk plush and 1 inch fancy gilt lining, price 10.50
- No. 195 Six inches wide, receding frame, outside of two inches highly ornamented gilt, two inch heavy rustic top of gilt, with 1 inch of plush and 1 inch of ornamental gilt lining, price..... 11.75
- No. 302 Genuine gold burnished frame, hand carved, 6 inches wide, with heavy ornaments and corner pieces. This is a very fine frame, and is both rich and massive looking, price..... 16.00

We use French glass only for our portraits.

Respectfully,

EASTLAKE PORTRAIT CO.

EASTLAKE PORTRAIT CO.
243 STATE ST.,
CHICAGO, ILLINOIS.

DEAR SIR:

If you will send a photograph of yourself, or any member of your family, we will make you a full life-size crayon portrait FREE OF CHARGE. The only consideration imposed on you will be that you exhibit it to your friends as a sample of our work and thereby assist us in securing some orders, also that you promise to get it framed in a suitable frame for a fine portrait so that the work will show to advantage; for of course you would not allow a portrait to stand around unframed and get ruined.

We trust you will agree with us that this is an excellent way of placing a specimen of our work in your vicinity. We guarantee the safe return of photograph, so have no fear of losing it. This will be a sample portrait worth \$35.00 and as fine as can be made.

Hoping you will favor us and use your influence in furthering our interests, we remain

Respectfully yours,

EASTLAKE PORTRAIT CO.

State College of
Kentucky

THE PARSONAGE,
UPPER INDIANA CHURCH,
VINCENNESS, IND.

President's room

~~James R. Patterson~~

Levin & Co. Ky ———
THICKNESS NO 21.

188

Crane's Pure Linen Antique Bond Paper,

Prices per ream of 480 double sheets, or 960 half sheets,

Commercial Note \$2.70.

Packet \$4.00.

This sample is Commercial at \$2.70 per ream.

Envelopes to match, Size 5, \$4.80 per 1,000. Size 6, for Packet \$5.40.

Thickness No. 16 is a little thinner than this.

Commercial Note \$2.40. Packet \$3.40. Envelopes to match \$4. per 1 000.

C. B. MERWIN. 218 FULTON ST., N. Y.

One Ream mounted

Printed in blue ink in corner.

10

THEY KEEP.

UNCHANGED BY CLIMATE OR BY TIME!

The HARDEN "STAR" HAND GRENADE FIRE EXTINGUISHER

Resists the fell destroyer of all other Fire Appliances and stands

Alone and Supreme the Irresistible Conqueror of Fire!

A FEW THINGS WE KNOW.

We know that glass is not affected by moisture or dryness, nor by heat or cold.

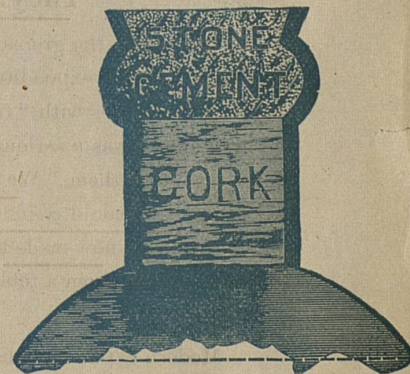
We know that the acids, alkalies, and salts which enter into the composition of all fire extinguishing compounds will keep in glass if securely sealed.

We know that glass will not rust, will not corrode, and will perfectly and forever resist the action of these chemicals, and furthermore, we know that metal will not. Is it reasonable to suppose that tin, iron or copper can withstand these chemicals for a series of years? It is madness to claim it, and monumental credulity to believe it.

Why Not Affected by Age.



The HARDEN "STAR" GRENADE is sealed by our patent process as shown by the annexed right hand cut. The corks are cut "across the grain," so that the pores do not run up and down through the cork in the usual way, but cross wise. The corks are boiled for several hours in a preparation that closes the pores and preserves the cork. The most important feature is in filling the neck of the bottle above the cork with a fine plastic cement that hardens to stone and seals forever the contents beyond the possibility of evaporation.



HERE IS PROOF OF WHAT WE SAY.

We quote from the report of the U. S. Navy Experimental Board under date of May 21, 1884. "They are securely sealed, and there is no doubt the mixture within them will retain its efficiency undiminished during an indefinite period."

WILLIAMS & SCHUMACHER, Planing Mills, 100 West Chicago Avenue, Chicago, put out a big fire with them and saved their mill; they had had the grenades two years.

The great tobacco house of LIGGITT & MYERS, of St. Louis, had a similar experience with grenades a year old.

44-M-64

FROM ONE OF THE LEADING AND BEST KNOWN MERCHANTS OF CHICAGO.

OFFICE S. D. KIMBARK, NAILS, STEEL, IRON, ETC., MICHIGAN AVE. AND LAKE ST., CHICAGO, Dec. 31, 1885.
H. H. Gross, General Manager Harden Hand Grenade Co.—DEAR SIR: Having been told that your Grenades became worthless from loss of gas after standing a few months, I determined to test those bought of you over two years ago. I selected for the trial those which had stood during these two years with the cork up. The trial was made on an intensely hot fire of burning pine, the blaze of which was fanned by a lively breeze, and reached a considerable height. Two of the grenades were dashed into it, and the fire was out in an instant, demonstrating to my satisfaction that your grenade is not only a powerful extinguisher, but that age does not affect it.

Truly yours,

S. D. KIMBARK.

MR. BRIGGS, of BRIGGS & HALL, Oshkosh, Wis., a year after buying grenades of us had a large stove upset, spilling live coals all over the floor. His boy, a lad of 13, put the fire out with two grenades and saved his home.

E. K. FASSETT, 270 and 272 Wabash Avenue, Chicago, had an oil stove explode in his kitchen; his daughter, aged 15, extinguished the fire with two grenades that were two years old.

DEAN, GODFREY & Co., importers of plate glass, paints, oils, etc., Detroit, Mich., used grenades on a big fire and extinguished it after trying water and failing. Grenades used were 20 months old.

There are scores of other instances like the above that we have not room to mention. As evidence of our sincerity in asserting positively and emphatically that they will absolutely keep good until used, we here agree to buy back, at twice the price paid for them, any grenades that have lost their strength in any degree since we adopted this plan of sealing.

They Cannot be Frozen---They have Stood 43° Below Zero.

During the severe winter just passed (1884-5) we subjected our grenades to the extremes of cold; 30 degrees below zero did not affect them in the least. Hundreds of them were scattered through elevators, warehouses and docks, wholly unprotected from the weather, and not one froze.

ABSOLUTE PROOF.

U. S. Indian Agency, PINE RIDGE, DAK., March 9, 1885.

HARDEN HAND GRENADE Co.—Gentlemen: Permit me to congratulate you on the non-freezing qualities of your grenades. A quantity of them purchased last summer remained stored during the past winter without injury, in an ordinary board warehouse without a fire in the building, and an outside temperature of 43 degrees below zero. I have only had one opportunity to use them so far, and that was on a burning hay stack, and they proved invaluable. The hay did not reignite where the liquid contents spread over the fire.

Yours truly,

V. T. MCGILLYCUDDY, U. S. Indian Agt.

They are Easily Broken---Any One Can Use Them.

To perfect the grenade and bring it to the present high standard of excellence required nearly two years of hard work, and the expenditure of tens of thousands of dollars. Among the mistakes made at the outset was in charging the bottles with "free gas," so they were under pressure like a soda pop bottle. This caused many bottles to burst, and it was a serious objection. To overcome this we made the bottles stronger; then we found it was difficult to break them. We finally discovered a new combination of chemicals far more effective as an extinguisher, and one that we could confine without pressure; we were thus enabled to reduce the strength of the glass fully 50 per cent. As now made the grenades are just strong enough to stand transportation, yet fragile enough to be broken by falling from a table to the floor.

IN CONCLUSION.

Modern experience shows that the most effective way to fight fire in its incipency is with chemicals. It also shows that a large percentage of disastrous fires might be extinguished in their early stages if the parties discovering them could have for instant application some simple and powerful extinguisher.

Any property that is worth insuring is worth protecting from fire; and we verily believe that we offer to the public in our grenade the best, simplest, and most powerful protection ever produced, and at a price that you can afford to pay. It is said, "A stitch in time saves nine;" now we can say, speaking from the record, that "A grenade in time has saved property 900 times" within the last two years. You can afford to have them, and cannot afford to be without them.

NONE GENUINE EXCEPT IN BLUE BOTTLE WITH STAR.

MANUFACTURED ONLY BY

THE HARDEN HAND GRENADE FIRE EXTINGUISHER CO.

Main Office and Factory, 51 and 53 Dearborn St., CHICAGO.

R. P. PATTISON, President.

H. H. GROSS, General Manager.

C. H. ALLEN, Secretary.

Pay no money to Agents. We recognize no verbal agreements.

No.

188

The Harden Hand Grenade Fire Extinguisher Co.,

51 and 53 Dearborn St., CHICAGO, ILL.

Please ship according to terms and address as below:

1 Gross of Harden Hand Grenades (Gerts)
20% off
and Wire holder for same free of charge

Price
each.

Price
per doz.

AMOUNT.

15-

Terms

Draft

MARK AND SHIP ORDER:

Signed

Name

Town

State

Via

Salesman

Lexington

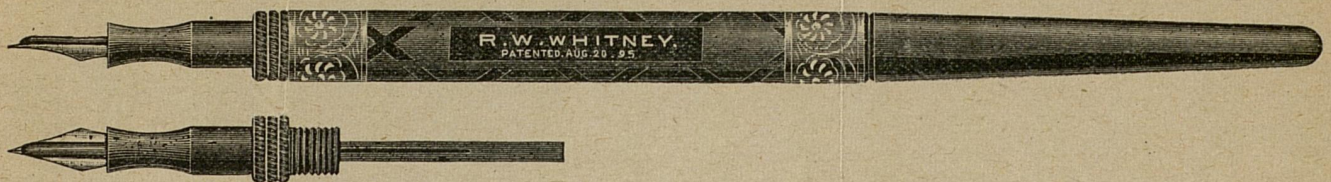
Kentucky

J R Price

\$1.50.

FOUNTAIN PENS.

\$1.50.



BEFORE buying, examine the "WHITNEY," the peer of all Fountain Pens; of high grade but low price.

Believing that the public desire, and will appreciate a good fountain pen after the many failures put upon the market, I have, after several years experimenting, solved the pen problem, and am able to say if, after a week's trial, you are not satisfied that there is no better pen made at any price your money will be refunded.

It will never drop ink and is always ready to write; 14K. gold pens with hard rubber holders having screw joints are used.

Fancy holders with gold pen, \$1.50. Extra size, ~~\$1.75~~ *\$2.00*
Gold mounted " " " 2.50. " " 2.75.

The following references are a guarantee of good faith on my part,

REFERENCES:

HON. R. E. MCKISSON, Mayor.
W. B. NEFF, Judge Common Pleas.
J. G. POMERENE, Stenographer,
G. G. SOWDEN, Attorney-at-Law.
W. W. DONALLY, Patent Expert.

GEN. M. D. LEGGETT, Ex-Com. of Patents.
PROF. ALFRED DAY, Prin. Cleveland Bus. College.
M. J. CATON, Prest. Caton's Bus. College Co.,
Cleveland, Buffalo and Detroit.
HENRY L. DAVIES, Adjuster Cleveland Electric Co.

AGENTS WANTED. MAIL ORDERS SOLICITED.

ALL KINDS REPAIRED.

R. W. WHITNEY, Manufacturer, 236 Superior St., Cleveland, O.

FIRE PROOF OIL

IS BETTER THAN

COAL OIL.

Burns beautifully in any kind of a Lamp.

C. B. Merwin,
Manufacturing Stationer and Printer,
218 FULTON STREET, NEW YORK.

Dear Sir :

I would respectfully call your attention to the fact that I am still furnishing Colleges and Seminaries with first class Stationery at remarkably low prices.

The prices as printed on the samples are very reasonable, but when you deduct 20 or 30 per cent. discount from these figures you will find it brings them much below wholesale prices.

I think you will find it greatly to your advantage and a saving of money to send for the large set of samples and make up a trial order.

Goods guaranteed as represented or the money refunded.

The following discounts will be made on orders of \$5.00 and over.

Orders of \$5.00 and over	10 per cent. discount.
Orders of 15.00 and over	15 per cent. discount.
Orders of 25.00 and over	20 per cent. discount.
Orders of 35.00 and over	25 per cent. discount.
Orders of 50.00 and over	30 per cent. discount.

A large set of Samples consisting of over 50 different varieties of Paper and Envelopes, will be sent on receipt of the postage : six cents.

For references to Colleges and Seminaries in different parts of the United States for which large orders have been filled, see other side.

Yours respectfully,

C. B. MERWIN, 218 FULTON ST. NEW YORK.

47-M-64

FOLLOWING ARE A FEW COLLEGES, SEMINARIES, ETC,
FOR WHICH I HAVE RECENTLY FILLED ORDERS.

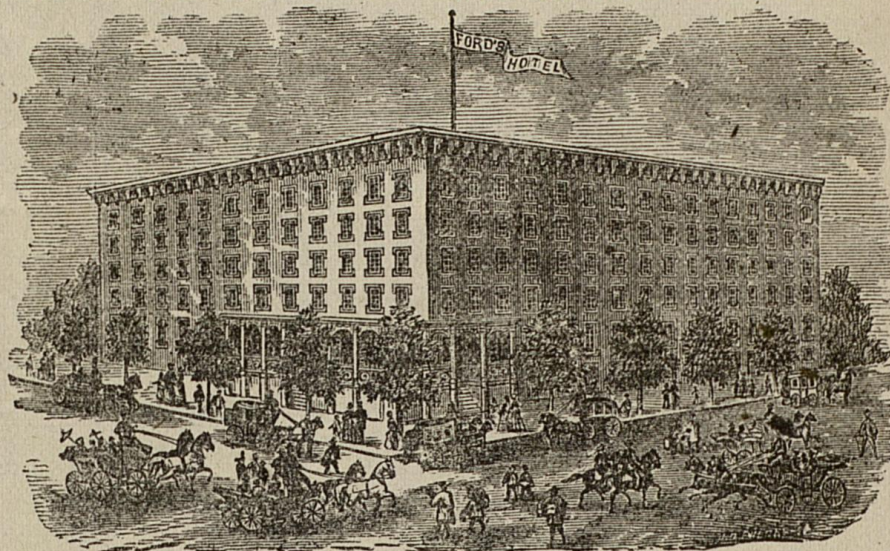
Pennsylvania State College, State College, Pa.
The Methodist College, Gainesville, Ga.
Waynesburgh College, Waynesburgh, Pa.
Martha Washington College, Abingdon, Va.
South Kentucky College, Hopkinsville, Ky.
De Veaux College, Suspension Bridge, N. Y.
Harrison Female College, Cynthiana, Ky.
Emory & Henry College, Emory, Va.
Georgetown College, Georgetown, Ky.
Westminster College, New Wilmington, Pa.
Ogden College, Bowling Green, Ky.
Muhlenberg College, Allentown, Pa.
Rockland College, Nyack, N. Y.
Amherst College, Amherst, Mass.
Brook'le Acad'y, Brookville, Md.
Martin College, Pulaski, Tenn.
Bowling Green Female College, Bowling Green, Ky.
Stuart's Female College, Shelbyville, Ky.
University of Wisconsin, Madison, Wis.
St. Lawrence University, Canton, N. Y.
Tougaloo University, Tougaloo, Miss.
Central University, Richmond, Ky.
Young Ladies Seminary, Lawrenceville, N. J.
Young Ladies Seminary, Steubenville, O.
Lake Erie Seminary, Painesville, O.
The Central Theological Sem. N. Y. City.
Theological Sem. New Brunswick, N. J.
Theological Sem. Rochester, N. Y.
Cozenovia Sem. Cozenovia, N. Y.
Theological Sem. Princeton, N. J.
Gre'ch Academy, Greenwich, Ct.
Cottage Sem. Pottstown, Pa.
Mystic Valley Institute, Mystic Bridge, Ct.
Huntington Mills Normal School, Huntington Mills, Pa.
Episcopal High School of Va., Alexandria, Va.
Mt. Pleasant Military Academy, Sing Sing, N. Y.
Theological Institute of Ct., Hartford, Ct.
State Normal School, Bloomsburg, Pa.
Buffalo Female Academy, Buffalo, N. Y.
Germantown Academy, Germantown, Pa.
York Collegiate Institute, York, Pa.
Jordan Academy, Jordan, N. Y.
Eclectic Institute, Jersey Shore, Pa.
Gannett Institute, Boston, Mass.
Collegiate Institute, Salem, N. J.
Preparatory School, Olivet, Mich.
Purdue Univ., La Fayette, Ind.
Morgan School, Clinton, Ct.

FORD'S HOTEL,

RICHMOND, VA.

ELECTRIC BELLS.

ACCOMMODATES 400



**Rates Greatly Reduced Again
TO SUIT THE TIMES.**

BOARD \$2.50 and 3.00 PER DAY.

THIS SPLENDID NEW HOTEL is situated in the heart of the city and adjoining the beautiful CAPITOL PARK, with its Statuary, Monuments, Fountains, Groves and Flower-beds; is newly and elegantly furnished throughout. It is convenient to all the Depots and Fine Coaches run to and from all the Stations and Steamboat Landings.

SPECIAL SUITS of ROOMS will always be kept in readiness for Wedding and other large travelling Parties.

NOTICE.—The delightful climate of Richmond is unsurpassed, thereby claiming the attention of Tourists and Invalids.

THE TOURIST'S HOME.

PLACES OF HISTORIC INTEREST IN AND AROUND RICHMOND.

The Capitol,
Governor's Mansion,
Henry Clay Monument,
Stonewall Jackson Monum't,
Washington Monument,
State Library,
The original Statue of Washington
by Houdon,
Bust of Lafayette, by Houdon,
Bird's Eye View of City from Dome,
Oakwood Cemetery,
National Cemetery,
Gamble's Hill and View,
Tredegar Iron Works,
Belle Island,
State Prison,
New Reservoir,
Monroe Park,

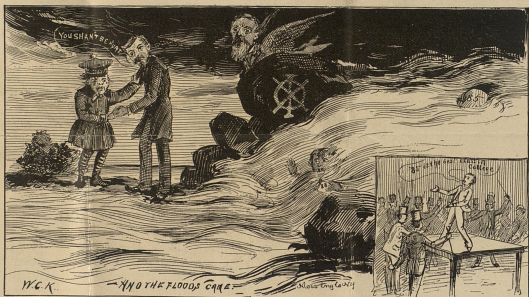
Capitol
Square.
Capitol
Building.

City Water Works,
General Lee's Residence,
Monumental Church,
St. John's Church,
Libby Prison,
Jeff Davis Mansion,
Old Stone House, Washington's
Head-quarters,
Flouring Mills,
Tobacco Factories,
Battle-fields around city,
New African Church,
Powhatan, place of rescue, by Pocohantas, of Capt. John Smith,
Tomb of Ex-President Monroe,
Grave of Ex-President Tyler,
Soldier's Monum't to Confederates,
Grave of Gen. A. P. Hill.

Hollywood Cemetery.

A. J. FORD, Jr., Manager.

47-M-67



Monograms, Devices, etc., for Printing purposes made to order. We cannot undertake to prepare sketches for examination without a deposit in advance to cover their cost, or a satisfactory assurance that the engravings will be completed by us, after our sketches have been made satisfactory.

We also make a specialty of Landscape, Building and Portrait Engraving. College faculties will find it to their interest, to send to us for estimates. Twenty-four page circular sent on receipt of green stamp.



Before estimating upon expense of sketches and engravings, it is necessary to furnish full particulars as to size of the engravings, the uses to which they will be put, and the quality of work desired. We do not deal plate printing.

MOSS ENGRAVING COMPANY.

Please hand this to the Managing Editor of the Illustrated College Annual.



TO OUR COLLEGE FRIENDS

We take pleasure in calling your attention to the enclosed illustrations, showing the adaptability of our process to the manufacture of cuts such as are commonly used in college annuals and illustrated college papers.

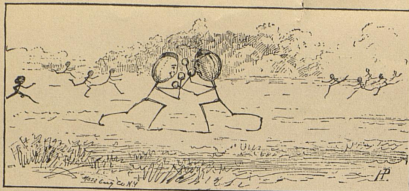
Our cuts can be used upon any printing press and in connection with type matter, are easily printed, requiring no special treatment on the press other than is given to good wood cuts, and are cheaper and more artistic than cuts produced by any other method.

A few hints as to the copy to be sent us may not be amiss. We prefer, in all cases, that pen and ink drawings or pencil sketches be furnished, that our artists and engravers may catch the proper spirit of the designs; but where it is not possible to have these made, a written description of the ideas will answer our purpose, our artists being fully competent to work up designs of this nature.

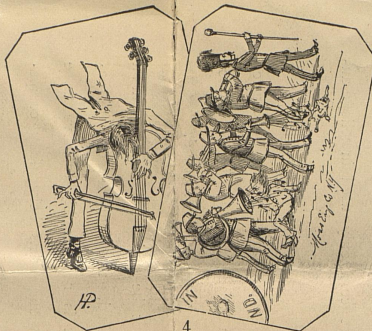
To those who prepare pen and ink drawings for direct reproduction in *fac simile*, we would suggest the necessity of observing the following hints: Use smooth, white Bristol Board or any similar paper having a sized surface. Use only jet black ink. Do not make drawings in reverse.

Series of drawings should be made to one scale, and for this class of work, one-half larger than the proposed engraving. The spacing of the lines should be sufficiently open to admit of the reduction, without closing up.

On another page will be found a list of the paper, pens and ink best adapted to pen and ink drawings.



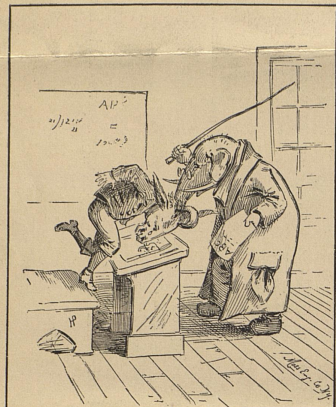
8



4



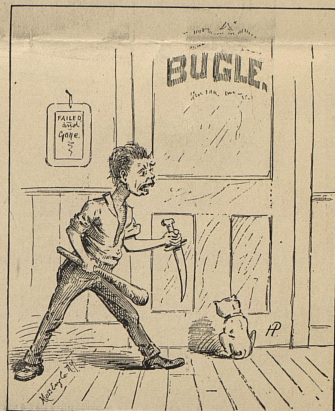
9



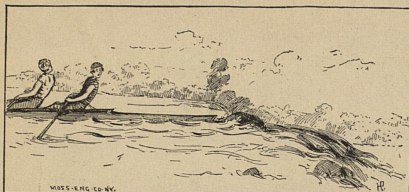
5



7



6



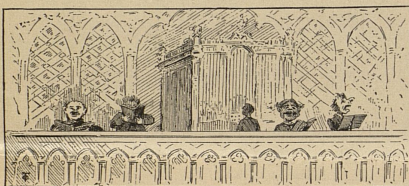
10



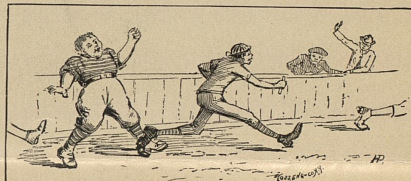
14



12



11



13



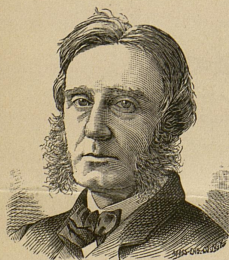
92



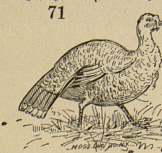
16



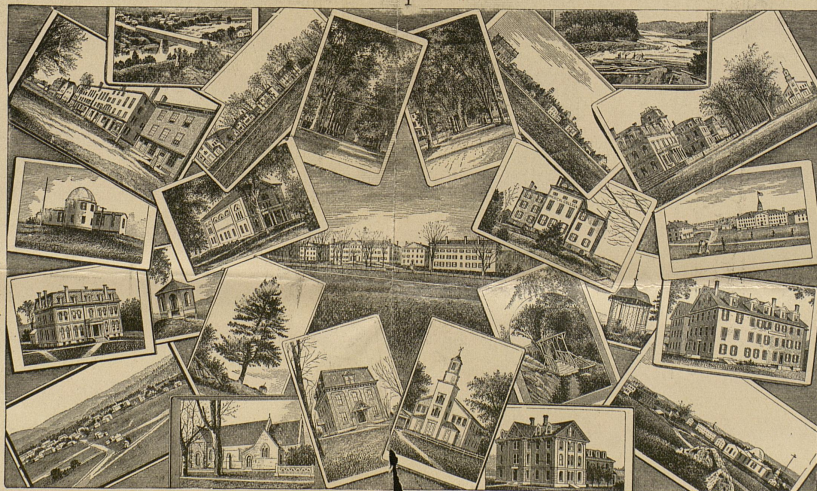
1



71



17



18



43

Figs. 1, 2, 3, represent full page cuts, octavo size.

Figs. 4, 5, 6, 7, represent half page cuts, octavo size.

Figs. 8, 9, 10, 11, 12, 13, represent quarter page cuts, octavo size.

Figs. 16, 17, represent small vignettes.

In writing for estimates please state the number of each of the above sizes to be ordered, and also what kind of copy will be sent us.

TERMS—Deposit of One-Half with the order, balance C. O. D., or satisfactory references as to responsibility from the college faculty.

Moss' Drawing Ink, per roll, \$.50

Flake White, per cake,35

Gillott's 290 Pens, per doz., . .60

" 170 " " " . .18

Fine Bristol Board, " 11x14, .60

Saxe Board, per doz. 8 1/2 x 11 1/2, 1.50

Rub the ink in a few drops of water until it is jet black. Prepare only when it is wanted for use. Those ordering should remit in advance.

COLLEGE BUILDINGS AND PORTRAITS, OF EVERY SIZE AND STYLE; SEND PHOTOGRAPHS FOR ESTIMATE.

47-M-64

2404

Becker's Balances are so well-known (having been used in the principal Colleges and Assay Offices for twenty years) that you don't ask, "are they accurate?" All you want to know is the price, and how soon you can get them.

We have in stock ready to ship Assay Balance No. 3.
Analytical Balances Nos. 17, 18^a, 20, 82 and 83.

Students' Balances Nos. 27, 35, 69, 74, 75, 77, 79, and
sets of nearly all the weights from Nos. 2 to 40.

To sell these quickly we have made special prices 20
per cent. below the regular catalogue.

A list of these Balances has been previously sent you,

if you wish another we will forward it.

We also have a Catalogue of Microscopes, Telescopes,
Barometers, Thermometers and Photographic Apparatus,
which we will send on request.

JOHN WANAMAKER,
Philadelphia.

47-M-64

TO THE SUPERINTENDENTS

—OF—

PARKS, PUBLIC GROUNDS AND CEMETERIES,

—TO—

Nurserymen, Florists, Gardeners and Amateurs,

ARE OFFERED OUR

NEW IMPROVED METALLIC LABELS.

—♦—

INVENTED, MANUFACTURED, AND FOR SALE

—BY—

GEO. FRAUENBERGER AND W. C. BARRY,

ROCHESTER, N. Y.

NEW IMPROVED METALLIC LABELS

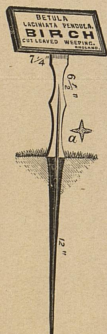
INDESTRUCTIBLE AND IMPERISHABLE.

— FOR —

Trees, Shrubs and Plants in Parks,

PUBLIC AND PRIVATE GROUNDS, NURSERIES,

AND GARDENS.



The introduction of these New Labels is designed to supply a long felt want in every branch of Horticulture, Arboriculture and Floriculture.

They are neatly made, sufficiently long so as not to be moved by frost. On the face of each label is painted in distinct type, and secure, against the action of the weather, the name, both Botanical and English, with native country of the tree, shrub or plant.

The durability and neatness of these labels, as well as the low rates at which they are offered, we trust will be sufficient inducement to encourage their use in Parks, Gardens and Nurseries.

Specimen Trees and Collections correctly labelled in this manner will be appreciated and rendered interesting and instructive



For price, etc., stating number wanted,

ADDRESS,

FRAUENBERGER & BARRY,

ROCHESTER, N. Y.

47-M-64

THE ESTERBROOK STEEL PEN COMPANY.

The attention of Superintendents, Principals and Teachers is respectfully invited to the unsurpassed excellence of the Esterbrook Pens, and the specially low rates at which they are furnished.

On these grounds the co-operation of School Officers is solicited in introducing American made Pens in the schools under their control.

All our leading styles can be procured from the local dealers generally; but, should any difficulty be experienced in obtaining them, an order direct enclosing the price will receive prompt attention.

Correspondents desiring further information regarding our other styles of pens are referred to our Descriptive Catalogue, containing cuts and descriptions of seventy selected numbers, which will be mailed on application.

THE FALCON PEN.



No. 048.

26 JOHN STREET, NEW YORK. WORKS, CAMDEN, N. J.

THE ESTERBROOK STEEL PEN COMPANY.

ESTABLISHED 1860.

PRICE LIST

OF THE

LEADING SCHOOL PENS

MANUFACTURED BY

THE ESTERBROOK STEEL PEN CO.

WORKS, CAMDEN, N. J.

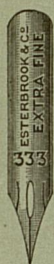
WAREHOUSE,

26 JOHN STREET,

NEW YORK.

26 JOHN STREET, NEW YORK. WORKS, CAMDEN, N. J.

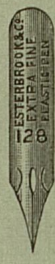
PRICE LIST.



333.



444.



128.



182.



105.



A1.

Cents.

No. 048, Falcon,	-	-	Per Gro.	60
" 333, Extra fine,	-	-	"	65
" 444, School,	-	-	"	50
" 128, Extra fine Elastic,	-	-	"	65
" 182, Ladies' Falcon,	-	-	"	55
" 105, College,	-	-	"	55
" A1, Professional	-	-	"	75

NOTICE.

On the preceding page will be found cuts and wholesale prices of some of our leading School Pens, which have been selected from an extensive assortment as being the most popular for School purposes.

Of these, the Nos. 128 and A1 are the most elastic and are largely used by professional penmen and for ornamental work. The No. 333 is the finest pointed that we make, and is the most popular of our School series. The Nos. 048, 444, 182 and 105 are of medium fineness, and are well suited to the general requirements of Schools. They are all made of the finest

SPECIAL DISCOUNTS
TO
SCHOOLS AND TEACHERS

From Prices given hereon

On 10 to 25 Gross	-	15 per cent.
On 25 to 100 Gross	-	20 per cent.
On 100 gross and upward	-	25 per cent.

NOTICE.

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Our pens have been adopted extensively in the Public Schools throughout the country, and are largely used in private Institutions and Commercial Colleges.

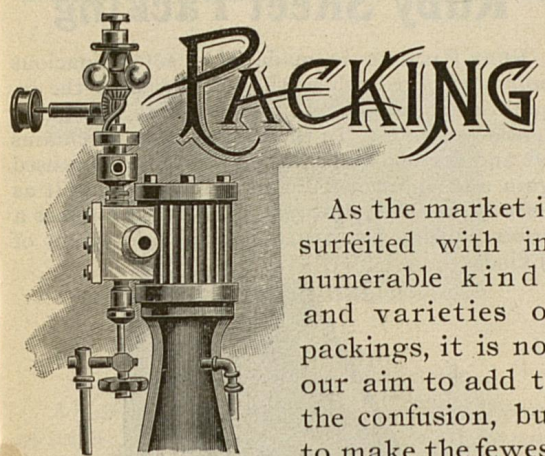
ENGINEERS CATALOGUE

NEW YORK
BELTING

A decorative diamond-shaped label with a double border. The text inside the diamond is arranged in four lines: "NYBELTING & PACKING CO. LTD." at the top, "THIS LABEL IS A GUARANTEE OF" on the second line, "QUALITY AND DURABILITY" on the third line, and "1846 PARK NEW YORK." at the bottom.

AND
PACKING CO.
LIMITED

25 PARK PLACE
NEW YORK



As the market is surfeited with innumerable kinds and varieties of packings, it is not our aim to add to the confusion, but to make the fewest number necessary to meet fully and adequately all modern conditions of service.

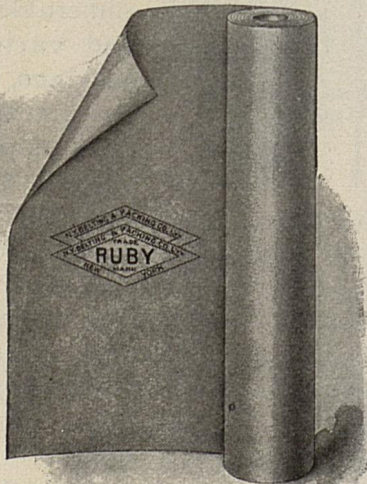
Rubber, being an elastic material, not readily affected by heat, cold or moisture, meets the various conditions requisite in packing, and has always formed a component part of successful steam and water packings.

Packings herein described have been the subject of careful study, and are the result of practical knowledge of service requirements. Each is treated under its own head, and is recommended as best for the special service indicated.

New York Belting and Packing Company
LIMITED

Ruby Sheet Packing

RUBY PACKING is made of a soft, tenacious compound of red rubber that conforms to the inequalities of flanges, and will not blow out under highest pressures. In the hottest joint it remains soft and flexible, and can be removed and reused again and again in the same joint, packing it as perfectly as when first inserted. It also makes a perfect packing for hydraulic and cold joints of all kinds.



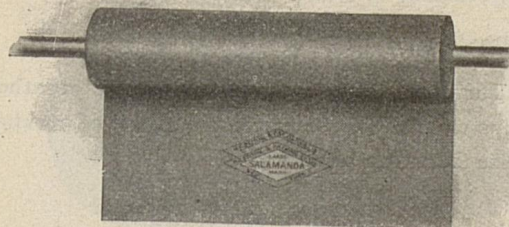
The action of steam, oils, alkalies, ammonia, etc., is resisted better by Ruby than by any other known rubber compound.

The application of plumbago or chalk to the face of the packing before use prevents adhesion to flanges, and makes it easier to break joints after use.

Carried in stock in thicknesses from $\frac{1}{32}$ inch to $\frac{1}{4}$ inch and 36 inches wide.

New York Belting and Packing Company
LIMITED

Salamanda Sheet Packing



A high-grade, self-vulcanizing packing. Because of its semi-cured condition, it readily conforms to rough surfaces, and when subjected to heat hardens, making a secure, permanently packed joint. It can be used between unfinished cast-iron flanges, saving the cost of turning and planing.

Carried in stock, plain, in thicknesses from $\frac{1}{32}$ inch upward, 36 inches wide; wire insertion made to order.

Price, per lb., 65 cents.

Directions for Use

Screw tight when cold. Should joint leak when steam is turned on, screw up just enough to stop the leak. Cutting holes one-half diameter of bolts secures a tight fit and preserves both bolts and flanges from oxidation. In order to break joints, apply chalk on one side before use; paper answers the same purpose.

New York Belting and Packing Company
LIMITED

Cloth Insertion Sheet Packing

For steam, hot or cold water and weather strips we make three superior qualities of packing in the following brands:

Double Diamond

Carbon

Spider

in thicknesses from $\frac{1}{32}$ to $\frac{1}{4}$ in. and 36 in. wide.
One ply of duck to each $\frac{1}{16}$ inch in thickness.

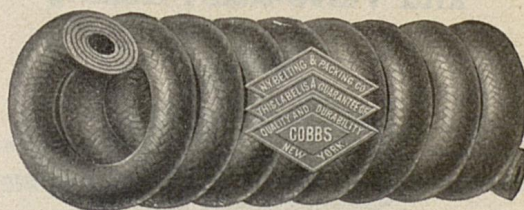
Wire Insertion Sheet Packing

Chiefly used in joints where C. I. packing would be quickly burned out by heat or blown out by excessive pressures.

4

New York Belting and Packing Company
LIMITED

COBBS High Pressure Spiral Piston and Valve Rod Packing



Cobbs Piston and Valve Rod Packing is the outcome of years of experiments by its inventor, Mr. J. H. Cobb, who has been associated with the New York Belting & Packing Co., Ltd., for the past twenty-four years. Cobbs packing is especially adapted to withstand heat and highest pressure. The rubber core of the packing is oil and heat-proof, acting as a spring or cushion in holding the packing up to the rod. The outer covering is made of a material that is not affected by heat; the lubricants employed are the result of much scientific research and are absolutely free from grit or acids.

We guarantee Cobbs packing will pack any rod perfectly tight, as it will not get hard under any degree of heat.

This packing can be ordered in long, straight lengths if desired, either round or square. We recommend the Round Spiral as the most convenient and desirable, owing to its construction.

Registered, patented and manufactured solely by the New York Belting & Packing Co., Ltd., New York.

Price, per lb., \$1.00

Directions for Use

When first put in, screw glands up with wrench to shape packing, take two or three turns, release glands, then screw them up with thumb and forefinger only, until packing is fully expanded.

CAUTION.—See that the packing and box have this label on them.

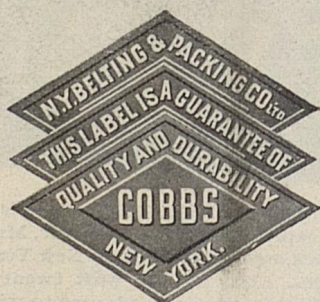
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New York Belting and Packing Company

COBBS

High Pressure Spiral Piston
and Valve Rod Packing

WILL HOLD
HIGHEST
PRESSURE



READ THE
DIRECTIONS
ETC.

CAUTION—See that the packing and box have this label on them.

Put up in paper boxes in the following lengths and weights.

Diam. Inches	Contents Feet	Weight Pounds	Diam. Inches	Contents Feet	Weight Pounds
$\frac{1}{8}$	120	$1\frac{1}{4}$	$1\frac{5}{16}$	12	$4\frac{1}{2}$
$\frac{3}{16}$	108	$1\frac{1}{2}$	1	12	5
$\frac{1}{4}$	96	$3\frac{1}{2}$	$1\frac{1}{16}$	12	$5\frac{1}{2}$
$\frac{5}{16}$	72	$3\frac{1}{2}$	$1\frac{1}{8}$	12	$5\frac{3}{4}$
$\frac{3}{8}$	54	3	$1\frac{3}{16}$	12	$6\frac{1}{4}$
$\frac{7}{16}$	54	4	$1\frac{1}{4}$	12	$7\frac{1}{2}$
$\frac{1}{2}$	36	$3\frac{3}{4}$	$1\frac{5}{16}$	12	$8\frac{1}{2}$
$\frac{9}{16}$	36	$4\frac{1}{2}$	$1\frac{3}{8}$	12	9
$\frac{5}{8}$	36	7	$1\frac{7}{16}$	12	$9\frac{3}{4}$
$1\frac{1}{16}$	18	4	$1\frac{1}{2}$	12	11
$\frac{3}{4}$	18	$4\frac{1}{4}$	$1\frac{5}{8}$	12	$13\frac{1}{2}$
$1\frac{3}{16}$	12	$3\frac{1}{2}$	$1\frac{3}{4}$	12	$15\frac{1}{2}$
$\frac{7}{8}$	12	4	2	12	$18\frac{1}{2}$

New York Belting and Packing Company

Testimonial

HOBOKEN, N. J., Feb. 2nd, 1903.

MR. J. H. COBB, Ass't Gen'l Mgr.

New York Belting and Packing Co., Ltd.,
New York.

DEAR SIR—I am an engineer with eighteen years' experience and have used all kinds of packing, but have never found anything that can compare with "Cobbs" packing. I have charge of a first-class plant of 800 horse power and was always troubled with piston packing until I tried yours and found it first-class.

The piston was packed a year ago, and is as good as ever, and from appearance of same after my examining it quite often, the packing will last another year.

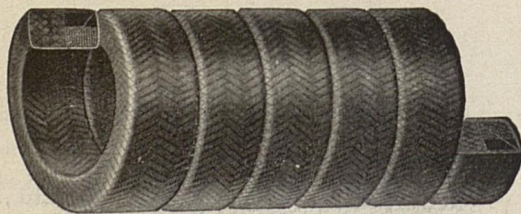
Yours respectfully,

(Signed) JAMES COGAN.

New York Belting and Packing Company

LIMITED

MAGIC RUBBER Cushion Diagonal Expansion Spiraled Packing



The "MAGIC" Patented Packing is not the work of the "Master of the Black Art," but the result of the efforts of a practical engineer, who has applied correct mechanical principles, in combination with the proper material, and, magician like, has apparently produced the supernatural, viz., a "MAGIC" packing, because it is the best yet combined for steam, boiling water and ammonia.

Put up in boxes in 12½ foot lengths in spiral form.

Price, per lb., \$1.00

Read what Superintendent Snow has to say:

THOS. POTTER SONS & CO., INC.
MANUFACTURERS OIL CLOTH AND LINOLEUM
PHILADELPHIA AND NEW YORK

PHILADELPHIA, Jan. 19th, 1903.

DEAR SIR: We have been using your "MAGIC" Rubber Cushion Automatic Expansion Packing in our hot-water plunger pumps for about two years; pumping hot water under ninety pounds pressure from return steam coils, and we have found it superior to all other makes.

Yours very truly,

THOS. POTTER SONS & CO., INC.,
Per W. D. Snow, Supt.

New York Belting and Packing Company

LIMITED

"MAGIC" SPECIAL MATERIAL FOR HIGH TEMPERATURE



SPIRALED PACKING FOR HIGH PRESSURE STEAM ENGINES

125 lbs. to 250 lbs.

MAGIC High Pressure Packing

is constructed upon the same mechanical principle as our standard "MAGIC" packing, but is made from special selected material that peculiarly resists the injurious effects of extremely high temperature, and is especially adapted to high pressures for marine work, locomotives, very high steam on main piston rods and valve stems, stop valves and for general high speed requirements.

Apply the following directions which are sent with every box:

How to Cut Rings from the Spiral Coil

To cut rings from the "Magic" Spiral Form Packing, first obtain size of packing required, then adjust your calipers to the size of the stuffing box;

New York Belting and Packing Company

LIMITED

then place calipers over the spiral coil and coil packing to desired size. Owing to its peculiar construction the "MAGIC" packing will remain in the coil in the desired position to enable you to readily cut same. In cutting rings use a sharp knife or hack saw; also bevel the ends, to an angle of about 50 degrees. In sizes of $\frac{5}{8}$ inch and under, cut about $\frac{1}{8}$ inch scant of actual measurement; sizes of $\frac{3}{4}$ inch to 1 inch should be cut about $\frac{1}{4}$ inch scant; sizes over 1 inch about $\frac{1}{2}$ inch scant, as this allows for the natural expansion of the packing.

In cold weather this packing may be made more pliable and easier for cutting in rings by first warming it up.

How to Apply the "Magic" Packing to the Stuffing Box

After cutting the first ring, try it to see if it fits the box properly, as above described; then prepare a sufficient number of rings to fill the box, dipping each ring in good cylinder oil. Having the rings prepared, fill the box, one ring at a time; the flat or broad side should go next to the rod, putting the round or upper cushion in first, tapping each ring lightly and squarely into place with a packing stick, arranging the rings so that they will break joints on the side if the rod has an up and down or vertical motion, and on the top or bottom if the rod moves in a horizontal way. In placing the last ring in the box, see that the soft or upper cushion is reversed, so that the soft part will be next the gland.

New York Belting and Packing Company

LIMITED

How to Follow Up for Best Results

After having placed all the rings in the stuffing box, as above stated, set up the gland with a wrench to set the packing squarely until it is just snug, then back off and bring it up again until the gland nuts are just finger-tight. Start the engine or pump slowly, letting the packing warm up a little, letting out the gland gradually until the packing is fully expanded and the gland nuts are just finger-tight.

How to Make the "Magic" a Wear Resister

Now set up the packing with the fingers. If it leaks a little do not mind that, but give the packing an opportunity to expand. It is better to allow it to leak a little for a day or so than to have it set up too tightly and to squeeze out all the lubrication and gall or bruise the packing at the first few strokes of the piston. Run as loosely as possible and lubricate the packing by dropping some oil on the rods occasionally while the engine or pump is running. This will preserve the packing and will polish the rods, and is as necessary to lubricate as any other bearing on your machinery.

For Packing Water Ends of Cold Water Pumps

For packing stuffing box on water end of cold water pumps follow the same directions as for steam, ONLY DO NOT CUT the rings scant of actual measurement, but cut them long enough, so that the ends will just butt together, as in cold water the packing does not expand; but do not cut too

New York Belting and Packing Company

LIMITED

long so as to make the rings buckle, as that will prevent a tight joint.

Never fail to dip each ring in cylinder oil before placing in the box.

For Packing Stuffing Box of Brine Pumps

For packing stuffing boxes of brine pumps follow the same directions as for cold water pumps, only note that in cutting the rings be careful to have the exact size packing required, and not to cut the rings short of actual measurement. Cut the rings long enough, so that the ends will butt squarely together. For brine pumps it is better to have the rings a **LITTLE FULL** than scant of actual measurement.

Never fail to dip each ring in cylinder oil before placing in the box.

Price, per lb., \$2.00

Put up in spiral form in boxes.

Size, Inches	Length, Feet	Coils per Box
1/4	12 1/2	2
3/8	12 1/2	2
1/2	12 1/2	1
5/8	12 1/2	1
3/4	12 1/2	1
7/8	12 1/2	1
1	12 1/2	1
1 1/8	12 1/2	1
1 1/4	12 1/2	1

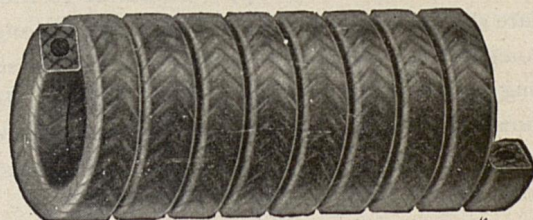
Made in all sizes from 1/4 inch to 3 inches, and any lengths desired.

New York Belting and Packing Company

LIMITED

"AMAZON"

Waterproof Hydraulic Packing



The "AMAZON" Waterproof Hydraulic Packing is one of our special packings, and is particularly adapted for cold water and high pressure.

It is composed of long line flax, and our special compound which holds the fibre intact and renders the "AMAZON" packing impenetrable and also self-lubricating and capable of resisting a pressure of 3,000 lbs. per square inch.

The rubber core gives it the elasticity required.

Its great durability makes it the economical packing to use.

It is especially designed to meet the requirements of water works, mills, railroads, elevators, etc.

Price, per lb., \$1.00

Put up spiral, in coils, or ring form
These directions sent with every box



New York Belting and Packing Company

LIMITED

For Applying and Using

Cut in lengths and apply broadside to rod. Care should be taken to have the lengths just long enough so the ends will butt together, but not so long as to crowd the rings from the rod. It should be of a size to go in easily, as the pressure from the gland will expand it toward the rod and box.

It is a good plan to dip each piece in cylinder oil before putting it in the box, unless the water handled by the pump need to be perfectly free from oil, in which case apply the rings without putting them in oil, and then drop a little on the rod to make them go easily. As soon as the pump is started oil should be dropped on the rod, and this should be done frequently during the time the pump is running, as the ingredients used in making these goods water proof require some oil to keep a smooth, greasy surface.

Run as loosely as possible and hold the water. Should there at any time be signs of a little coating on the rod, a few drops of oil will remove it quickly, some being caused by the neglect of supplying sufficient oil

We particularly urge you to keep it well lubricated, as you would any bearing on your engine.

New York Belting and Packing Company

LIMITED

Put up in boxes. Weights and lengths as follows:

Diameter Inches	Contents Feet	Weight Pounds
$\frac{1}{4}$	48	$2\frac{3}{4}$
$\frac{3}{8}$	48	$4\frac{1}{2}$
$\frac{1}{2}$	48	7
$\frac{5}{8}$	24	$5\frac{3}{4}$
$\frac{3}{4}$	24	$8\frac{3}{4}$
$\frac{7}{8}$	12	$5\frac{1}{2}$
1	12	$6\frac{3}{4}$
$1\frac{1}{8}$	24	$17\frac{1}{2}$
$1\frac{1}{4}$	24	$20\frac{3}{4}$
$1\frac{3}{8}$	24	$24\frac{3}{4}$
$1\frac{1}{2}$	24	$29\frac{1}{4}$
$1\frac{5}{8}$	24	$36\frac{1}{4}$
$1\frac{3}{4}$	24	$38\frac{1}{4}$
$1\frac{7}{8}$	24	$44\frac{1}{2}$
2	24	$49\frac{1}{2}$

Price, per lb., \$1.00

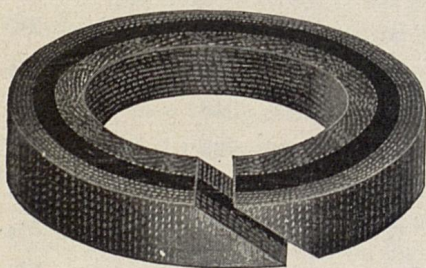
We make this packing both straight and in spiral form.

New York Belting and Packing Company

LIMITED

ELASTIC Expansion Ring Packing

WITH RUBBER CUSHION CORE



This packing is made in several hundred sizes and can be used in any size stuffing box.

Is made in rings an exact fit to rod and box.

In ordering give the exact depth of stuffing box and size of piston rod.

List of sizes we carry in stock will be found on opposite page.

Other sizes we can make and ship within three days of receipt of order.

Price, per lb., \$1.20

New York Belting and Packing Company

LIMITED

Elastic Expansion Ring Packing

These rings are made to order within three days. Sizes not given are charged for extra.

INCHES.	INCHES.	INCHES.
5/16 x 3/4 x 1/4	13/16 x 2 1/8 x 1/4	2 x 3 5/8 x 1/2
5/16 x 1 1/2 x 1/4	13/16 x 2 1/4 x 1/4	2 1/16 x 3 1/2 x 1/2
3/8 x 1 3/16 x 1/4	13/16 x 2 5/16 x 1/4	2 1/16 x 3 5/16 x 1/2
7/16 x 1 5/16 x 1/4	1 1/4 x 1 1/8 x 1/4	2 1/8 x 3 1/4 x 1/2
5/8 x 1 x 1/4	1 1/4 x 1 3/16 x 1/4	2 1/8 x 3 3/8 x 1/2
5/8 x 1 1/16 x 1/4	1 1/4 x 2 x 1/4	2 1/8 x 3 1/2 x 1/2
5/8 x 1 1/4 x 1/4	1 1/4 x 2 1/16 x 1/4	2 3/16 x 3 1/2 x 1/2
5/8 x 1 1/2 x 1/4	1 1/4 x 2 1/4 x 1/4	2 1/4 x 3 1/4 x 1/2
1/2 x 7/8 x 1/4	1 1/4 x 2 3/4 x 1/4	2 1/4 x 3 1/2 x 1/2
1/2 x 1 x 1/4	1 5/16 x 2 3/32 x 1/4	2 5/16 x 3 1/16 x 1/2
9/16 x 1 1/16 x 1/4	1 5/16 x 2 7/16 x 1/4	2 5/16 x 3 3/4 x 1/2
9/16 x 1 1/8 x 1/4	1 5/16 x 2 7/8 x 1/4	2 3/8 x 4 x 1/2
9/16 x 1 1/4 x 1/4	1 3/8 x 2 1/8 x 1/4	2 7/16 x 3 3/4 x 1/2
9/16 x 1 1/2 x 1/4	1 3/8 x 2 3/16 x 1/4	2 1/2 x 3 x 1/2
1 1/16 x 1 1/4 x 1/4	1 3/8 x 2 1/4 x 1/4	2 1/2 x 3 1/4 x 1/2
1 1/16 x 1 1/2 x 1/4	1 3/8 x 2 3/8 x 1/4	2 1/2 x 3 3/8 x 1/2
1 1/16 x 1 3/4 x 1/4	1 3/8 x 2 1/2 x 1/4	2 1/2 x 4 x 1/2
3/4 x 1 1/4 x 1/4	1 7/16 x 2 3/16 x 1/4	2 5/8 x 4 1/8 x 1/2
3/4 x 1 5/16 x 1/4	1 7/16 x 2 5/16 x 1/4	2 11/16 x 4 1/4 x 1/2
3/4 x 1 1/2 x 1/4	1 1/2 x 2 7/16 x 1/4	2 13/16 x 4 1/4 x 1/2
3/4 x 1 11/16 x 1/4	1 1/2 x 2 5/8 x 1/4	2 13/16 x 4 1/2 x 1/2
3/4 x 1 3/4 x 1/4	1 1/2 x 2 11/16 x 1/4	2 7/8 x 4 9/16 x 1/2
13/16 x 1 1/2 x 1/4	1 1/2 x 2 3/4 x 1/4	2 7/8 x 4 3/4 x 1/2
13/16 x 1 5/16 x 1/4	1 5/8 x 2 1/2 x 1/4	3 x 4 1/2 x 1/2
7/8 x 1 1/16 x 1/4	1 5/8 x 2 5/8 x 1/4	3 x 5 x 1/2
7/8 x 1 1/2 x 1/4	1 5/8 x 2 11/16 x 1/4	3 x 5 1/2 x 1/2
7/8 x 1 7/8 x 1/4	1 5/8 x 2 3/4 x 1/4	3 7/16 x 4 11/16 x 1/2
15/16 x 1 5/8 x 1/4	1 5/8 x 2 7/8 x 1/4	3 1/2 x 4 3/4 x 1/2
15/16 x 1 11/16 x 1/4	1 5/8 x 3 x 1/4	3 1/2 x 5 1/4 x 1/2
15/16 x 2 x 1/4	1 11/16 x 2 11/16 x 1/4	3 1/2 x 5 3/4 x 1/2
1 x 1 1/2 x 1/4	1 11/16 x 2 3/4 x 1/4	3 9/16 x 4 9/4 x 1/2
1 x 1 5/8 x 1/4	1 11/16 x 2 7/8 x 1/4	3 5/8 x 5 1/8 x 1/2
1 x 1 3/4 x 1/4	1 3/4 x 2 3/8 x 1/4	4 x 6 x 1/2
1 x 1 13/16 x 1/4	1 3/4 x 2 1/2 x 1/4	4 x 6 1/2 x 1/2
1 x 1 7/8 x 1/4	1 3/4 x 2 3/4 x 1/4	4 1/16 x 6 1/8 x 1/2
1 x 1 15/16 x 1/4	1 13/16 x 2 15/16 x 1/4	4 3/8 x 6 x 1/2
1 x 2 x 1/4	1 7/8 x 2 15/16 x 1/4	4 7/16 x 6 1/2 x 1/2
1 1/16 x 1 5/8 x 1/4	1 15/16 x 3 1/8 x 1/4	5 x 7 3/16 x 1/2
1 1/16 x 1 11/16 x 1/4	1 15/16 x 3 1/4 x 1/4	6 x 7 1/2 x 1/2
1 1/16 x 1 7/8 x 1/4	1 15/16 x 3 5/16 x 1/4	6 x 9 x 1/2
1 1/16 x 2 x 1/4	2 x 2 5/8 x 1/2	7 1/2 x 8 1/2 x 1/2
1 1/8 x 1 5/8 x 1/4	2 x 2 7/8 x 1/2	8 3/4 x 10 3/4 x 1/2
1 1/8 x 1 3/4 x 1/4	2 x 3 x 1/2	9 1/2 x 11 x 1/2
1 1/8 x 2 x 1/4	2 x 3 1/4 x 1/2	14 7/8 x 18 x 1/2
1 3/16 x 2 1/16 x 1/4	2 x 3 1/2 x 1/2	

New York Belting and Packing Company
LIMITED

Pure Sheet Rubber, Valve Gum and Strips

Double Diamond and Carbon pure sheet, in rolls, is carried in stock. Special qualities made to order at short notice.

List Price, per lb., \$1.40

Square Pure Strips

Carried in stock from $\frac{1}{4}$ inch to $1\frac{1}{8}$ inches, in lengths of 20 feet.

List Price, per lb., \$1.40

Pure Cord or Round Rubber Packing

Carried in stock from $\frac{1}{4}$ inch to $1\frac{1}{2}$ inches, in diameter, in lengths of 12 feet.

LIST PRICES

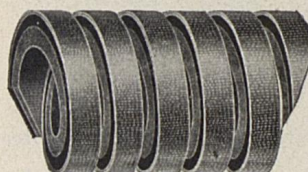
$\frac{1}{4}$ inch, per lb.	\$2 00
$\frac{3}{8}$ " "	1 75
$\frac{1}{2}$ " "	1 65
$\frac{5}{8}$ " "	1 65
$\frac{3}{4}$ " "	1 60
$\frac{7}{8}$ " "	1 60
1 " and larger	1 50

New York Belting and Packing Company
LIMITED

VULCAN Piston Packing

VULCAN is a high-grade spiral piston packing, well adapted for modern high-speed engines and high pressures.

The principle of its construction involves expensive processes of manufacture, but it is the



correct one, recognized as such by all engineers, and its durability makes it ultimately a cheap packing to use.

Referring to the cut, the lower part, "B," coming in contact with the piston rod, is composed of layers of duck, so arranged that their edges bear against the rod. The coils are easily compressed, securing a snug fit in the stuffing box.

New York Belting and Packing Company
LIMITED

The upper section, "A," is a quality of rubber capable of resisting the hardening effects of heat. This acts as a cushion, keeping the lower part, "B," firmly against the piston rod under sufficient pressure to be steam-tight, and with least



See that this label is on every box.

possible friction. Outside layers of duck protect the rubber cushion from adhering to stuffing box and give additional strength.

It is thoroughly lubricated with a selected grade of plumbago, and cannot possibly score the rod.

Length of coil, if extended in a straight line, about 10 feet.

Sizes from $\frac{1}{4}$ inch to $1\frac{1}{2}$ inches kept in stock; other sizes made to order.

Price, per lb., \$1.00

New York Belting and Packing Company
LIMITED

CROCOITE Piston Packing

Crocoite is a round, spiral packing, with a red rubber core of Ruby compound. The duck is very heavily frictioned with suitable rubber for resisting heat. It is lubricated with materials selected as best for the purpose.



Crocoite packing stands the highest temperatures and pressures, and is especially adapted for high-speed engines.

Made in sizes from $\frac{1}{2}$ inch to 2 inches.

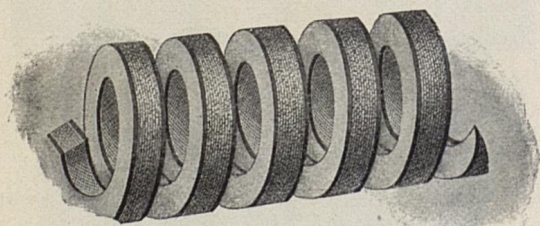
Put up in boxes containing about 12 feet

Price, per lb., \$1.00

New York Belting and Packing Company
LIMITED

GRAPHON Piston Packing

Graphon Piston Packing is made of alternate layers of rubber and loosely woven duck, thoroughly saturated with the best lubricating materials.



It is so constructed that it compresses more readily than other kinds, and properly applied, the stuffing box is rendered steam-tight under a light pressure of the glands.

Made in sizes from $\frac{1}{4}$ inch to $1\frac{1}{2}$ inches. Put up in boxes containing about 10 feet.

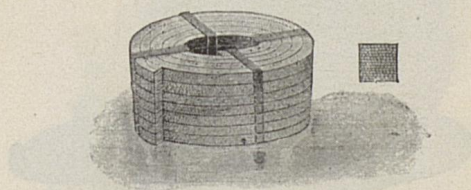
Price, per lb. \$1.00

New York Belting and Packing Company
LIMITED

Square Duck Packing

BLACK FRICTION

for ordinary cold-water use. Made in two grades, "DOUBLE DIAMOND" and "SPIDER," both carried in stock in sizes $\frac{1}{4}$ inch and up.



WHITE FRICTION

for hot-water packing. Made on fine duck, with an excellent friction. Under a high temperature it swells very little in service.

Furnished in lengths of 20 feet.

Price, per lb., 85 cents



Rubber Back Packing

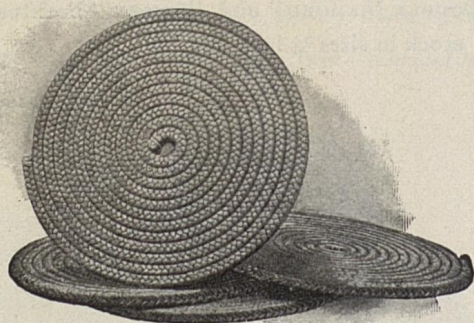
Made in lengths of 20 feet

Price, per lb., \$1.00

New York Belting and Packing Company

LIMITED

SQUARE Flax Packing



Carried in two grades, under our well-known DOUBLE DIAMOND and CARBON brands. Both grades are made of the finest quality of pure Russian flax, the difference being in the length of the fiber. Treated with pure tallow to insure proper lubrication.

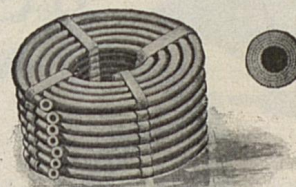
Put up in boxes weighing from 5 to 10 lbs., according to sizes.

Price, per lb., 75 cents

New York Belting and Packing Company

LIMITED

TUCKS Round Packing



Made of heavy, well-frictioned cotton duck wrapped around a rubber core or center and vulcanized solidly together. Made in 12-foot lengths and in sizes $\frac{1}{4}$ inch and larger.

Price, per lb., 85 cents

CLOTH Insertion Gaskets

Regular cloth insertion gaskets, carried in stock in all standard sizes and widths of flanges, from 2 x 3 inches to 12 x 18 inches.

New York Belting and Packing Company

LIMITED



Double Diamond Tubular Gasket

DOUBLE DIAMOND TUBULAR GASKET is made of the well-known Ruby compound, a stock unexcelled as a universal packing. It is essentially a gasket for high temperatures and excessive pressures. It adapts itself readily to unevenness of flanges, will not harden, and may be used repeatedly, and therefore is the most convenient gasket to use in joints that have to be frequently broken.

No other gasket covers such a wide range of usefulness. With a box of each size on hand, the engineer can pack any joint perfectly without

New York Belting and Packing Company

LIMITED

waste of material, as the shortest pieces can be quickly formed into a perfect gasket by the use of adhesive tape and metal tubes sent with each box.

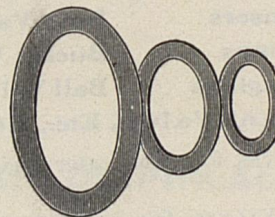
It is put up in neat boxes, with full instructions for use, in the following sizes. Larger sizes for special purposes made to order:

$\frac{3}{8}$ inch for pipe unions.

$\frac{1}{2}$ inch for hand-hole plates.

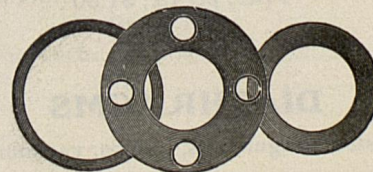
$\frac{5}{8}$ and $\frac{3}{4}$ inch for man-hole plates.

Cloth Insertion Gaskets

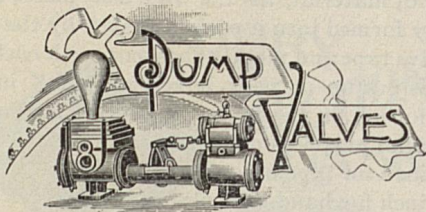


Cloth Insertion Rings

Carried in stock in all standard sizes and widths of flanges, from 4 inches in diameter to 26 inches in diameter.



New York Belting and Packing Company
LIMITED



THE EFFICIENCY OF PUMPS depends largely upon the rubber valves. Our line is very complete, and includes valves made especially for

Marine Work	Petroleum Valves
Condensers	Foot Valves
Air Pumps	Bucket Valves
Fire Engines	Ball Valves
Tank Valves, Etc., Etc.	

SOFT VALVES, for cold-water and light pressures.

MEDIUM VALVES, for moderate temperatures and lifts.

HARD VALVES, for hot-water and high pressures.

When advised of the service conditions, we will undertake to supply valves especially adapted for the specific purpose.

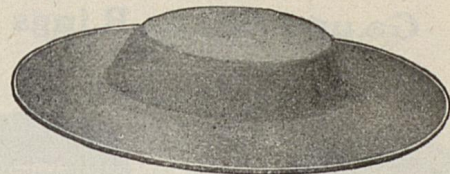
Price, per lb., \$1.50

DIAPHRAGMS

For steam regulators, pumps, vacuum brakes, etc.

New York Belting and Packing Company
LIMITED

STEAM Regulator Diaphragms

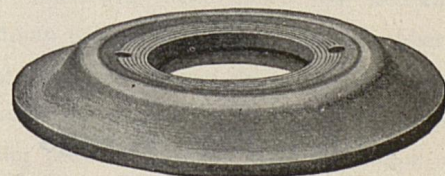


High or low pressure.

PRICE LIST

No. 1, 6 $\frac{3}{4}$ inches outside diameter, each....	\$0 55
No. 2, 9 " " "	85
No. 3, 11 $\frac{5}{8}$ " " "	1 45
No. 4, 15 " " "	2 65

PUMP DIAPHRAGMS



For Edson and Loud pumps.

PRICE LIST

No. 2 Edson, each.....	\$2 00
No. 3 " "	3 00
No. 4 " "	4 00
No. 1 Loud, "	2 00
No. 2 " "	3 00

Gauge Glass Rings



ROUND FLANGE



SQUARE FLANGE

Pure, for $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ inch glasses. Other sizes to order. Square and round flange, white or dark. Prices on application.

Lubricator Rings

CLOTH INSERTION

Made to order

Prices on application

Ammonia Rings

Made from pure stocks or with cloth insertion, in several qualities, adapted to the service required. Furnished in any sizes.

Prices on application.

Hydraulic Packing Rings

FOR COTTON COMPRESSES, ELEVATORS, ETC.

We construct them under the well-known Boardman patent, of tough, durable rubber and strong, specially woven duck. Our assortment of moulds for these rings is large and complete, covering practically every size and shape used, and enabling us to make quick delivery of rings at bottom prices. In ordering, attach sketch, giving cross-section and all dimensions. Prices on application.

-LIMITED

The image shows two toroidal coils. The one on the left has a solid, dark-colored core, while the one on the right has an air core. Both coils are wound with thin wire and have a similar number of turns.

Prices on application

A dark, conical object, possibly a container or a piece of equipment, with a small circular opening at the top. The object has a textured surface and is shown from a slightly low angle.

1/2 inch, per dozen.....	\$0 25
5/8 " "	35
3/4 " "	60
1 " "	1 00

LIMITED

NYBETTING & PACKING CO. LTD.
THIS LABEL IS A GUARANTEE OF
QUALITY AND DURABILITY OF
1846 PARA
NEW YORK.

is our finest grade. It indicates exceptional quality in material of every description, and goods bearing this brand can be depended upon to give the extreme of service, both as to strength and durability.



is a superior quality, warranted to give excellent satisfaction. Its great popularity rests on the general recognition of the fact that it gives the maximum of service at the minimum of cost.

New York Belting and Packing Company

LIMITED



"CARBON"

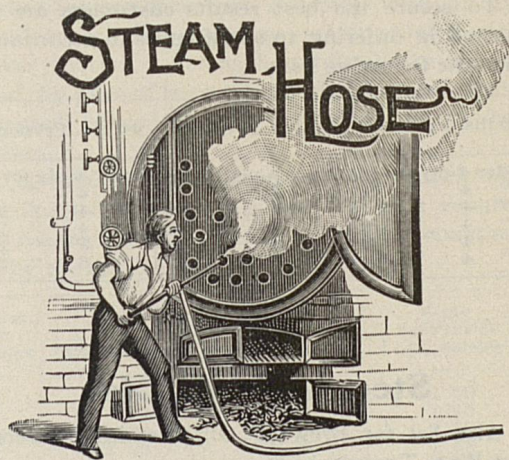
is made by exactly the same processes and with the same care used in our better grades, but the material entering into its composition is, of course, less expensive. It fully meets the requirements of buyers who desire an article lower in price than our other grades but one returning a full equivalent in service.

The "1846 Para." brand is used only on belting and hose; the "Double Diamond" and "Carbon" brands are used on all our regular lines of goods.

In addition to these three leading grades, to make our line more full and complete, we have added other special qualities and brands, about which we will be pleased to furnish full information upon request.

New York Belting and Packing Company

LIMITED



The manufacture of steam hose presents more difficulties than that of other kinds, due to the penetrating and destroying effect of the extreme heat of steam when under pressure. Hose can easily be made to withstand the pressure, but the heat increasing with each pound of pressure, reaches an intensity which causes the rubber tube first to swell, and next to harden, losing its elastic and adhesive qualities. To offset this it is necessary to use a tube specially compounded to resist the action of heat and effectually protect the duck. It is at this point that the skill and resources of the manufacturer prove themselves. The tubes in our steam hose give uniformly good results, and prolong the life of the hose to the utmost extent of which rubber is capable.

New York Belting and Packing Company

LIMITED

To secure the best results customers are requested in ordering to specify plies in accordance with the following list:

20 lbs. Pressure	30 lbs. Pressure	40 lbs. Pressure
Order 4-ply for $\frac{1}{2}$	Order 4-ply for $\frac{1}{2}$	Order 4-ply for $\frac{1}{2}$
" 4 " $\frac{3}{4}$	" 4 " $\frac{3}{4}$	" 4 " $\frac{3}{4}$
" 4 " 1	" 4 " 1	" 4 " 1
" 4 " $1\frac{1}{4}$	" 4 " $1\frac{1}{4}$	" 4 " $1\frac{1}{4}$
" 4 " $1\frac{1}{2}$	" 4 " $1\frac{1}{2}$	" 5 " $1\frac{1}{2}$
" 4 " 2	" 5 " 2	" 6 " 2

Steam Hose List

Also list for Brewers', Oil, Chemical, Divers', Hot Wax, Tanners,' Etc.

Inch	3-ply	4-ply	5-ply	6-ply	7-ply	8-ply
$\frac{1}{2}$	\$0 43	\$0 51	\$0 63	\$0 76	\$0 89	\$1 02
$\frac{3}{4}$	51	67	83	1 00	1 17	1 34
1.....	67	83	1 03	1 24	1 45	1 66
$1\frac{1}{4}$	85	1 04	1 30	1 56	1 82	2 08
$1\frac{1}{2}$	1 02	1 25	1 56	1 87	2 18	2 50
$1\frac{3}{4}$	1 18	1 45	1 81	2 17	2 53	2 90
2.....	1 34	1 66	2 07	2 49	2 90	3 32
$2\frac{1}{4}$	1 50	1 87	2 33	2 80	3 27	3 74
$2\frac{1}{2}$	1 66	2 08	2 60	3 12	3 64	4 16

Air Drill Hose

Owing to the nature of its service, Air Drill Hose experiences extremely rough handling. Used in mines and quarries, it is dragged over sharp, jagged rocks, and the wear and tear on the cover is severe. To meet these conditions, our hose is

New York Belting and Packing Company

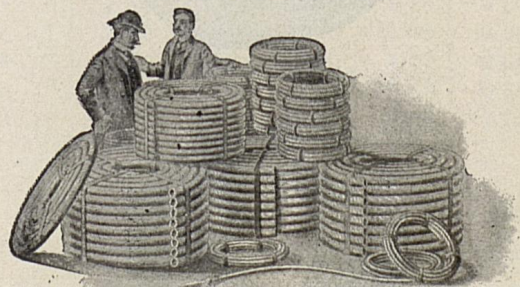
LIMITED

finished (unless otherwise ordered) with an external layer of stout canvas, water-proofed with rubber friction. Strength and flexibility are secured by plies of heavy, properly-balanced duck, cemented firmly together by tenacious rubber friction.

The care and thoroughness with which our hose is constructed have given it a high reputation among practical men, and it is in constant use by the largest mines in the country.

Diam. in inches	4-ply (3-ply inside 1-ply outside)	5-ply (4-ply inside 1-ply outside)	6-ply (5-ply inside 1-ply outside)
$\frac{3}{4}$	\$0 67	\$0 84	\$1 00
1.....	83	1 04	1 25
$1\frac{1}{4}$	1 04	1 30	1 56
$1\frac{1}{2}$	1 25	1 56	1 88
2.....	1 66	2 08	2 49
$2\frac{1}{4}$	1 87	2 33	2 80
$2\frac{1}{2}$	2 08	2 60	3 12
3.....	....	....	4 20

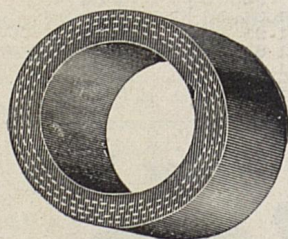
Water Hose



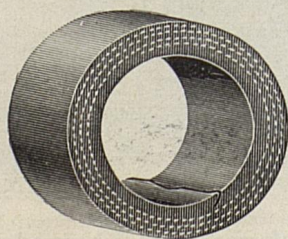
The manufacture of hose has undergone many changes in recent years the most important

New York Belting and Packing Company
LIMITED

being the introduction of the seamless tube and the machine process of manufacture. Formerly the inner tube was made from a sheet of rubber 50 feet long, of a width to encircle the hose pole. This, when put together, frequently failed to unite throughout its entire length. When so made the imperfectly joined seam is apt to open, allowing water to enter and rot the duck. Most defects in hose are due to faulty seams, all of which are obviated by our seamless tube process, in which the tube is run from a machine like lead pipe from a die. There is no seam to open, water cannot penetrate the duck, and the life of the hose is greatly prolonged.



SEAMLESS TUBE



LAPPED-SEAM TUBE

New York Belting and Packing Company
LIMITED

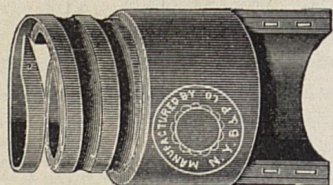
Water Hose List

Int. Diam.	2-ply	3-ply	4-ply	5-ply	6-ply
½ in.	\$0 20	\$0 25	\$0 30	\$0 37	\$0 45
¾ "	25	30	37	46	55
1 "	33	40	50	62	75
1¼ "	42	50	62	77	93
1½ "	50	60	75	93	1 12
1¾ "	58	70	87	1 08	1 30
2 "	66	80	1 00	1 25	1 50
2¼ "	75	90	1 12	1 40	1 68
2½ "	83	1 00	1 25	1 56	1 87
2¾ "	92	1 10	1 37	1 71	2 05
3 "	99	1 20	1 50	1 87	2 25
3½ "	1 16	1 40	1 75	2 18	2 62
4 "	1 32	1 60	2 00	2 50	3 00
5 "	1 65	2 00	2 50	3 13	3 75
6 "	1 98	2 40	3 00	3 75	4 50
7 "	2 31	2 80	3 50	4 38	5 25
8 "	2 64	3 20	4 00	5 00	6 00
9 "	2 97	3 60	4 50	5 63	6 75
10 "	3 33	4 00	5 00	6 25	7 50

All intermediate sizes charged at the list price of the next larger size, thus: 1½ inch is charged at 1¾ inch price, etc. Furnished in 25 and 50 foot lengths; made to order in any special length not exceeding 50 feet.

New York Belting and Packing Company
LIMITED

FOR STEAM FIRE ENGINES, MINING,
EXCAVATING, WRECKING AND
SAND PUMPS

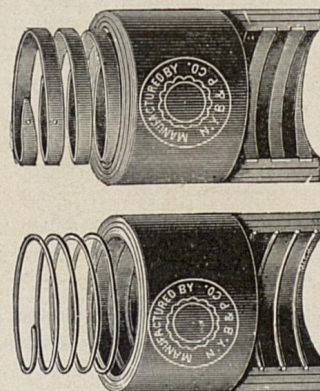


SMOOTH-BORE SUCTION HOSE LIST

Inter. Diam.		Per Foot
2 inches.....		\$2 60
2½ "		3 50
3 "		4 50
3½ "		5 50
4 "		6 50
4½ "		7 50
5 "		8 50
5½ "		9 50
6 "		10 50
6½ "		12 00
7 "		13 50
7½ "		15 00
8 "		16 50
9 "		19 50
10 "		22 50
12 "		27 50

New York Belting and Packing Company
LIMITED

Wire-lined Suction Hose



Constructed in the same manner as smooth
bore suction hose, with the exception that the
wire lining is not covered with rubber.

WIRE-LINED SUCTION HOSE LIST

Inter. Diam		Per Foot
¾ inch.....		\$0 70
1 "		90
1¼ "		1 15
1½ "		1 50
1¾ "		1 90
2 "		2 30
2½ "		3 10
3 "		4 00
3½ "		4 90
4 "		5 80
4½ "		6 70

New York Belting and Packing Company

LIMITED

WIRE-LINED SUCTION HOSE LIST—Continued

Inter. Diam.	Per Foot
5 inches.....	\$ 7 60
5½ "	8 50
6 "	9 50
6½ "	10 50
7 "	12 00
7½ "	13 50
8 "	15 00
9 "	17 50
10 "	20 00
12 "	25 00

Sizes up to 2 inches made on tinned iron wire,
larger sizes on flat galvanized iron wire.

Brass Wire-lined Suction Hose List

Int. Diam.	Per Foot
¾ inch.....	\$0 77
1 "	1 00
1¼ "	1 25
1½ "	1 65
1¾ "	2 10
2 "	2 50

Oil Suction Hose

(Same list as Wire-lined Suction)

New York Belting and Packing Company

LIMITED

Portable Suction Hose

A smooth bore, wire-lined Suction Hose, made especially for use with agricultural machinery, such as portable engine pumps, threshers, etc. It is constructed carefully and with proper usage will give good service.

Size	LIST PRICES	Per Foot
1 inch.....		\$0 75
1¼ "		93
1½ "		1 13
1¾ "		1 31
2 "		1 50
2¼ "		1 69
2½ "		1 88

Made only in above sizes

Hard Rubber Suction Hose

A cheap and reliable article for moderate work. We do not recommend this class of suction in larger sizes than 1¼ inch.

Size	LIST PRICES	Per Foot
¾ inch, per foot.....		\$0 65
1 " "		75
1¼ " "		93

New York Belting and Packing Company

LIMITED

Rubber Tubing

The numerous purposes for which rubber tubing is used are constantly increasing, and its manufacture has become a large and important branch of the rubber industry. Formerly all tubing was hand-made; now comparatively little, and only the purest, is so constructed; all other kinds are made by machine. We manufacture tubing of all kinds, sizes and grades, for all purposes, and it is guaranteed to render the best of service.

Pure Tubing

HAND-MADE, SMOOTH; AND MACHINE MADE,
SMOOTH OR CORRUGATED

Our pure tubing for gas, water, etc., is carefully mixed, uniformly fine in quality and thoroughly vulcanized. It is free from pin holes and does not harden or crack.

PRICE LIST

Int. Diam. Inches	1/16	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8	1
Per foot:	.04	.08	.12	.16	.18	.20	.25	.30	.35	.40	.45

New York Belting and Packing Company

LIMITED

Hand made tubing furnished in lengths of 12 or 25 feet, with light (1/16 in.) or heavy (1/8 in.) wall.

Machine-made in any length desired, with light (1/16 in.), medium (3/32 in.) or heavy (1/8 in.) wall.

Bottling Tubing, Red Pure

Sizes 5/16 and 3/8, with 1/16 wall, 12-foot lengths.
Prices on application.

Acid Tubing

Made to order in all sizes and thicknesses of wall.

List, \$1.50 per pound.

Pure Black Tubing

Prices on application

New York Belting and Packing Company

LIMITED

Cloth Insertion Tubing

RED OR WHITE

For Water, Air and Beer Pumps, etc. A strong, durable article, constructed from superior rubber and duck, and giving thoroughly satisfactory service.

PRICE LIST

Int. Diam. Inches	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8	1
Per Foot	.10	.14	.18	.20	.23	.28	.33	.38	.44	.50

2-ply white tubing carried in stock in above sizes in lengths of 6 or 12 feet. 3-ply red tubing carried in stock in above sizes in lengths of 25 or 50 feet. The sizes used for beer pumps are 1/4 inch, 5/16 inch, 3/8 inch and 1/2 inch. We also make an extra heavy red tubing for beer pumps, 1/2 inch, 5-ply, at special prices.

New York Belting and Packing Company

LIMITED

Soda Water Tubing

ALSO USED FOR HIGH PRESSURE

PRICE LIST

Int. Diam.										
3/8 inch, 5-ply.....	per foot,	\$0	32							
3/8 " 6 "	"	"	38							
3/8 " 7 "	"	"	44							

Bicycle Pump Tubing

1/8 inch for hand pumps and 3/16 inch for foot pumps, black, red or white. Constructed from superior stock and does not harden or crack in service. Inferior tubing soon cracks and should not be used on first-class pumps. Prices on application.

Fire Extinguisher Tubing

7/16 inch, 3-ply, red. Prices on application

WE ALSO MAKE TUBING FOR SPECIAL PURPOSES

Prices on application

New York Belting and Packing Company
LIMITED



Seamless Stitched Belt

Our seamless stitched belt differs from others in that we do not depend mainly on the stitches to unite the plies. We bind them together with the same quality of rubber friction which we would use if the belts were not to be stitched. Furthermore, by our process the stitches do not become slack, nor will the belt stretch and place a strain upon the stitches sufficient to break them. The cover is seamless, of good quality, excluding moisture, and thoroughly protecting the duck and stitching.

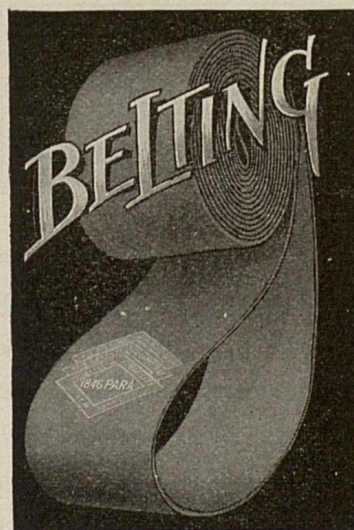
Thresher Belts

The large demand for an extra serviceable belt for threshing machines and other agricultural implements has warranted us in making a belt especially adapted to this service, combining flexibility and strength with a superior cover and friction.

A full line of stacker and side belts carried.

New York Belting and Packing Company
LIMITED

RUBBER BELTING



The cost of power transmission by means of belting is determined by three conditions:

The efficiency of the belt used.

Its durability.

Its original cost.

Rubber belting embraces these requisites to an extent not found in any other kind of belting.

New York Belting and Packing Company

LIMITED

Elevator Belting



Owners and operators of grain elevators appreciate the importance, and the difficulty also, of obtaining belting that will satisfactorily perform the heavy work of conveying and elevating grain. We have made a specialty of this class of belting for a great many years. Our elevator belts are durable and non-stretching. They run true and smooth on the pulleys, and can be depended upon at all times to properly do the work required of them.

We shall be glad to submit estimates for equipping elevators with belting of any length or thickness, in widths up to 72 inches.

Each belt is branded as above.

New York Belting and Packing Company

LIMITED

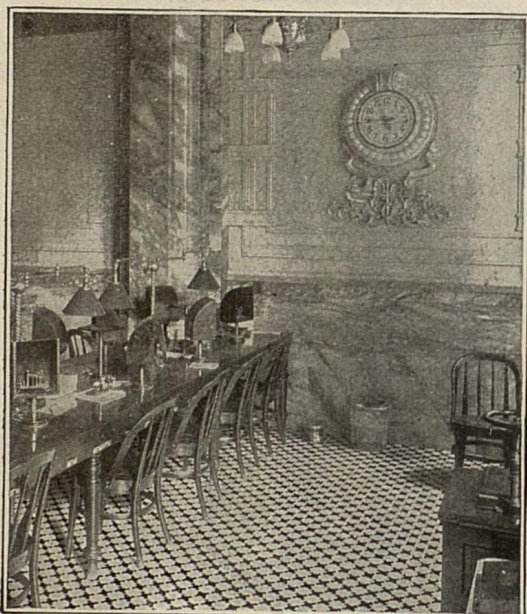
Rubber Belt List

Width Inches	2-ply	3-ply	4-ply	5-ply	6-ply	7-ply	8-ply
1	\$0 07	\$0 09	\$0 11	.....	.....	.....	.....
1 1/4	09	11	14	.....	.....	.....	.....
1 1/2	11	13	16	.....	.....	.....	.....
2	15	17	21	\$0 26	\$0 32	.....	.....
2 1/2	18	22	26	32	39	.....	.....
3	22	26	31	38	46	.....	.....
3 1/2	26	30	37	46	56	.....	.....
4	30	34	42	52	63	.....	.....
4 1/2	33	39	47	58	71	.....	.....
5	36	43	52	65	78	.....	.....
6	43	52	62	77	93	\$1 09	\$1 24
7	51	60	73	91	1 09	1 27	1 46
8	59	70	84	1 05	1 26	1 47	1 68
9	67	80	95	1 18	1 42	1 67	1 90
10	75	90	1 07	1 33	1 60	1 87	2 14
11	83	1 00	1 18	1 47	1 77	2 06	2 36
12	91	1 08	1 30	1 62	1 95	2 27	2 60
13	1 00	1 18	1 42	1 77	2 13	2 48	2 84
14	1 08	1 28	1 54	1 92	2 31	2 69	3 08
15	1 16	1 38	1 66	2 07	2 49	2 90	3 32
16	1 25	1 50	1 78	2 22	2 67	3 11	3 56
18	1 41	1 70	2 02	2 52	3 03	3 53	4 04
20	1 58	1 90	2 26	2 82	3 39	3 95	4 52
22	1 76	2 12	2 52	3 15	3 78	4 41	5 04
24	1 96	2 36	2 80	3 50	4 20	4 90	5 60
26	2 15	2 60	3 08	3 85	4 62	5 39	6 16
28	2 35	2 84	3 36	4 20	5 04	5 88	6 72
30	2 55	3 10	3 64	4 55	5 46	6 37	7 28
32	2 75	3 35	3 92	4 90	5 88	6 86	7 84
34	2 95	3 60	4 20	5 25	6 30	7 35	8 40
36	3 15	3 85	4 48	5 60	6 72	7 84	8 96
38	3 35	4 10	4 76	5 95	7 14	8 33	9 52
40	3 65	4 35	5 04	6 30	7 56	8 82	10 08
42	3 75	4 60	5 32	6 65	7 98	9 31	10 64
44	3 95	4 85	5 60	7 00	8 40	9 80	11 20
46	4 15	5 10	5 88	7 35	8 82	10 29	11 76
48	4 35	5 35	6 16	7 70	9 24	10 78	12 32
50	.....	.....	6 44	8 05	9 66	11 27	12 88
52	.....	.....	6 72	8 40	10 08	11 76	13 44
54	.....	.....	7 00	8 75	10 50	12 25	14 00
56	.....	.....	7 28	9 10	10 92	12 74	14 56
58	.....	.....	7 56	9 45	11 34	13 23	15 12
60	.....	.....	7 84	9 80	11 76	13 72	15 68

New York Belting and Packing Company

LIMITED

Interlocking Rubber Tiling



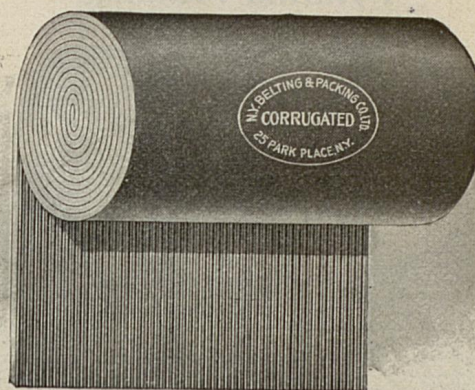
Noiseless, non-slippery, sanitary and extraordinarily durable, the finest floor that can be laid in business offices, banking-rooms, court-rooms, vestibules, halls, billiard-rooms, cafés, libraries, churches, hospitals and hotels. It is specially adapted for steamships, yachts, etc., standing, without cracking or separating, the straining and racking of the ship. Each tile is interchangeable and distinct, but shaped so as to lock firmly into the surrounding tiles. The interlocking feature produces a solid rubber floor, unlimited in size or shape, with all the durability of the hard tile, without its liability to damage.

Manufactured under our patent, and sold only by us and our authorized agents. Estimates, designs and samples furnished on application. Send for special catalogue.

New York Belting and Packing Company

LIMITED

Corrugated Matting



In halls, corridors, vestibules and other places where the foot traffic is heavy, runners of Corrugated Matting preserve the floor from wear, deaden noise, and on marble, tile or hardwood floors, prevent slipping.

The rubber used in our Matting is of the most serviceable quality.

If desired, matting will be laid by us, at a moderate charge.

Where the wear is heavy, we do not recommend anything lighter than $\frac{1}{8}$ inch.* Made to order in widths not exceeding 72 inches, and in thicknesses mentioned in the following list.

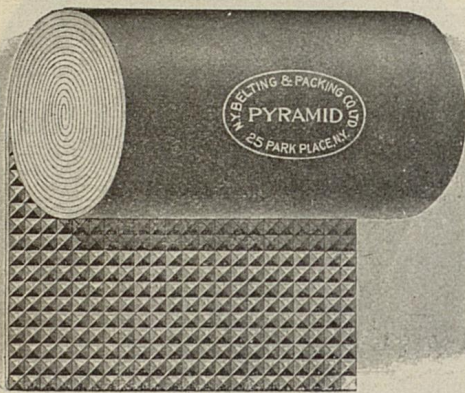
PRICE LIST

$\frac{3}{32}$ inch thick.....	per square foot, \$0	33
$\frac{1}{8}$ "	" " "	40
$\frac{3}{16}$ "	" " "	56
$\frac{1}{4}$ "	" " "	73
$\frac{3}{8}$ "	" " "	1 03
$\frac{1}{2}$ "	" " "	1 30

Kept in stock in rolls 36 inches wide, and in thicknesses of $\frac{3}{32}$, $\frac{1}{8}$, $\frac{3}{16}$ and $\frac{1}{4}$ inches. Made to order in widths not exceeding 72 inches, and in thicknesses given.

New York Belting and Packing Company
LIMITED

Pyramid Matting

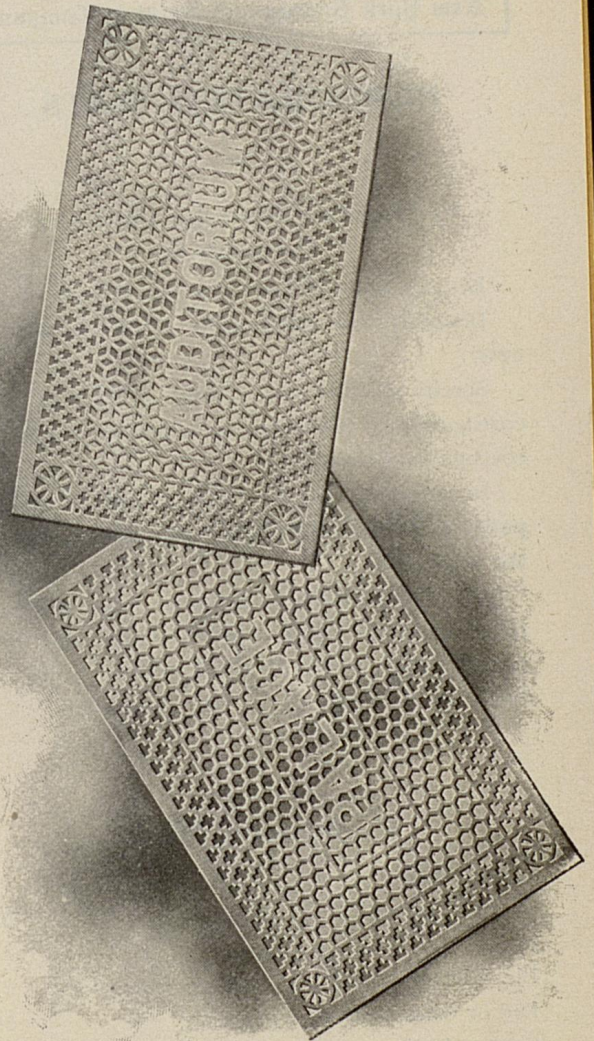


This style is more easily cleaned than the corrugated, because it can be brushed in either direction. It is especially convenient and economical for stair treads, the form of the pyramids permitting the cutting to be done either cross-wise or lengthwise of the roll, avoiding waste.

PRICE LIST

1/8 inch thick.....	per square foot, \$0	55
3/16 "	" " "	75
1/4 "	" " "	95
3/8 "	" " "	1 35
1/2 "	" " "	1 75

Made in rolls of any size up to 40 inches wide.
Square or oblong treads cut from the regular pyramid matting without additional charge.



PERFORATED MATS

In Ordering Give the Following Particulars

Length, breadth and thickness, in inches.

Designate the pattern by proper name (see cuts).

Specify whether the surface is to be plain or corrugated; if the latter, in which direction the corrugations should run.

In ordering odd-shaped mats, send a paper pattern, cut exactly to shape and size, specifying the upper side.

Mats can be made 20 feet long, but it is better to divide large mats into sections so that they can be easily handled; in very large mats the heavy weight tends to tear out the meshes.

Perforated Mats

1/4 inch thick	per square foot, \$0 75
3/8 "	" " 1 00
1/2 "	" " 1 25
Black letters	extra per letter, 25
Red or white letters	" " 50
Canvas back, extra per square foot, net,	20

47-M-64

New York Belting and Packing Company, Ltd

STORES

NEW YORK—25 Park Place

BOSTON—24 Summer St.

PHILADELPHIA—724 Chestnut St.

BALTIMORE—41 South Liberty St.

CHICAGO—150 Lake St.

INDIANAPOLIS—229 S. Meridian St.

ST. LOUIS—411 N. 3rd St.

SAN FRANCISCO—509-511 Market St.



LOUIS DES COGNETS.

E. W. HAGYARD.

Office of Des COGNETS & HAGYARD,

—DEALERS IN—

Lime, Cement, Sand, Wood, Coal & Feed.

NOS. 75 & 77 NORTH LIMESTONE STREET.

MESSRS. DES COGNETS AND HAGYARD
WISH TO INFORM THEIR FRIENDS AND
THE PUBLIC GENERALLY THAT HAVING
BOUGHT THE BUSINESS OF G. D. WIL-
GUS IN THE COAL AND FEED LINE THEY
WILL KEEP CONSTANTLY ON HAND A
LARGE SUPPLY OF COAL, WOOD, LIME,
CEMENT AND SAND. ALSO FULL SUP-
PLIES OF HAY, CORN AND OATS OF
THE BEST QUALITY, TO WHICH THE
ATTENTION OF HORSEMEN IS ESPECIAL-
LY CALLED.

PATRONAGE SOLICITED AND SATIS-
FACTION GUARANTEED.

LEXINGTON, KY., OCT. 25, 1884.

Heating of Private Residences by Low Pressure Steam or Hot Water, a Special Feature.

GEO. E. LIGHT, President.

FRED. W. MYERS, Vice-Pres't.

EDW. A. VANCE, Sec y & Treas.

The Eureka Heating AND Ventilating Co.

CONTRACTORS FOR THE
HEATING AND VENTILATING
—OF ALL CLASSES OF—
PUBLIC AND PRIVATE BUILDINGS

By High or Low Pressure Steam or Hot Water Circulation.

Plans and Specifications Furnished.
Correspondence Solicited.
Scientific Construction.
Faithful Workmanship.
Prompt Execution.
Results and Prices Satisfactory.

Steam Fitting in all its Branches. Orders for Repairs
and Re-construction Solicited.

Office, 340 Walnut St.,
CINCINNATI, OHIO.

(OVER)

47-M-64

Light's "Eureka" Boilers and Radiators,

Light's "Sanitary" Heavy Duty Water Filters,

Morehead's Return Steam Traps,

The Eureka Smokeless Furnace,

Upright and Horizontal Tubular Boilers,

High and Low Pressure Steam Heating Apparatus,

Hot Water Heating Apparatus,

Exhaust Steam Heating Apparatus,

Sensitive Automatic Fire Sprinkler Systems,

Boiler Fronts and Fixtures,

Rocking Anti-Clinker Grates.

EVERYTHING PERTAINING TO THE BUSINESS.

47-M-64

Various other combinations will suggest themselves by the finish, etc., of the room where the Radiator is placed.

That you may obtain a correct idea of the cost of decorating as above, we give you the quantity of bronze required, viz:

$\frac{3}{4}$ Ounce will bronze the entire loop, (38")

$\frac{1}{4}$ Ounce will bronze all the ornamentation, making it necessary to use only $\frac{3}{4}$ of ounce to finish in two colors, at a cost per loop for bronze, when best quality is used, of about 6 cts. Add to this the cost of paint and bronze liquid, which is about 1 cent, makes the total cost of material for decorating in combination of colors about 7 cents per loop.

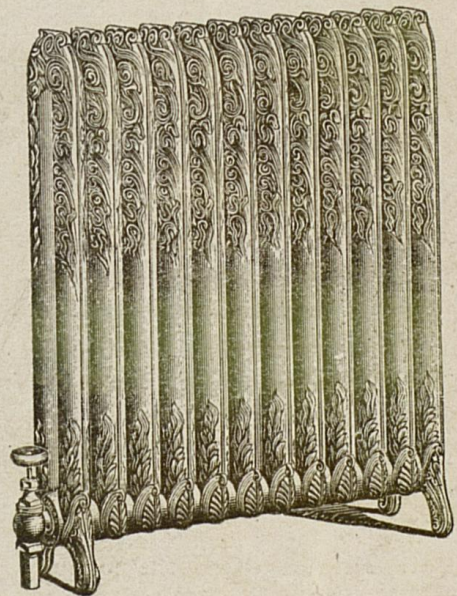
We keep on hand a stock of fine quality bronze, of our own importation in the following colors: **Gold, Silver, Copper, Blue, Green, Fire and Lemon**, which we quote you at \$1.50 per pound, and respectfully solicit your orders for large or small quantities.

Michigan Radiator & Iron M't'g Co.
DETROIT, MICH

DIRECTIONS ·· FOR ·· DECORATING

PERFECTION

+ + + **RADIATORS.** + + +



MANUFACTURED BY

Michigan Radiator & Iron M't'g Co.
DETROIT, MICH.

✦DIRECTIONS✦

FOR DECORATING

"Perfection" Radiators.



ONE of the many advantages the "Perfection" has over other Radiators is, that on account of the artistic design of the ornamentation and its particularly convenient shape for decorating, renders it possible to finish in combination of different colored bronzes, so that at a very reasonable expense it can be finished to correspond and harmonize with its surroundings, even when placed in a room with the most costly and elegant furnishings.

We therefore submit the following directions which can be easily and simply executed.

First give the Radiator a coat of paint, properly mixed so that it will stand the

heat, and when dry go over the entire surface of the loops with **Bronze Liquid**, and then apply the **Dry Bronze** with ordinary camels hair brush.

The advantages derived are many by putting on the bronze dry. You obtain a much better luster; it will last longer and takes much less material.

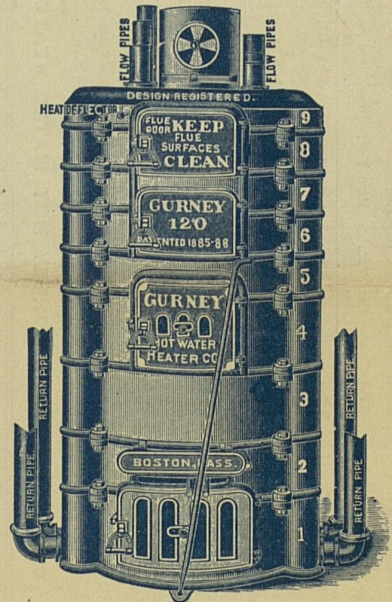
After the first coat of bronze is thoroughly dry, go over the **raised ornamentation** with bronze liquid, using wide, flat brush, making it very easy to touch only the ornamental part, and then apply dry bronze in **different color** from first coat, of course selecting for this a color that will harmonize with the body or first coat.

If these directions are carefully followed an extremely rich and elegant finish is obtained.

We mention the following combinations as being particularly effective, viz:

SILVER BODY WITH COPPER ON ORNAMENTAL PART,					
COPPER	"	SILVER	"	"	"
COPPER	"	GOLD	"	"	"
BLUE GREEN	"	COPPER	"	"	"

GURNEY'S HOT WATER HEATER.



Patents 1885-1888.

GURNEY HOT WATER HEATER CO.
237 Franklin St., Boston.

Send for our new book, "How Best to Heat Our Homes."



GURNEY HOT WATER HEATERS AMONG WHICH ARE: ARE THE BEST, FOR THE FOLLOWING REASONS,

The Cheapest and Most Powerful in the Market.

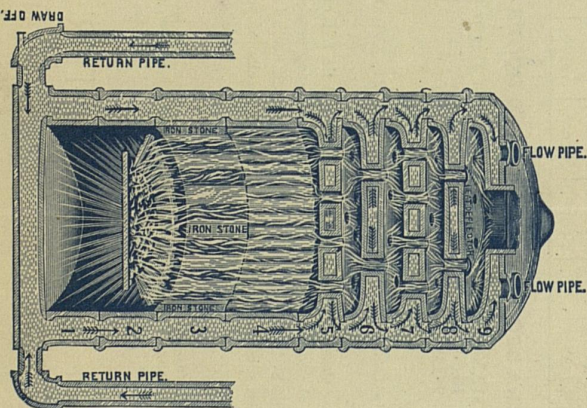
The Greatest Heating Surface.

Is Portable and Easily Set up.

Noiseless in Operation.

The Most Efficient and Easily Cleaned Fire Chamber.

Can be conveniently taken through an ordinary doorway.



An Entirely New Principle.

Requires no Brick Work.

Does not Corrode or Rust out.

Economical in Consumption of Fuel.

The Minimum of Friction and the Maximum of Surface combined constitute an Ideal Water Heater.

Highest Awards wherever exhibited.

47-M-64

Price List and Dimensions of the Gurney Hot Water Heater.

Number of Heater.	Diameter of Heater.	Height of Heater.	Diameter of Grate	Diameter of Fire Pot.	Depth of Fire Pot.	Number of openings tapped for flow and return pipes.	Size of Smoke Pipe.	Price.
20	20 in.	44 in.	14 in.	14 in.	15 in.	3 2-in.	6 in.	\$ 75.00
22	22 "	47 "	17 "	16 "	16 "	4 "	6 "	105.00
117	No. 100 Series.	24 "	52 "	19 "	17 "	4 "	6 "	165.00
120		27 "	55 "	20 "	21 "	6 "	7 "	200.00
123		30 "	58 "	23 "	21 "	8 "	7 "	260.00
126		33 "	60 "	26 "	22 "	10 "	7½ "	324.00
131		40 "	64 "	31 "	22 "	12 "	8 "	430.00

No. 20 and No. 22 Heaters remain unchanged in construction.

Prices complete, including set of Fire Irons and Cleaning Brush.

CAPACITY OF THE GURNEY HOT WATER HEATER.

Number of Heater	20	22	117	120	123	126	131
Direct radiating surface heater will supply .	Square ft. 160	Square ft. 225	Square ft. 400	Square ft. 650	Square ft. 900	Square ft. 1500	Square ft. 2000
Amount estimated for flow and returns (Properly Covered.)	40	75	100	150	250	300	500
Total radiating surface should not exceed .	200	300	500	800	1150	1800	2500
Number of cubic feet each size will heat, according to exposure of building, glass surface, construction and other conditions .	Cubic ft. 7000	Cubic ft. 10000 to 12000	Cubic ft. 12000 to 16000	Cubic ft. 16000 to 24000	Cubic ft. 24000 to 30000	Cubic ft. 30000 to 40000	Cubic ft. 40000 to 60000
Size Coal	Stove.	Stove.	Stove.	Stove.	Sm. Egg	Sm. Egg	Sm. Egg

PRICES OF EXTRA SECTIONS, INCLUDING DOORS AND FRONTS.

No. 123, \$12.50 each net; increases height of Heater 6 inches.
 " 126, 16.00 " " " " " 6 "
 " 131, 23.00 " " " " " 8 "

Price of 4-inch headers for twin connections, Nos. 123, 126 and 131, \$50.00 net.

Valves furnished at market rates.

All flow and return pipes in cellar should be properly covered with hair felt or some other good non-conducting material to obtain the most economical and best results. Doing this will save one-sixth of the heat.

Heaters are tested to sixty pounds hydraulic pressure and are to be used exclusively on the open tank system.

Gurney heaters are all based upon scientific principles, and are the results of years of practical experience. They have obtained the highest awards wherever exhibited, and are acknowledged to be unrivalled in their several departments.

NOTE.—The surfaces set down are for *direct radiation*. If the heaters are used for *indirect* heating, one should be secured at least 50 per cent. larger than for direct radiation, it depending upon the bulk of water to heat, the demands made upon the heater, cold air supply, how often change of air is required, and whether ventilation is heavy or light.

GURNEY HOT WATER HEATER COMPANY,

Discount 237 FRANKLIN STREET, BOSTON, MASS.

J. Henry McHugh,

Heating and Ventilating Engineer,

—WITH—

The William G. Fischer ^{Cooking & Heating}
_{Apparatus} Manufacturing Company,

Nos. 25 & 27 W. FIFTH STREET,

(Post Office Square.)

Cincinnati, O.

—TELEPHONE 546.—

47-M-64



Philadelphia.

S. E. Cor. Walnut & 10th Sts.

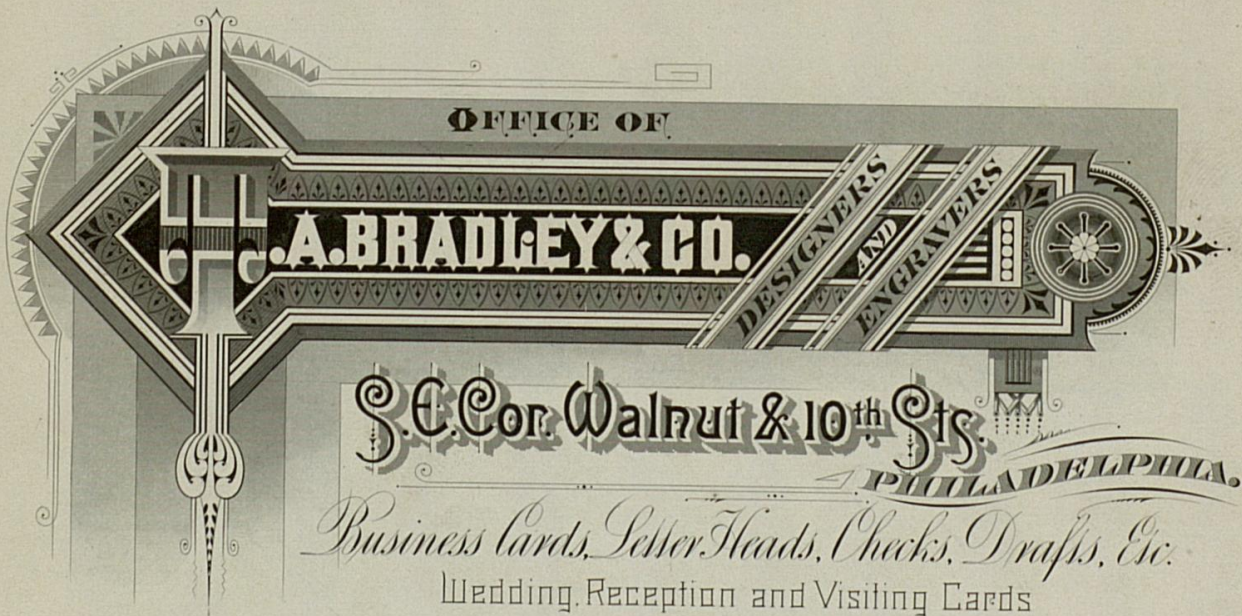
Having been identified with the
Bank Note Companies of New York, and
Dealers of Philadelphia, being practical men, com-
bining our energies we are enabled to execute
all styles of Art Engraving & Fine College
Invitations at a price and in a manner that
cannot fail of being satisfactory.

Trusting you may favor us with
ordering to furnish design and estimate for
your commencement. We are,

Most respectfully yours

J. M. Bradley & Co.

Receiver will oblige by kindly handing
enclosed circular and card to Committee of Class having
matter in charge.



OFFICE OF

C.A. BRADLEY & CO.

DESIGNERS
AND
ENGRAVERS

S.E. Cor. Walnut & 10th Sts.

PHILADELPHIA.

Business Cards, Letter Heads, Checks, Drafts, Etc.

Wedding, Reception and Visiting Cards

PLATE PRINTING.

Offices: American Surety Building, 100 Broadway, New York.

PAYMENTS on the different kinds of Shares are as follows:

On Five Year Installment, \$10 annually.

On Permanent Shares, \$100 each, cash.

Subject to the foregoing terms and in compliance therewith, I subscribe for

Stock

My full name is

State.

Dated,

34-5-12-95

HELP YOURSELF

AND OTHERS WILL HELP YOU

THE
**Mutual Realty & Loan
Corporation**

INCORPORATED UNDER THE LAWS OF THE STATE OF NEW YORK
AND UNDER THE SUPERVISION OF THE BANKING DEPARTMENT

EXTRACT FROM THE CHARTER

SEC. 3. The Corporation is formed "for the purpose of accumulating a fund for the purchase of real estate, the erection of buildings, or the making of other improvements on lands, or to pay off incumbrances thereon, or to aid its members in acquiring real estate, making improvements thereon, and removing incumbrances therefrom; and for the further purpose of accumulating a fund to be returned to its members, who do not obtain advances as above mentioned." *

* Laws of 1851, Chap. 122, Sec. 1.

GENERAL OFFICES:
**American Surety Building,
100 Broadway,
NEW YORK, N. Y.**

THE
**Mutual Realty & Loan
Corporation**

Is a Real Estate Syndicate

To buy and improve lands,
To provide homes at cost,
To furnish a real estate investment for small sums,
To loan money safely and profitably to home builders,

It Helps Members

To buy Real Estate for Homes,
To buy Real Estate for Investment,
To buy Real Estate for Speculation,
To build Homes by liberal loans on easy terms,
To secure an accumulating investment for small sums,
and an income-producing investment for larger ones.

DISTINCTIVE ADVANTAGES:

Purely Mutual

Each Member Has a Vote

No Forfeitures

Shares Transferable

Money Withdrawable at any Time

Individual Real Estate Security

Full Profits in Five Years.

Shares.

Par, or Maturity Value, \$100 each. Subscription price, \$50. Membership Fee, \$1.00 per Share.

The Stock of this company combines all the popular features and profits that are secured by Building Loan Shares, together with the added profits from Real Estate bought in large tracts and sold by lots.

The following kinds of shares are issued :

Installments.—Sold on fifty monthly payments of one dollar each. The profits are added to the installments until the sum equals the par value, which is then paid to the owner in cash.

These shares may be surrendered for withdrawal at any time, and the profits credited paid as follows : After one year, one-third ; after two years, one-half ; after three years, two-thirds ; after four years, three-quarters ; after five years, all profits.

Prepaid Cumulatives.—For cash, in one payment. Profits are cumulative on these, as on Installments, and payable in the same proportion on withdrawal.

Five Year Installments.—Sold on five annual payments of ten dollars each, reduced each year after the first by the deduction of six per cent. of the sum of all previous payments. Profits over the six per cent., cumulative, and payable at maturity. Withdrawal privileges at any time.

Prepaid Interest Bearing.—For one cash payment. Profits to the amount of 3 per cent. semi-annually, payable in cash. All profits additional are cumulative and payable at maturity.

Guaranteed Interest Bearing.—One payment, cash. Interest, $2\frac{1}{2}$ per cent., semi-annually, guaranteed, and the balance of profits, not to exceed a total of 9 per cent., cumulative, and payable at maturity.

Real Estate

for Homes, Investment or Speculation.

There are many men of moderate means seeking suitable homes, and many more desiring real estate for investment or speculation. The Mutual Realty & Loan Corporation realizes how each of these classes can benefit the other, and provides a common ground for their so doing.

It furnishes the hitherto lacking opportunity for people with small incomes to own New York real estate, on a plan by which plots may be bought on the payment of a few dollars per month, and it will assist members with liberal loans for building purposes.

The company has secured properties containing over 2,500 city lots, most of which is improved by good roads, sewers, water, gas and electricity.

The properties are divided into plots of various sizes according to the best methods of developing them and maps will be furnished to members, so that those who desire may select plots. The values of the different plots are determined by the cost of the property and of the improvements.

Owners of shares equal in par value to the price of any desired lots for sale by the company, may have the subscription price of the shares applied in payment thereon, receiving a deed of the property, and giving a mortgage for the balance. The amount transferred from shares to the land will be charged against and deducted from the maturity value of such shares; which will continue in force, and share in the profits of the company after six per cent. has been paid on all shares which have not had part of their maturity value used in the purchase of real estate.

Selection of Plots.—Members will be allowed to select plots as their subscriptions are received, and plots will be selected for subscribers who so desire, with the privilege of exchange for any other unsold plot, at any time within two months. The prices of all plots are graded according to their relative values, so that each plot may be equally desirable with all others.

Shareholders paying by installments, may have any unsold lot reserved by paying a premium of 25c. per month, per share, until their payments on shares are completed.

Increased Prices.—As the value of lots will increase by reason of improvements made, the price of the unsold plots will be correspondingly increased, hence the first subscribers will secure them at the lowest prices as well as have the first choice of plots.

Investment for Income or Accumulation.

The interest bearing and accumulating shares of the company furnish the safest and best form of investment ever offered for these purposes. Persons who wish either an accumulating or an income-producing investment, can have their money used safely and profitably in buying real estate, and in loans for building and other improvements; the funds received from members who buy shares for an income or for accumulation being used to buy lands, make improvements thereon, and build homes for other members.

The profits to this class of shares include the large interest from monthly payments made by home builders; also a share in the profits from Real Estate bought in large tracts and sold by lots.

It is Asked.—If it is so good an investment, why do not rich men buy all the shares of the company? Because they have exclusive real estate syndicates of their own, which are constantly buying, developing and selling real estate and dividing all the profits among themselves. Men of moderate means have no opportunity in the syndicates of rich men. They cannot alone do such a business as they can by combining, and this company furnishes the opportunity to combine their small capitals, and by so doing secure the same ratio of profit that rich men obtain by investing money shrewdly in large sums.

This company is a Real Estate Syndicate, in which all lot owners and home builders are sharers in the profits of the company. Through this company any person can buy, on the easiest payments, one or more lots for home building, for investment or for speculation, and also receive a share of the increased value of the adjoining properties until sold, coming from improvements made under the supervision of interested and experienced Real Estate managers.

Security Unexcelled.—The security to all shareowners is Real Estate, the best security known. Each Shareholder who chooses, may have the security in his own hands, by taking the deed for a lot or lots.

The greater profits to lot owners will come from the increased value of their own lots, although the profits of the company which are to be divided among the share-owners will probably be quite large also. The gain to the company will come from the increase in the selling value of the lots remaining unsold as improvements are made on the property, and from the premiums, and loans to builders.

Will It Pay?



The Waldwic, Belmont, and Shonnard properties, acquired by the MUTUAL REALTY AND LOAN CORPORATION, and described herein, represent values, estimated by the selling prices of adjoining lots, of over six hundred thousand dollars.

They cost the Company one-half that sum.

At their present lot values, these properties can be turned into cash soon enough to give a good margin of profit within, say, five years.

What has been done by the same management with the Park Hill properties during the past five years, proves this.

Fifty to one hundred thousand dollars spent in permanent improvements, and from two to three hundred thousand dollars in the erection of houses by purchasers of lots, will, inside of five years, increase the values of the properties to more than double the amount of their cost and improvements.

An opportunity is also furnished to loan money for home-building, on the best of security, and at six per cent. interest, the profits from which, combined with those from property sales, will bring up the average to a very large figure.

By the plan of this Company any investor may have all of the profits on his investment in cash, or may take an individual lot, with its prospective advance in value, for part of the profits, and, in addition, a share of the Company's profits in cash.

To read the following description of the properties now controlled by this Company will convince most persons that there is a large profit to the Company in handling them, and consequently that the shares of the Company are a good investment.

Shonnard Properties.

Palisade Avenue and Park Avenue.

Shonnard Place.

The Palisade Avenue and Park Avenue properties are in the northerly part, the most select residence portion of the City of Yonkers.

They are directly in the line of growth of the most fashionable quarter of the City, and are bordered upon two sides by some of its finest residences.

The Park Avenue line of electric cars, running along the easterly and northerly sides of the properties, renders them easy of access. They are immediately available, and most desirable for those who wish to build in an exceedingly desirable established neighborhood.

Prices range in the vicinity from \$1,000 to \$1,500, and upward, per city lot of 25 x 100.

The Company has about 150 lots, in plots of from three to eight city lots each.

Nepperhan and Woodland Avenues.

Edward Place.

Frederic Street.

Somerville Place.

Nepperhan Avenue is destined to be the principal business street and thoroughfare of Yonkers for that section of the City. It extends from the centre of the City northward up the Saw Mill River, or Nepperhan Valley. It is a level, macadamized road, with an electric car line, and is the natural central avenue to and from the hillsides which border it for ten miles or more. These hillsides offer the finest opportunities for homes for the large class of well-to-do mechanics.

This is undoubtedly excellent property for investment or for speculation, at our present prices of from \$350 to \$500 per city lot of 25 x 100 feet. There are nearly 500 lots for sale here.

Belmont.

Belmont is in Yonkers' Second Ward; the nearest railroad station, Dunwoodie, on the New York & Putnam R. R.

It lies near the New York City line, at Van Cortlandt Park, on Central Park Avenue, running north and south, the principal roadway between New York and White Plains, at its junction with Yonkers Avenue, the main thoroughfare east and west between Yonkers and Mount Vernon, from the centres of which cities the property is at an equal distance.

An electric road on Yonkers Avenue renders the property easily accessible from the Hudson River R. R. Station at Yonkers, the New York and Putnam R. R. stations at Getty Square and Dunwoodie, and the Harlem R. R. Mount Vernon station.

This land is particularly desirable for fine suburban homes. There are already many such upon this and the immediately adjoining properties. Purchasers who wish to build at once can obtain from the Company liberal loans for this purpose. Those securing lots now for future building, or to hold for an advance, will make no mistake. The present prices are half of what plots in this vicinity have brought during the past five years. And the improvements to be made here by this Company must largely increase the selling value in the next five years.

All of the streets about this property were graded previous to its purchase by the Company. Yonkers Avenue, upon which the property has a frontage of over 1,600 feet, was recently macadamized. Central Park Avenue, which extends through the property, and upon which it has a frontage 2,500 feet, was graded all the way from New York City to White Plains during the Tweed regime. It is 100 feet wide, and is the only nearly level avenue running northward on high ground from New York City through Westchester County.

The elevation of the property is 300 feet on the average, and the land nearly level.

The many substantial homes, and the improvements in this vicinity, are shown by our illustrated pamphlet, "Belmont."

This vicinity has already been the scene of several small moves toward building up, and the time is ripe for an effort to bring it to more general notice. It is certain to have a great advance in prices in the immediate future, and will be the place of the next decided development in Yonkers.

The **Mutual Realty and Loan Corporation** has 400 lots of this property, which are now offered at \$300 to \$500 per lot of 25 x 100 feet. These prices will be advanced on January 1, 1896, and are subject to advance without notice. Maps and price lists on application, by mail or otherwise.

Waldwic Wood.

This is low-priced suburban property, near Ridgewood, N. J., on the Erie Railway. Lots of 25 x 100 feet sell now at \$100 to \$150, and are especially suitable for the following purposes:

First.—Homes for skilled railroad employes, mechanics, and the like. There is now, near the station, a large cluster of houses of this character.

Second.—Summer homes for city people who wish inexpensive places where they may live four to six months in the year. Here apartment dwellers of the great city may buy lots cheap, and on property continually increasing in value, build moderate priced houses in which their vacations, and less than the usual amount of money, may be spent.

Third.—Suburban dwellings for city business men. The Saddle River Valley Road has already numerous residences of this sort, and the Company's frontage on this portion of the road is the best portion of that property.

This land is now all low in price, and consequently offers inducements for investments for either of the purposes mentioned, or for holding, as a speculation, for the rise in values which always accompanies property improvements. 1500 lots are for sale here.

An illustrated pamphlet of Waldwic Wood, with map and price list of lots, will be mailed, free, upon application.

47-M-64

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On the Northern R. R.

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Romantic and Delightful

The Empire State

Land of the Free!

Discovered by Columbus

Find the Spot!

Find the Spot!

47-M-64

In

North America

In the

United States

In the

State of New York

In the

County of Westchester

In the

City of Yonkers

Near

Dunwoodie Station

Is

BELMONT

The place for a Home

For Investment

For Speculation

AND THE

Mutual Realty & Loan Co.

100 Broadway, New York, will loan
you the money to build there.

GASOLENE FOR GAS MACHINES

 **OUR "PURE SPIRITS"** IS THE BEST.
IS ALWAYS RELIABLE

WE SELL IN ANY QUANTITY DELIVERED F. O. B. IN
SPRINGFIELD, NEW YORK OR BOSTON, AT LOWEST
MARKET RATES. - - - - - -

GASOLENE FOR VAPOR COOKING STOVES, BOULE-
VARD FLUID FOR STREET LAMPS, GASOLENE FOR
PLUMBERS' USE, REFINED WITH ESPECIAL CARE SO
THAT IT WILL NOT OBSTRUCT THE BURNERS, MAKING
IT THE MOST RELIABLE FLUID THAT CAN BE OBTAINED.

DEODORIZED NAPHTHA FOR CLEANSING KID GLOVES
SILK GOODS AND FABRICS OF ALL KINDS, IS PER-
FECTLY FREE FROM OIL, AND WILL NOT SOIL THE
FINEST ARTICLES; IS FATAL TO MOTHS, CARPET BUGS
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FOR SALE IN ANY QUANTITY.

GILBERT & BARKER MFG. CO.,

193 LYMAN STREET,

SPRINGFIELD, = MASS.

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CHAS. L. MONSCH,

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*European
Steamship
Agency.*

FOREIGN EXCHANGE

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S. W. Cor. Third and Main Streets,
LOUISVILLE, KY.

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S. W. Cor. Third and Main Streets,
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Transportation Department.

Having perfected arrangement with the most prominent European Steamship Lines to represent their interests in this section, I am consequently prepared to ticket passengers to and from any part of

EUROPE

Including Railroad and STEAMSHIP fares on both Continents, in fact

PASSENGERS

Can be booked at Through Rates to and from any

SEAPORT

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WORLD

Any one having friends or relatives abroad whom they desire to bring to the United States can purchase tickets directly from me, reading from any part of Europe to any part of the United States, and can send such tickets directly to them, thus avoiding the risks of the passengers coming in contact with unreliable agents abroad, mistakes, and the trouble of sending the money.

I beg to call attention to the unequalled facilities which our

FOREIGN FREIGHT and PARCEL EXPRESS

offers for forwarding packages and goods to all parts of the world.

Having reliable agents in all the principal seaports and inland cities of Europe as well as other Continents, am thus able to deliver all shipments with the greatest promptness and dispatch. Agents also attend to passing parcels or larger shipments through the foreign Custom Houses, so that duties and fees may be prepaid here and packages delivered free of all charges.

Maps, Time Tables, Rates, Sailing Dates, Cabin Plans, Descriptive Pamphlets, and all information pertaining to European travel at my command will be furnished Free of Charge.

PASSPORTS SUPPLIED WITHOUT DELAY.

Keep this, you may want it some day for reference.

Cable Address "MONSCH" Louisville, Ky.

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As a most convenient means for the transmission of large as well as small amounts, and especially for remittances to places where there is no bank, we recommend our foreign money-order system, which enables us to have the exact amount delivered free of charge into the very residence of the recipient, in the largest city as well as in the smallest hamlet, through the carrier of the nearest P. O. Money-order Bureau. We make these payments not only to all parts of Europe, but also in *Asia* to Beyrouth, Smyrna, to all parts of India, Burmah; and the Dutch Colonies; Yokahama and Tokio; in *Africa* to Egypt, Tunis, Tripoli, and the Cape of Good Hope; in *Australia* to New South Wales, Queensland, South Australia, Victoria, West Australia; Vandiemensland and New Zealand; in the *West Indies* to St. Thomas, St. Croix, St. Jean, and Barbados.

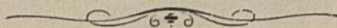
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Keep this, you may want it some day for reference.

Cable Address "MONSCH" Louisville, Ky.



AT COST.



To close out our partnership, we have thrown on the market our entire stock of

WILTONS, MOQUETTES, VELVETS,

Brussels, Tapestries, Ingrains Two and Three Ply,

—:A LARGE STOCK OF:—

OIL CLOTHS and MATTINGS.

Our Lace Curtain Parlor was lately supplied with a fall importation of

Amboise, Applique and Nottingham

LACE CURTAINS.

These goods will be sold at cost, which places them at lower prices than offered in Lexington, EITHER BEFORE OR SINCE THE WAR.

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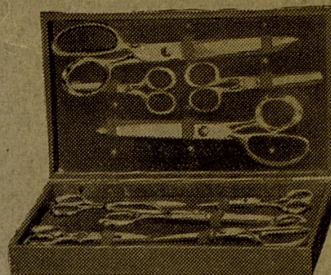




All Goods Sold Through
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Agents Wanted in all parts
of the World.

The United Cutlery Co., WORCESTER, MASS.



Sample Case of United Cutlery Co.

We take pleasure in presenting the following testimonial letters (which are but a few of the hundreds on hand) for your careful consideration.

To Whom It May Concern:—

The United Cutlery Co., of Worcester, are perfectly honorable gentlemen and their shears are just what they say they are. They give perfect satisfaction, and as one of their agents can say, "They are all right and my customers are all pleased with their goods."

Yours truly,
MRS. MARCUS ADAMS,
Middletown Spa., Vt.

North Scituate, R. I.

The United Cutlery Co.:

Dear Sirs:—The case arrived all O. K. They are the best shears I ever saw. It is surprising the way they cut silk and wet tissue paper.

Please send enclosed order at once. Another order started.

A. A. REYNOLDS.

Amsterdam, N. Y.

United Cutlery Co.:

Gentlemen:—The goods arrived in good order and have collected pay for same.

Every one was well pleased with shears and you have a good article.

EUGENE L. KENNEDY.

So. Woodbury, Vt.

The United Cutlery Co.:

Messrs.:—Your favor to Dwight at hand, and will forward to him. I like your dealing with him thus far. Glad to see you take so much pains to be kind and fair with him.

You do make a remarkable shear. The edge will hold good beyond any I ever knew of before. My son found an old pair, had been used two years, and had seen hard usage, too. Both points were broken off; the rivets were loose, but I have tightened them. Have not tried to sharpen them, indeed they need no sharpening, will cut tissue paper or almost anything else yet. I hold them as a relic of the age of wonders. Almost the only tool I ever saw that needs no sharpening.

Success to the United Cutlery Co.

REV. C. H. COOLEIDGE.

Highland Falls, N. Y.

My Dear Sir:—Yours of the 14th with the shears came to hand with thanks.

The shears are certainly fine and I prize them very highly.

Sincerely yours,

REV. FRED'K WHITNEY.

S. G. ADAMS & SON,
Dealers in Groceries and Provisions,
Fresh and Salt Meats, Flour
and Grain.

Middletown Spa., Vt.

To Whom It May Concern:—

This is to certify that I have dealt with the United Cutlery Co. quite extensively and have found them honest in every respect. Have used and sold their shears for some time and they give excellent satisfaction.

M. S. ADAMS,
Middletown Spa., Vt.

P. S.—Everyone I have sold your shears to say they are the best shears they ever used. They are simply perfect. They all say, "Just what we need in good shears, and we are so glad you have the agency for we can get them any time."

To Whom It May Concern:—

I have and am at the present time canvassing for the United Cutlery Co., on their ball bearing shear, and I find that the shear gives the best of satisfaction, and is all it is warranted to be in every way, also that the said U. C. Co. has done by me exactly as their circular letters promised to do and I consider them perfectly honest in their dealings with all representatives.

(Signed) W. A. BRAGG,
Justice of the Peace,
Errol, N. H.

The United Cutlery Co.:

Dear Sirs:—Enclosed find check for \$5.05 for which please send receipt, also enclosed order.

The shears are all right and give good satisfaction.

Yours respectfully,

C. S. GALE & CO.,
Hardware Dealers.

Concord, N. H.

Middlebury, Vt., Oct. 1, '04.

United Cutlery Co.,

Worcester, Mass.:

Dear Sirs:—Enclosed you will find a list of goods I wish to order. The greater part of them are already engaged—the result of not two full days' work.

The shears could not give better or more general satisfaction. (This order was for \$35.05 worth of sales.)

VERNER J. WARNER.

Locke, Cayuga Co., N. Y.

To the Manager of United Cutlery Co.:

Dear Sir:—Yours of the 29th at hand; also the shears.

After first putting them to a thorough test: first cutting tin and then cut a pin square off, and then cut wet tissue paper and fine silk just as clear as a razor.

Two out of the first three ladies ordered a pair in less than ten minutes' work.

I am Pastor of two little churches and make preaching of the gospel "my business," and only take up some other line as a means of helping out on expenses.

Respectfully yours,
REV. CHAS. W. BOOTH,
Pastor Baptist Church,
Locke, N. Y.

Jan. 6, 1904.

The United Cutlery Co.:

Gentlemen:—I take pleasure in adding my testimony as to your straightforward dealings. Orders are always forwarded promptly, published guarantee fulfilled to the letter and a spirit of fairness and liberality displayed at all times. Your shears give general satisfaction and I have met with fine success in canvassing for them. Wishing you a prosperous year, I remain,

Cordially yours,
M. F. JEFFERS,
88 High St., Pawtucket, R. I.

Snow Hill, Md.

United Cutlery Co.:

Sirs:—Please send my order at once, as my customers cannot do without the shears. They are all they are represented to be.

Yours for business,
WM. P. DEVEREAUX.

To the United Cutlery Co.:

Dear Sirs:—I received your sample case the 13th and I am much pleased with it.

Have had some experience as an agent, but like this better than anything I have tried yet. Went out yesterday for the first time and received \$7.00 worth of orders. I think that was quite good for the first day.

I will send in an order in about 10 days for I want to get a large one.

Yours very truly,
MRS. LEVI THOMPSON,
Clarkson, N. Y.

KENTUCKY NEWSPAPERS.

What They Say of the Lexington Transcript.

We present extracts from Kentucky Newspapers concerning the Lexington TRANSCRIPT. They comprise about one-half the favorable comments that have been made concerning the paper. They are wholly unsolicited, and are unbiased expressions from our esteemed contemporaries who take their own method of noting their approval and admiration of this as a valuable and well conducted newspaper. We cordially thank them all, and take the liberty of producing what they say as follows:

The Lexington TRANSCRIPT, under its new management, is fast becoming the leading newspaper of the State. The daily is a seven column folio, beautifully printed, and contains more news to a single issue than the average weekly paper. Its editorials are brief, pungent and to the point, and do much credit to the judgment, taste and witicism of its sprightly editor. The weekly edition of the TRANSCRIPT is a seven-column quarto—twice the size of the daily—and is worthy to be called one of the best weekly newspapers in the State to-day.—*Winchester Sun*.

The Lexington Daily TRANSCRIPT has passed into the hands of Mr. D. E. Caldwell, late of the of the Atlanta press, and, dressed up in a suit of new and handsome types, with associated press dispatches, decidedly improved in make-up, and with Anderson Quisenberry (one of the most graceful and piquant writers in the State) on its editorial staff, the TRANSCRIPT is the best and ablest daily ever published in the metropolis of the Bluegrass Nation.—*Breckinridge News*.

We have always wondered why Lexington could not sustain a No. 1 paper. The TRANSCRIPT was well conducted and ably edited under the control of the Johnstons. It was a very creditable paper. Recently it has passed under the ownership and editorial control of Mr. Caldwell, lately of Atlanta, and it is now a most excellent daily. The *Banner* offers its best wishes to Mr. Caldwell, and bids him welcome to his new home and new field of journalistic labor.—*Princeton Banner*.

The Lexington Daily TRANSCRIPT has been enlarged to seven columns, and appears in a new outfit. Major Caldwell, the new proprietor, seems to be a gentleman of progressive ideas, and he intends to meet the demands of the public in his management of the TRANSCRIPT.—*Midway Clipper*.

Maj. D. E. Caldwell, late of Atlanta, Ga., recently purchased the Lexington Daily TRANSCRIPT printing establishment and is making the TRANSCRIPT one of the liveliest and spiciest papers in the West. It is a welcome visitor to our exchange table.—*Clinton Democrat*.

The Lexington TRANSCRIPT is a credit to the city of the Bluegrass, under the management of Major Caldwell. Enlarged, printed from new type, and above all, intelligently and fearlessly edited, it ought to prove a decided financial success.—*Flemingsburg Times*.

The Daily Lexington TRANSCRIPT was enlarged last week and came out in a new dress. The TRANSCRIPT has long been the leading paper in Lexington, and in its new form it is better than ever. Long may it wave.—*Winchester Sun*.

The Lexington TRANSCRIPT has recently come into new hands, who certainly understand newspaper work. They are improving it with each issue. The TRANSCRIPT should be the pride of Lexington.—*Elizabethtown News*.

Our Lexington exchanges are taking a boom. The

TRANSCRIPT now comes to us enlarged, in a new dress and as handsome as a three-year old. We are glad to note these evidences of prosperity.—*Maysville Republican*.

The Lexington TRANSCRIPT improves with each issue, and if the Lexington people fail to foster and patronize the enterprise liberally, they do not know a good thing when they have it.—*Stanford Interior Journal*.

The Lexington Daily TRANSCRIPT has been enlarged, and is printed on new type. It has been considerably improved under the new management and we wish it abundant success.—*Georgetown Times*.

The Lexington TRANSCRIPT is one of our most valuable exchanges. It is always bright and newsy and should receive a large patronage from the people of Fayette and adjoining counties.—*Bracken Chronicle*.

The Lexington TRANSCRIPT enlarged to a seven column and printed with pretty new type, is the largest and most creditable daily ever published in that city of newspapers.—*Stanford Interior Journal*.

The Lexington TRANSCRIPT has been enlarged and given a pretty new dress. You see she's getting ready to receipt the Kentucky Press Association there.—*Newport State Journal*.

The Lexington TRANSCRIPT has been enlarged and in other respects improved. The TRANSCRIPT is a good newspaper and deserves liberal support.—*Covington Commonwealth*.

The Lexington Daily TRANSCRIPT has a new dress, is enlarged, and is a live paper. The Lexington TRANSCRIPT is better gotten up than ever.—*Eminence Constitutionalist*.

The Lexington TRANSCRIPT comes to us in a new dress, enlarged and greatly improved under the management of the new proprietor, Mr. D.E. Caldwell.—*Woodford Sun*.

The Weekly Lexington TRANSCRIPT is a wide-awake, eight-paged, newsy paper, and well merits the patronage of every man in Kentucky.—*Pikeville Enterprise*.

The Lexington TRANSCRIPT is one of the brightest dailies in the State. Like old whisky, the older it gets the better it is.—*Elizabethtown News*.

The Lexington TRANSCRIPT appeared in an enlarged form on Saturday. It is as handsome as a girl graduate.—*Frankfort Yeoman*.

The Lexington TRANSCRIPT has a new dress and has been enlarged. We are glad to note its prosperity.—*Courier-Journal*.

TERMS OF SUBSCRIPTION.

DAILY—One copy one year, \$6.00; one copy six months, \$3.00; one copy one week, fifteen cents.

WEEKLY—One copy one year, \$2.00 and pro rata for portion of the year. A splendid premium given to every yearly subscriber. Send for circular. Address TRANSCRIPT, corner Upper and Church Sts., Lexington, Ky.

47-M-64

LEXINGTON TRANSCRIPT

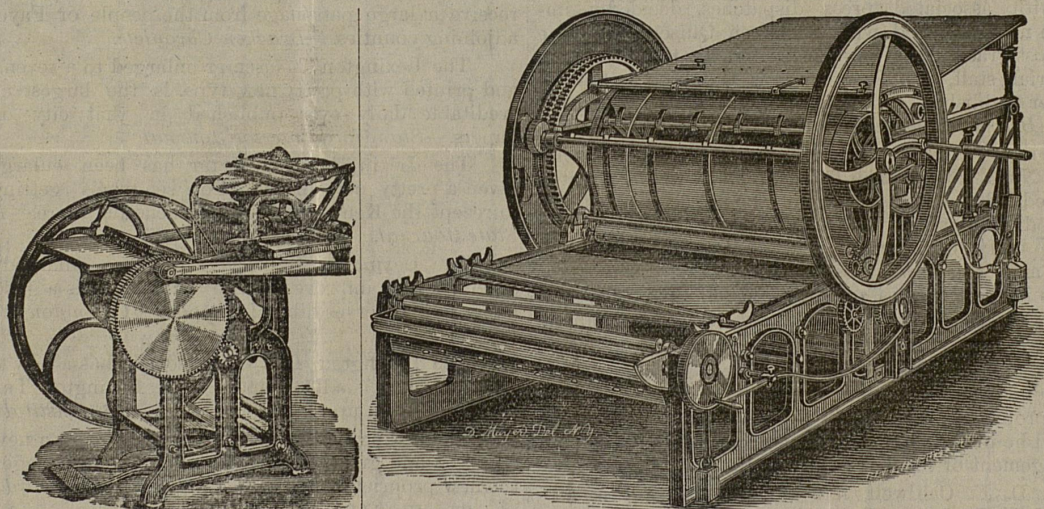
DAILY AND WEEKLY.

THE Daily TRANSCRIPT is the largest daily in Kentucky outside of Louisville. It is pronounced, by press and people, the best newspaper in the Blue Grass region. It is eminently a Central Kentucky paper, and receives a much larger patronage than any of its contemporaries. The Weekly Transcript is the largest weekly paper in the State. It is filled with the choicest reading matter, and is universally admired as A No. 1 newspaper.

Terms of the Daily \$6.00 per year, or pro rata of that amount for portions of a year. The Weekly is \$1.00 a year; postage prepaid to any part of the United States.

THE TRANSCRIPT

STEAM-JOB-PRINTING-OFFICE



Is the most complete of any in Kentucky. It is supplied with three steam presses, two of them being the most perfect and the fastest running job presses made. We are prepared to do, on short notice, the finest quality of Printing to be had anywhere, and at prices in direct competition with any establishment in the large cities. We are prepared to print

Books, Catalogues, Blanks, Posters, Dodgers,

Programmes, Cards, Visiting Cards, Envelopes, Blanks, etc., etc.

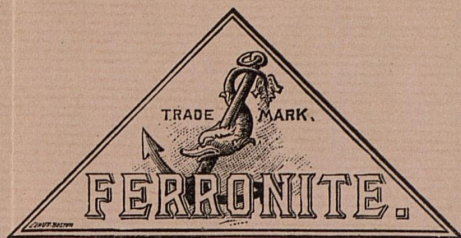
Either in colors or plain. In fact, we do anything from a label to a book, or poster large enough to cover the side of a house. Estimates furnished on application.

 Hamilton College Monthly is printed at this office. Address

D. E. CALDWELL, Proprietor.

Corner of Upper and Church streets, Lexington, Ky.

FERRONITE



PAINT.

The new paint pigment called Ferronite is finely powdered magnetic black oxide of iron, the highest chemical combination of iron and oxygen found in nature, and is absolutely non-corrosive, being chemically similar to the rustless coating produced on iron by the Bower-Barff process, and also the coating on Russia Sheet-iron. It is the purest metallic paint made. Besides its non-corrosive property, it possesses all the valuable qualities requisite to make it a desirable base for paint, and when combined with linseed oil forms a composition which is unequalled for use on all iron or wooden structures. It is non-absorbent and consequently makes a perfectly waterproof and moisture-proof paint, giving perfect protection to the surface on which it is applied. By mixture with other pigments it produces an unlimited number of colors and shades—desirable for **Cottages** and all **Buildings, Bridges** and iron work generally, **Roofs, Cars, Wagons, Machinery**, etc.

When applied to iron, sheet tin or other metallic surfaces, it forms a non-corrosive covering, which protects the surface from oxidation. The covering capacity of the Ferronite paint is so great that for a given amount of surface it costs no more to use this than to apply the so-called "metallic" paints which are only clay or dirt mixed with *red* oxide of iron, or in other words, iron rust.

Pure Ferronite Black is the only black that is unaffected by the elements, by salt water, heat, weak acids or alkalies, and is the only **black** pigment known which has the requisite body to make it desirable for paint, all other blacks being derived from carbon.

For **Vessels, Ordnance, Railings, Machinery** and any iron work where black is to be used, Ferronite is not only the best but the most economical paint in the market.

Ferronite Smoke-stack Black for all surfaces subjected to heat, such as Locomotive and Steamboat stacks, fire boxes, boilers, etc. It dries with a fine gloss and will last much longer than any other preparation.

Ferronite Roof or Car Paints for all iron or wooden structures are the most durable and economical in the market.

Ferronite Bronze Greens, all shades, are the most permanent and the best for iron railings.

Also the well-known **Ulesote Paint**, for **Cottages** and **General Use**.

For samples, prices and further information apply to

JOHN S. LEVIS,

163 MAIDEN LANE,

NEW YORK.

COMPLETE LIST

Of the Names, Politics and Addresses of the
Next General Assembly.

HOUSE OF REPRESENTATIVES.

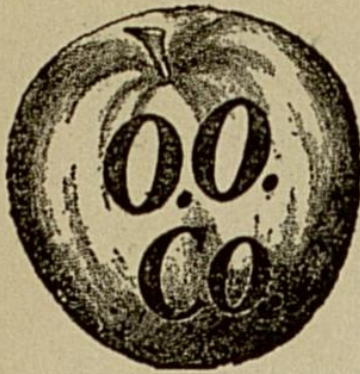
Adair—Dr. Ed. Nell, Columbia.
Allen—G. W. Samuel, M. D., Half Way.
Anderson—John H. Train, Lawrenceburg.
Ballard—T. T. Gardner, Bardwell.
Barren—Harry C. Gorin, Glasgow.
Bath and Rowan—J. J. Nesbitt, Owingsville.
Bourne—Rouben Gosner, Richwood.
Bourbon—Charles Offutt, Paris.
Boyd and Lawrence—H. H. Gambill, Blaine.
Boyle—D. C. May, Alicetown.
Bracken—A. J. Bradford, Bradford.
Breckinridge—Charles Blanford, Hardinsburg.
Bullitt and Spencer—F. P. Straus, Shepherdsville.
Butler and Edmonson—W. C. Webb, Brownsville.
Caldwell—Jacob E. Crider, Fredonia.
Calloway—B. O. Keys, Murray.
Campbell—Jno. A. Shaw, Alexandria; John P. Newman, Dayton.
Carroll—Thomas J. McElrath, Carrollton.
Carter and Elliott—Samuel L. Bays, Grayson.
Casey and Russell—J. Boyle Stone, Liberty.
Christian—James Brendholt, Hopkinsville.
Clark—James F. Winn, Winchester.
Clay, Jackson and Owsley—Hiram L. Jones, Manchester.
Crittenden and Livingston—Samuel O. Nunn, Weston.
Cumberland and Clinton—L. T. Bow, Burkesville.
Davies (two Districts)—R. H. Taylor, Williamstown; Owensboro.
Fayette—Hart Bowell, Lexington.
Kestell and Lee—Henry B. Wiseman, Irvine.
City of Lexington—James H. Mulligan.
Fleming—Jas. W. Crain, Hillsboro.
Floyd and Johnson—J. W. Mayo, Prestonsburg.
Franklin—S. I. M. Major, Frankfort.
Fulton and Hickman—J. F. Kennick, Clinton.
Gallatin—D. B. Allen, M. D., Napoleon.
Garrard—William A. Anderson, Paint Lick.
Grant—W. W. Dickerson, Williamstown.
Graves—Bernard A. Neale, Mayfield.
Grayson—William A. Wallace, Spring Lick.
Green and Taylor—Daniel M. Williams, Summersville.
Greenup—W. J. Worthington, Greenup.
Hancock—Geo. Smith, Lewisport.
Hardin—J. B. Hayden, Cecilian.
Harrison—Adam Renaker, Cynthiana.
Hart—Jno. W. Rowlett, Rowlett's Station.
Henderson—Thos. L. Watson, Zion.
Henry—William P. Thorne, Eminence.
Hopkins—J. H. Lawford, Madisonville.
Jefferson—Joshua F. Bullitt, Jr., Louisville.
City of Louisville:
First District—John M. Letterlie.
Second District—Phil B. Gernert, Jr.
Third District—Jacob Baritz.
Fourth District—Richard A. Jones.
Fifth District—Joseph B. Reed.
Sixth District—M. H. Scott.
Seventh District—William L. Jackson, Jr.
Jennings—Thomas A. Davis, Nicholasville.
Kenton—Wes. B. Wilson, Independence.
City of Covington:
First District—Harvey Myers.
Second District—Theodore C. Wolking.
Knox and Whitley—W. C. Ewe, Jellico.
Large—Richard W. Creal, Buffalo.
Laurel and Rockcastle—W. R. Ramsey, London.
Leslie, Bell, Harlan and Perry—Wright Kelly, Harlan U. H.
Lewis—William Bowman, Tollsboro.
Lincoln—Fountain Fox Bobbitt, Crab Orchard.
Logan—George T. Hakey, M. D., Auburn.
Madison—W. T. Tevis, Richmond.
Mago—Morgan and Breathitt, Farish Arnett, Salyersville.
Marion—R. N. Wathen, Lebanon.
Marshall and Lyon—Wm. Reed, Denton.
Mason—A. P. Gooding, Mayasick.
McCracken—Thomas E. Moss, Paducah.
McLean—A. R. Shacklett, Island.
Meade—Oss W. Richardson, Hill Grove.
Mercer—Philip B. Thompson, Sr., Harrodsburg.
Metcalfe and Monroe—Wm. M. Bygg, Summer Shade.
Montgomery, Menifee, Powell and Wolfe—Drury S. Godsey, Hazel Green.
Muhlenburg—R. Y. Thomas, Jr., Central city.
Nelson—Ben. Johnson, Bardstown.
Nicholas and Robertson—L. F. Mann, Carlisle.
Ohio—Jesse S. Williams, Beaver Dam.
Oldham and Trimble—Thomas A. Harris, Pewee Valley.
Owen—W. J. Watson, Harmony.
Pendleton—Ira F. Sharon, Falmouth.
Pike, Letcher, Martin and Knott—P. A. Cline, Pikeville.
Pulaski—James Denton, Somerset.
Scott—Wm. C. Owens, Georgetown.
Shelby—George K. Robinson, Shelbyville.
Simpson—J. M. Dawson, Jr., Franklin.
Todd—G. Terry, Elkton.
Trigg—W. C. Haydon, Cadiz.
Union—Ignatius A. Spalding, Morgantown.
Warren (two Districts)—William Meredith, Bristol; William T. Cox, Bowling Green.
Washington—John B. Litsey, Mackville.
Wayne—J. H. Skemer, Monticello.
Webster—A. J. Morehead, Tilden.
Woodford—David L. Thornton, Versailles.

SENATE.

First District—Robert T. Albritton, Mayfield.
Seventh District—R. S. Triplett, Owensboro.
Eighth District—S. E. Hill, Hartford.
Tenth District—Dr. A. R. Dyers, Spring Lick.
Twelfth District—H. T. Kendall, Brandenburg.
Thirteenth District—D. H. Smith, Hopkinsville.
Fourteenth District—G. G. Gillett, Paducah.
Fifteenth District—Thomas S. Grundy, Springfield.
Sixteenth District—W. F. Neat, Columbia.
Eighteenth District—Ferdinand D. Rigney, Liberty.
Twentieth District—Lewis W. McKee, Lawrenceburg.
Twenty-first District—Wm. M. Cravens, New Castle.
Twenty-third District—J. H. McDowell, Warsaw.
Twenty-fourth District—Jas. W. Bryan, Covington.
Twenty-fifth District—Albert S. Berry, Newport.
Twenty-sixth District—J. T. Simon, Falmouth.
Twenty-seventh District—Mitchell C. Alford, Lexington.
Twenty-eighth District—Cassius M. Clay, Jr., Paris.
Twenty-ninth District—John D. Harris, Richmond.
Thirty-first District—E. Leslie Worthington, Mayasick.
Thirty-second District—F. T. D. Wallace, Louisa.

SENATORS HOLDING OVER.

Second District—J. W. Ogilvie, Paducah.
Third District—E. A. Burnett, Cadiz.
Fourth District—F. M. Clement, Marion.
Fifth District—Henry Dixon, Henderson.
Sixth District—John Feland, Hopkinsville, Ky.
Ninth District—W. W. Bush, Franklin.
Eleventh District—Robert Walker, Scottville.
Seventeenth District—J. H. Wilson, Barbourville.
Nineteenth District—S. H. Boles, Glasgow.
Twenty-second District—E. R. Sparks, Nicholasville.
Thirtieth District—L. M. Martin, Cynthiana.
Thirty-third District—W. J. Cavdill, Manchester.
Thirty-fourth District—W. H. Taulbee, Hazel Green.
Thirty-fifth District—J. N. Price, Cowan.
Thirty-sixth District—W. H. Frederick, Beuchel.
Thirty-seventh District—R. G. Hays, Louisville.
Thirty-eighth District—J. E. W. Smith, Louisville.
Republicans in Jail



Ozark Orchard Co.

1902.

Orchards at
Goodman and Lanagan, Mo.,
and Gentry, Ark.

Ozark Peaches Good to Eat.

The best peaches in the world. We shall have the largest and finest crop of them this year we have ever grown. Having some 15,000 trees in bearing, we shall be able to supply them in car loads or by express during the whole of the season, beginning about August 1st and closing about October 1st. Varieties will run in succession about as follows: Mt. Rose, Ey Crawford, Family Favorite, Foster Champion, Elberta, Old Mixon Smock, Mrs. Brett, Picketts, Salway. We can therefore supply you with fine peaches, fresh from the orchards, every day, during the season, either in car lots or by express. We will sell them on board cars at the orchards to one good dealer in each town, and shall be glad to correspond with you if you want good peaches, knowing we can supply your wants all through the peach season.

We pick, grade, handle and pack them in our usual careful manner in

No. 1 No. 2

4-Basket Crates, at...\$.....\$.....

$\frac{1}{3}$ -Bushel Boxes, at..\$.....\$.....

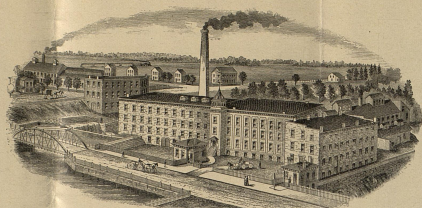
and feel sure they will please you well. The shortage of the crop even in many peach districts, and the failure of the crop all through central Missouri and Kansas, and north of us, will surely make a good demand for all peaches that are grown in the Ozark region, because they are **good to eat**.

If you want the best the market affords, write us at Kansas City, Mo., 7th and Wyandotte; but during peach season address us at Goodman, Mo.

L. A. GOODMAN,

GEN. MGR. O. O. CO.

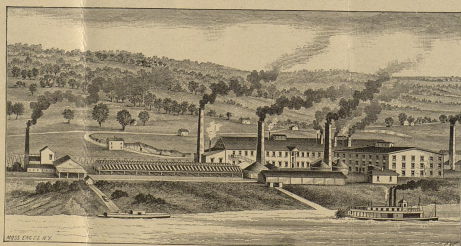
THE MOSS ENGRAVING CO.



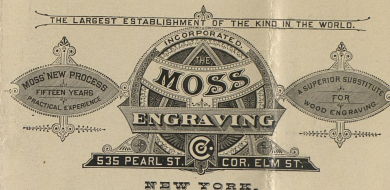
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BUILDINGS.

THE SPECIMENS OF BUILDINGS presented in this circular, will convey a fair idea of the quality of engraving produced by us. It will be noticed that the grade of work is fully equal to the better class of wood-cuts, the lines similar work, such as landscapes, residences, and on large orders, where economy is a consideration, make them to quality, size, etc. Binding estimates can be given only when the copies are before us.

Engraved Relief Plates. by our new process, are on hard metal, like the usual stereotype plate. These plates are produced by a photo-chemical process, and are fully equal to hand work—with this advantage, however, in their favor, that they can render quite perfectly either the effect of a wood engraving, steel engraving, crayon drawing or lithograph.

Copies.—Photographs may be made any size, provided the outlines are all well expressed—in portraits especially, those of the eyes and mouth; the size in our camera. A three-quarter view, or one showing the angle of the nose, will usually produce a more striking likeness than a direct front. Photographs from oil paintings are not so satisfactory as those taken from life; they can be used, however, when no other copy can be obtained. Ambrotypes, Ferrotypes and Engravings of all kinds, can be used. Good pencil sketches of machinery and other objects can be put in proper shape by our artists, if the details sent fully explain the workings of the several parts. Verbal or written description in all we require in making designs for Headings, Cards, Cover Pages, etc., though it is sometimes desirable to have a rough draft on paper, of our customer's ideas.

Wood-cut prints, and most Steel-engraved and Lithographic prints can be reproduced direct, with great fidelity, at a small cost compared to the price of the original engraving.

Prints from woodcuts may be reduced as much as one-third from their linear dimensions if necessary, while close-lined steel engravings may sometimes be enlarged slightly, to advantage, as the press printing, but, in most cases, minor defects, scarcely perceptible in the original, become emphasized, and are made too apparent in the copy. Generally it is safer to select the coarser kinds of work and have them reduced, as the tendency in reduction is to obscure the likenesses and bring the coarser drawn lines of an ordinary woodcut to something of the fineness and delicacy of a steel-engraving. Any print, however, may be sent us as copy, and when it will not admit of successful reproduction, it may be re-done by our artists, to suit any size required.

When copy is to be either reduced or enlarged, the relative proportions are preserved. Accordingly, if either of the dimensions, height or width, be given, the other will be unduly regulated by the Camera.

Electrotypes.—The engravings we deliver are made of type metal, and if carefully treated, will print from 50,000 to 60,000 good impressions without showing much wear. As many as 25,000 clear impressions have been made from type metal plates, but this year is exceptional; the conditions of good paper, good ink and care in printing, not always being at command. For this reason we suggest the use of electrotypes. These are copper-faced duplicates, comparatively inexpensive, taken from the original engraving—being equal to it in every respect, and capable of standing 50,000 to 100,000 good impressions, and for newspaper or rapid printing advance to cover the cost of wood bases only, unless otherwise agreed upon. The electrotypes should be made before the original is used, otherwise it will show whatever wear the original has been subjected to. No original engraving. We would also mention that we keep no moulds from which electrotypes can be made, after the engraving has been delivered. Original engravings, left with us for convenience in filling future value, should they be destroyed by fire or any unavoidable accident.

We have a complete Steam Electrotyping Department, and can furnish the best of work in this line at reasonable prices. Twenty-four hours are needed for making electrotypes in addition to time used in preparing cuts.

Proofs (duplicates or photos) will be furnished, when requested, of drawings made by our own artists, which will enable the customer to make any necessary suggestions or corrections before the drawing goes to the engravers. When finished, a good proof is taken, and this may serve as some criterion of the work to be expected from the process.

Time.—Although it is possible for us to turn out in a few hours a finished plate, yet, from the great variety of work constantly on hand, we cannot usually guarantee to fill an order for a single plate, from suitable pen-drawing or print, in less time than three to six days, and, if the subject has to be redrawn, from a sketch, to ten days, with an occasional increase of time for larger orders.

Prices. of course, depend upon various considerations, and the size is not always the controlling factor in the estimate. A small vignette may demand more skill and thought, and consume more time and labor, than another design ten times its size. Much depends on the quality of the work and the amount of detail in photograph. We therefore find it impossible to furnish any general scale of prices. Any scale of this kind would be subject to constant revision, and would be less satisfactory than a special estimate from copy. To publishers ordering reproductions from prints or drawings, in regular quantities and of an even character, we can furnish a general rate for their guidance, subject to such changes as the character of the copy may require.

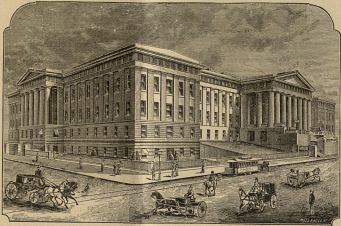
Estimates will be given by us promptly on application. To render these exact and satisfactory, it is necessary to furnish us with a copy of the drawing, sketch, print or photograph, and full information as to the size and general style of the work required; have it to be printed; if for newspaper, circular, card or letter head, etc., particular care being necessary in all minor details.

Fine Relief Plate Printing.—We have ample facilities for doing presswork in a superior manner, and at moderate prices. Our presses have been fitted up to give the most perfect distribution of the strongest inks, which enables us to print many plates that are so fine that they could not be satisfactorily printed in the ordinary way. Fine illustrated catalogues a specialty.

To Photographers.—We would suggest the advisability of placing some light ground—a sheet, or light paper—behind machinery of all kind, if the photograph is to be made indoors, to relieve the outline and reflect light upon the object. These remarks apply more particularly to heavy machinery, having more or less detail to be shown inside the frame. Photographs of such objects will be rendered more clearly, if the parts in deep shadow, or better still, the whole machine can be touched over with a light grey paint. This treatment is not absolutely necessary, where a clear light reaches every part to be illustrated, though the result is so satisfactory that we venture to suggest it.

Terms.—We require on all orders a deposit of one-half the price of the work with the order, the balance to be paid on delivery. On bills of Five Dollars or over, we pay the express company's charge for returning the money. All plates will be sent by express unless otherwise ordered. If by mail, will be at the customer's risk, and must be fully paid, including postage before shipment. This rule is unalterable except when our customers are well known to us and of assured responsibility, or when satisfactory New York City references can be given. No proposition for part payment in advertising will be considered. Terms Cash.

Remittances should be made either by Drafts on New York, by Post Office Money Orders payable to The Moss Engraving Co., or by Registered Letters.



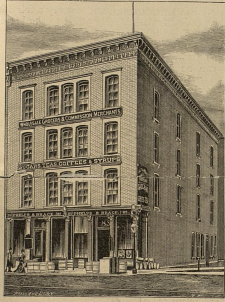
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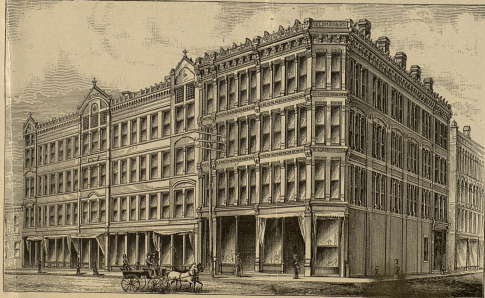
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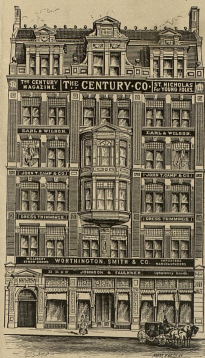
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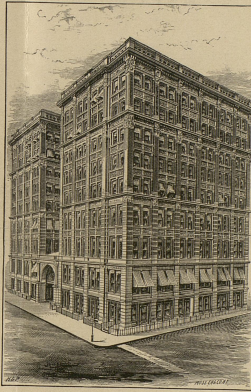
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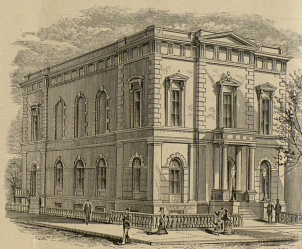
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