

UNION PACIFIC RAILROAD  
ILLUSTRATIONS

250-

# PITTSBURGH CAST STEEL SPRING WORKS,

MANUFACTURERS OF

EXTRA TEMPERED

Light Elliptic

CAST STEEL

SPRINGS,

FOR RAILROAD CARS

AND

Locomotives,

FROM \*

BEST CAST STEEL.

A. FRENCH & CO.

Office and Works, Cor. LIBERTY & 21st STREETS, PITTSBURGH, Pa.



**HUGSEY, WELLS & CO.**

MANUFACTURERS OF ALL DESCRIPTIONS OF

**CAST STEEL.**

**BEST REFINED TOOL STEEL.**

---

Especial attention given to the Manufacture of

**CAST STEEL FOR RAILWAY SUPPLIES,**

Railroad Spring and Frog Steel, Locomotive Slide Bars, Crank Pins, Axles, Piston Rods, &c.

**HOMOGENEOUS STEEL,  
FOR LOCOMOTIVE BOILERS, FIRE BOXES & FLUES.**

---

OFFICE AND WORKS ON

**PENN & 17th STREETS, Tenth Ward, PITTSBURGH, Pa.**

BRANCH WAREHOUSES,

**137 & 139 FEDERAL ST., Boston, 30 GOLD ST., New York, 88 MICHIGAN AVE., Chicago.**





Bridge No 32, 300 feet Long

THE NEWSPAPERS REPORT 628 BOILER EXPLOSIONS IN A PORTION OF THE UNITED STATES FOR THE PAST 6 YEARS, WITH A LOSS OF 3198 LIVES AND 1287 SERIOUSLY INJURED.

# THE HARRISON BOILER, A SAFE STEAM BOILER.

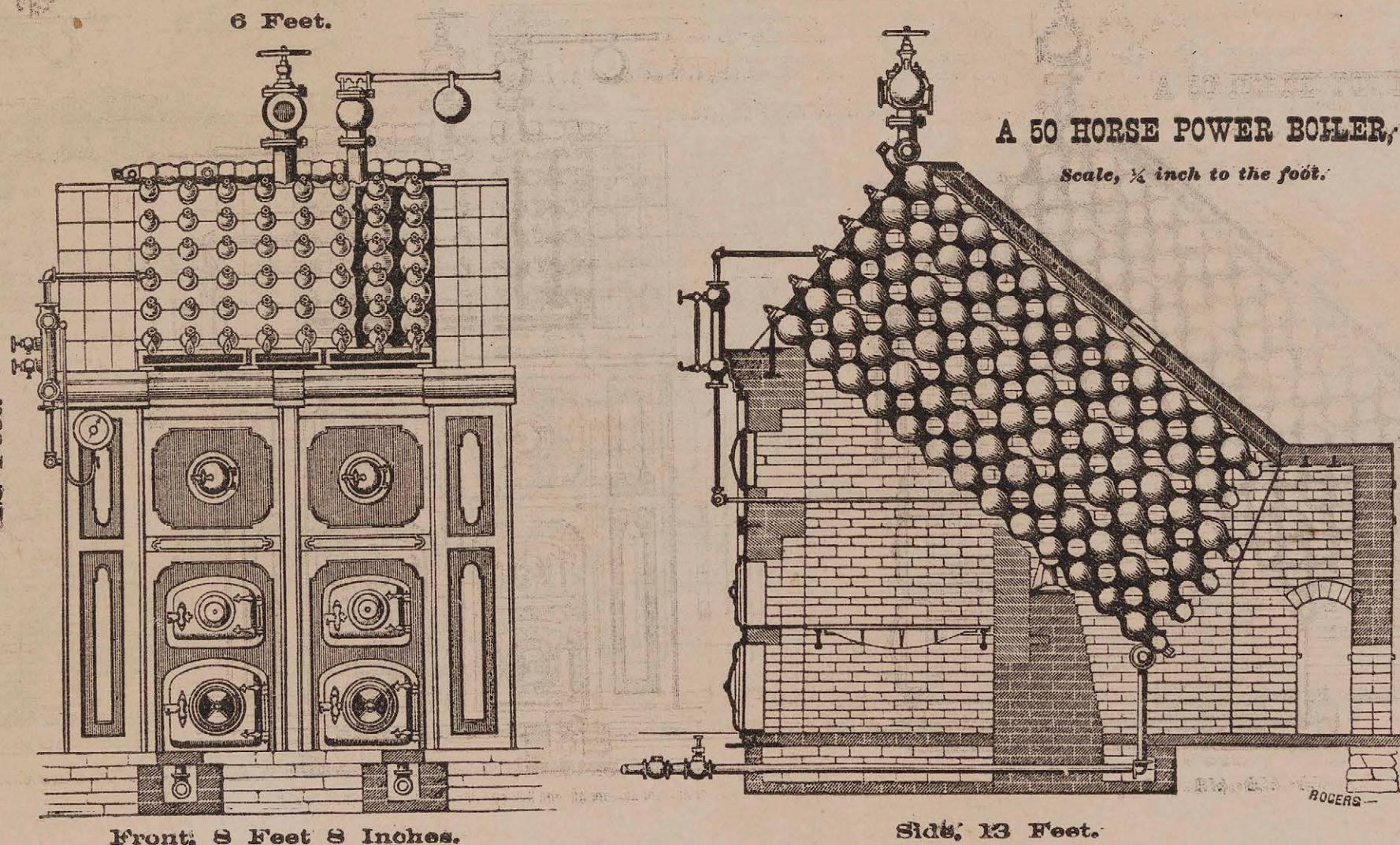
This new Steam Generator combines essential advantages IN ABSOLUTE SAFETY FROM EXPLOSION, in first cost; durability, economy of fuel, facility of cleaning, and transportation.

It is formed of a combination of cast-iron hollow spheres—each eight inches in external diameter, connected by curved necks, with rebate machine-made joints, held together by wrought-iron bolts with caps at the ends. Every boiler is tested by hydraulic pressure at 300 pounds to the square inch.

Under pressure which might cause rupture in ordinary boilers, every joint in this becomes a safety valve. No other Steam Generator possesses this property of relief under pressure, and thus preventing disaster. In an experiment, steam raised to 850 pounds per square inch, has failed to rupture this boiler.

It is not seriously affected by corrosion, which so soon impairs the strength of the wrought-iron boiler.

OVER 25,000 HORSE POWER IN USE.



It gets up steam quickly—produces superheated steam without separate apparatus.

It is easily transported, and may be taken apart so that no single piece need weigh more than eighty pounds. In places of difficult access, the largest boiler may be put through an opening one foot square. Under ordinary circumstances, it is kept free from permanent deposit by blowing the water entirely out under full pressure, once a week. It requires no special skill in its management or erection. Injured parts can be renewed with great facility, as they are uniform in shape and size. The greater part of the boiler will not need renewal, unless unfairly used.

A boiler can be increased to any extent by simply adding to its width, and, being the multiplication of a single form, its strength remains the same for all sizes. It takes less than one-half the ground area of the ordinary cylinder boiler.

Drawings and Specifications free of charge. Boilers always ready for delivery.

ADDRESS

HARRISON BOILER WORKS,

GRAY'S FERRY ROAD, Adjoining the United States Arsenal, PHILADELPHIA, Pa.

JOHN A. COLEMAN, General Agent, No. 36 Kilby St., BOSTON, Mass., & 49 Murray St., NEW YORK.



#### HANGING ROCK, FOOT OF ECHO CANON.

This mass of conglomerate rock overhangs its base nearly fifty feet, and forms the foundation of a bluff nearly one thousand feet in height. It overlooks Echo City. The Union Pacific Railroad winds around the bluff's base. From its top can be viewed some of the grandest scenery on the road.

# PHILADELPHIA ORNAMENTAL IRON WORKS,

CONSISTING, IN PART, OF

FOUNTAINS, VASES,  
STATUARY,

CAST & WROUGHT IRON RAILINGS,

For Public Squares, Cemetery Lots, Garden  
Fences, Balconies, Roof Crestings,  
in great variety of designs.

IRON STAIRS,

SPIRAL & STRAIGHT,  
OF VARIOUS PATTERNS AND STYLES.

STABLE FITTINGS,

OF WROUGHT AND CAST IRON,  
And of New and Improved Styles, comprising  
every article for the complete furnishing  
of a

FIRST-CLASS STABLE,

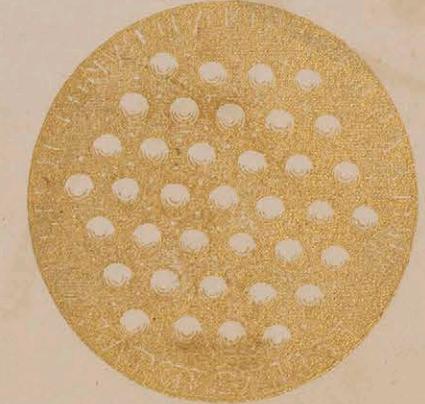
Such as HAY RACKS, STALL DIVISIONS,  
MANGERS, HARNESS BRACKETS,  
GUTTERS, TRAPS, VENTI-  
LATORS, &c., &c.

Cheaper Patterns for Farmers and Livery Stables.

Hyatt's Patent Lead Band

SIDE WALK,  
VAULT, FLOOR & ROOF LIGHTS,  
AS MADE BY  
BROWN BROTHERS, OF CHICAGO.

18 in.



Sole Agents in this City,



ROBERT WOOD & CO.,  
No. 1136 RIDGE AVENUE, PHILADELPHIA.



VERANDAHS,

Summer Houses, Arbors,

CHAIRS, SETTEES, &c., &c.,

WIRE WORK,

OF EVERY DESCRIPTION,

GALVANIZED WIRE GUARDS,

OF CRIMPED WIRE,

In Plain or Ornamental Patterns, for STORE  
WINDOWS, FACTORY & WARE-  
HOUSE WINDOWS,  
CHURCH WINDOWS, &c., &c..

Railings for Offices, Bank Counters, Lawn  
Fences, Balconies, &c.

STATUARY BRONZE.

Castings made from Models furnished,  
LIFE SIZE, HEROIC OR COLOSSAL,  
Finished according to the strict require-  
ments of art, in the best manner, equal,  
in every respect, to work done in  
any European Establishment.

GATES,

DOUBLE AND SINGLE,

OF GAS PIPE AND WROUGHT IRON,

In both elaborate and simple designs,  
FOR ENTRANCE TO CEMETERIES,  
PUBLIC SQUARES,  
GENTLEMEN'S COUNTRY SEATS, &c.



STATUARY BRONZE.  
CASTINGS MADE FROM MODELS FURNISHED.

(See Advertisement Opposite.)

# **Great Southern Mail Route**

---

## **SOUTH.**

---

**ONLY ALL RAIL ROUTE TO  
MEMPHIS, GRENADA, JACKSON, MOBILE AND NEW ORLEANS.**

---

**ALL CONTINUOUS RAIL FROM  
Jersey City to Mobile, Corinth, Meridian, Chattanooga and Atlanta.**

---

Parties holding Through Tickets can stop at **PHILADELPHIA, BALTIMORE,  
WASHINGTON**, and can visit the famous Battle Fields of Virginia, the world-re-  
nowned **LOOKOUT MOUNTAIN**, and resume their journey at pleasure.

Ask for Tickets via Washington, Alexandria & Lynchburg.

**G. M. HUNTINGTON**, New York Agent,

**229 BROADWAY, N. Y.**

J. C. SMITH, Ag't, BOSTON.

H. J. BALL, Ag't, PHILADELPHIA.

WM. E. GASKINS, Ag't, BALTIMORE.

A. KERR, Ag't, WASHINGTON, D. C.



HALL'S CUT.

Cut through granite rock twenty-five feet in height, and one thousand feet in length. This cut is eight miles east of Sherman's Station.

**POOLE & HUNT,  
FOUNDERS & MACHINISTS,  
WORKS**

At Woodberry, N.C.R.R.  
Baltimore, Md.



ESTABLISHED 1851.

**OFFICE**

**161 North Street,  
Baltimore, Md.**

MANUFACTURERS OF

**PORTABLE & STATIONARY STEAM ENGINES & BOILERS,**

BABCOCK & WILCOX PATENT STEAM ENGINES & TUBULOUS BOILERS,  
Leffel's Patent American Double Turbine Water Wheel, Morrell's Fire Engine, Deep Well & Force Pump,

SAW AND CRIST MILLS, FLOURING MILL MACHINERY,

**SHAFTING, PULLEYS AND HANCIERS,**

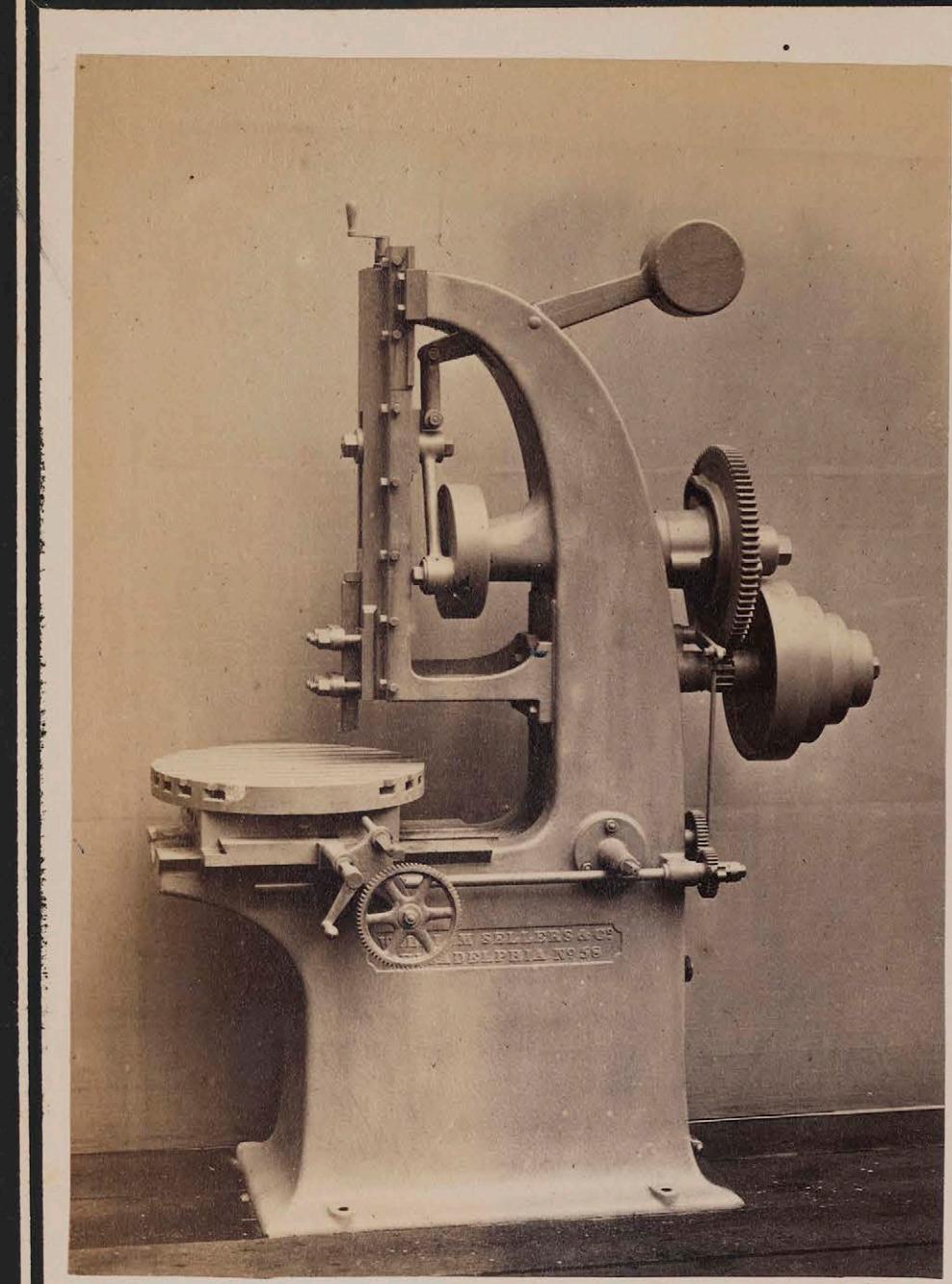
Machinery for White Lead Works and Cotton Seed and other Oil Mills.

**SEND FOR CIRCULARS.**

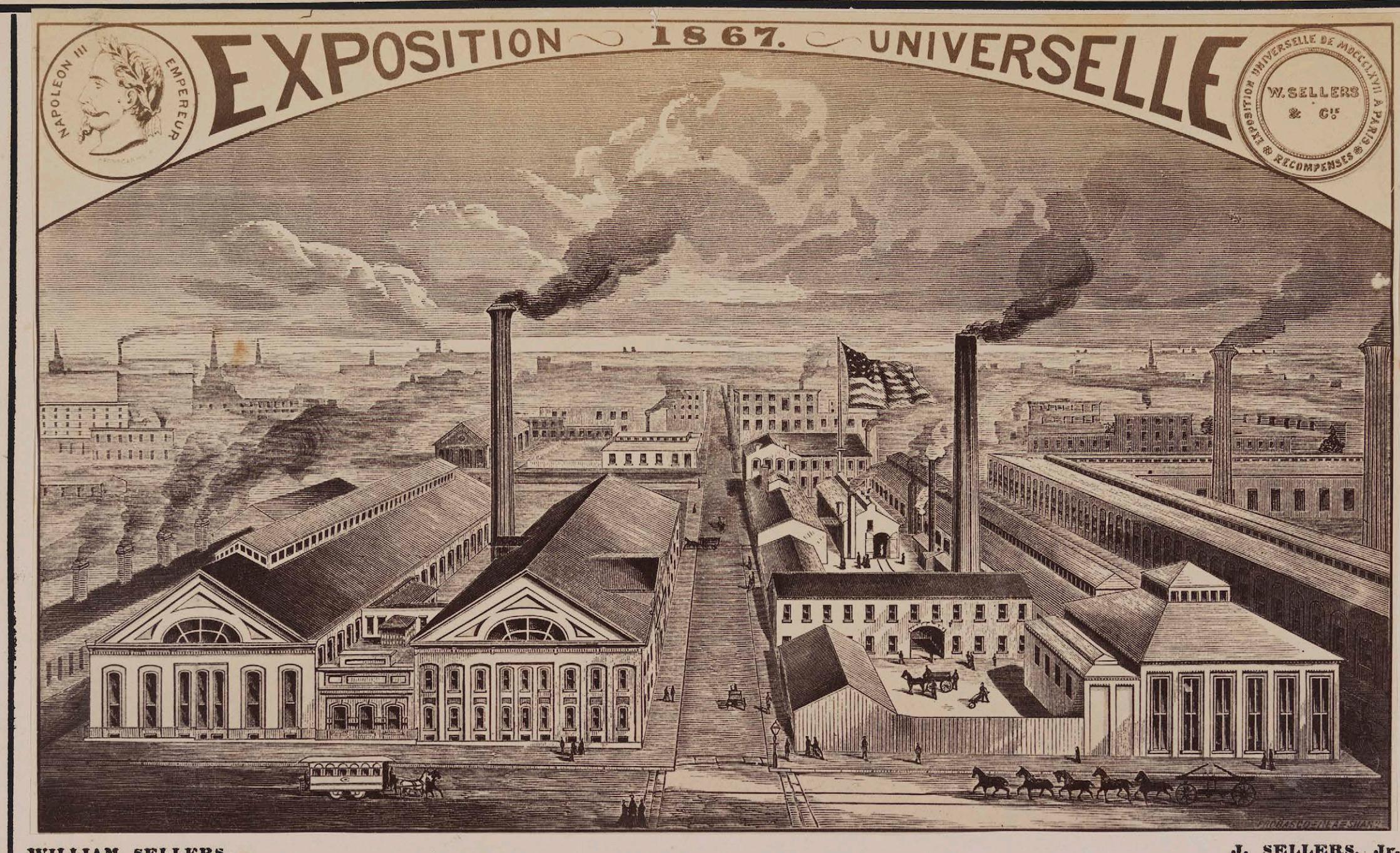
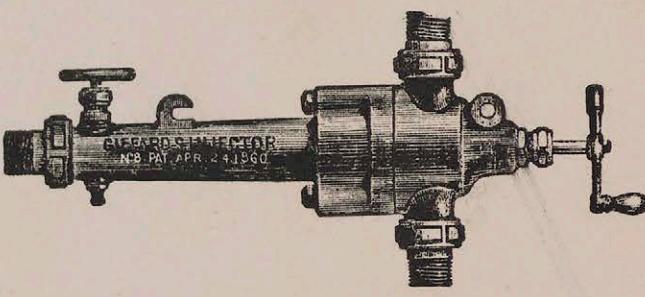


#### GREAT MORMON TABERNACLE.

This building comfortably accommodates ten thousand people, and has within its dome the second largest organ in the United States. The interior is not unlike the exterior in appearance; it is one vast room, and the roof is supported upon a Howe truss, resting on stone columns at either side.



Sole Manufacturers and Licensers of  
GIFFARD'S INJECTOR for FEEDING BOILERS,



WILLIAM SELLERS.

J. SELLERS, JR.

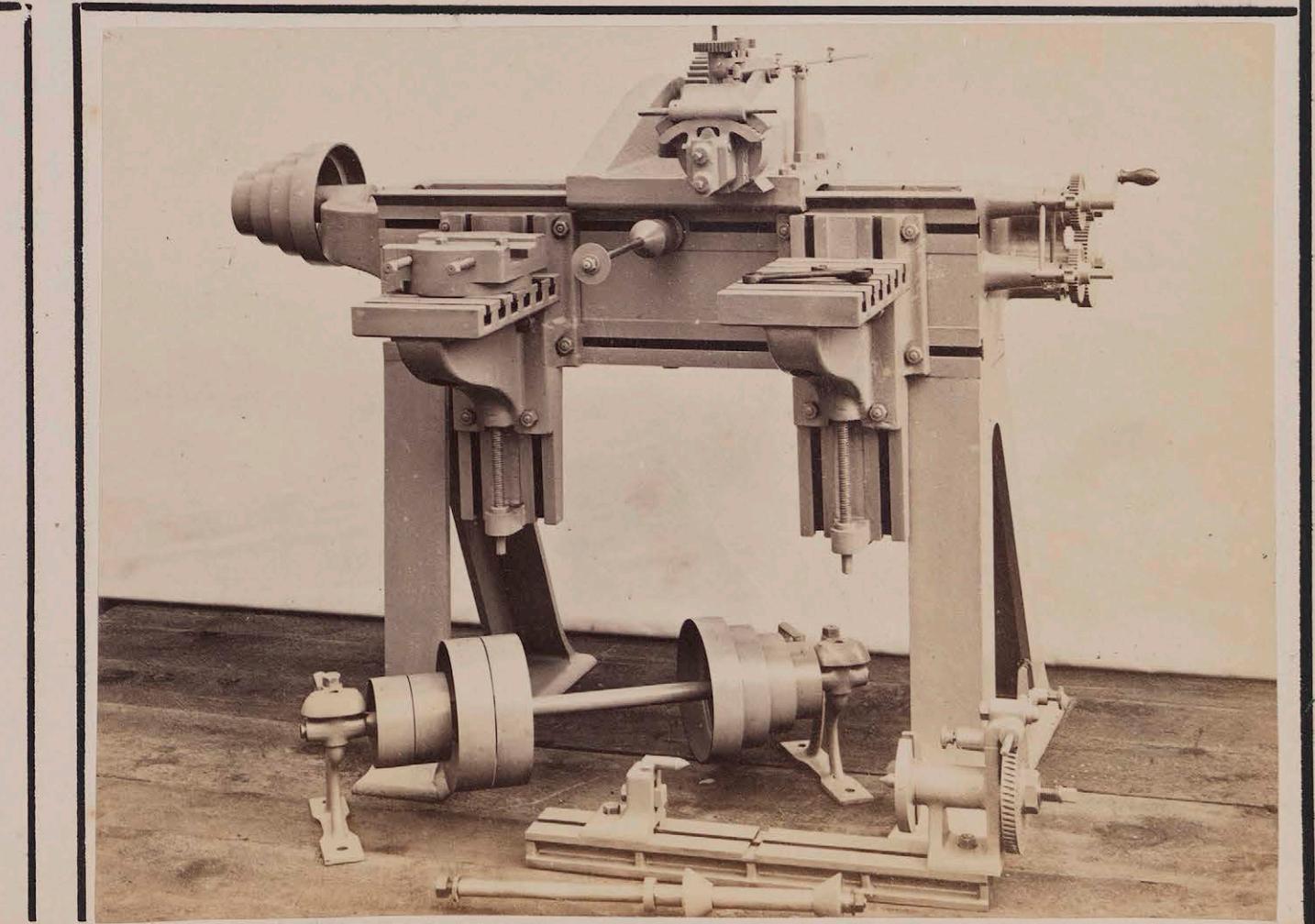
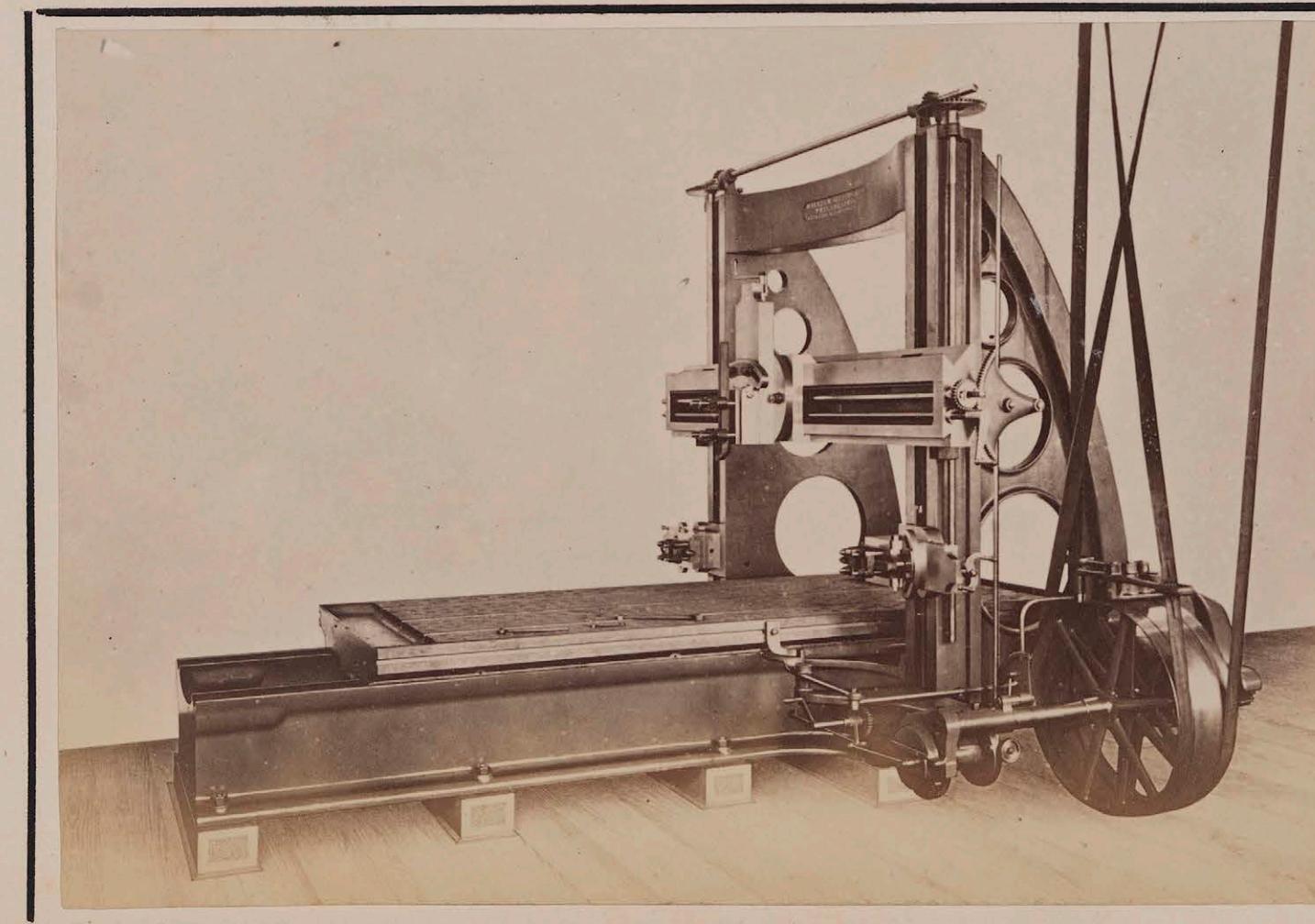
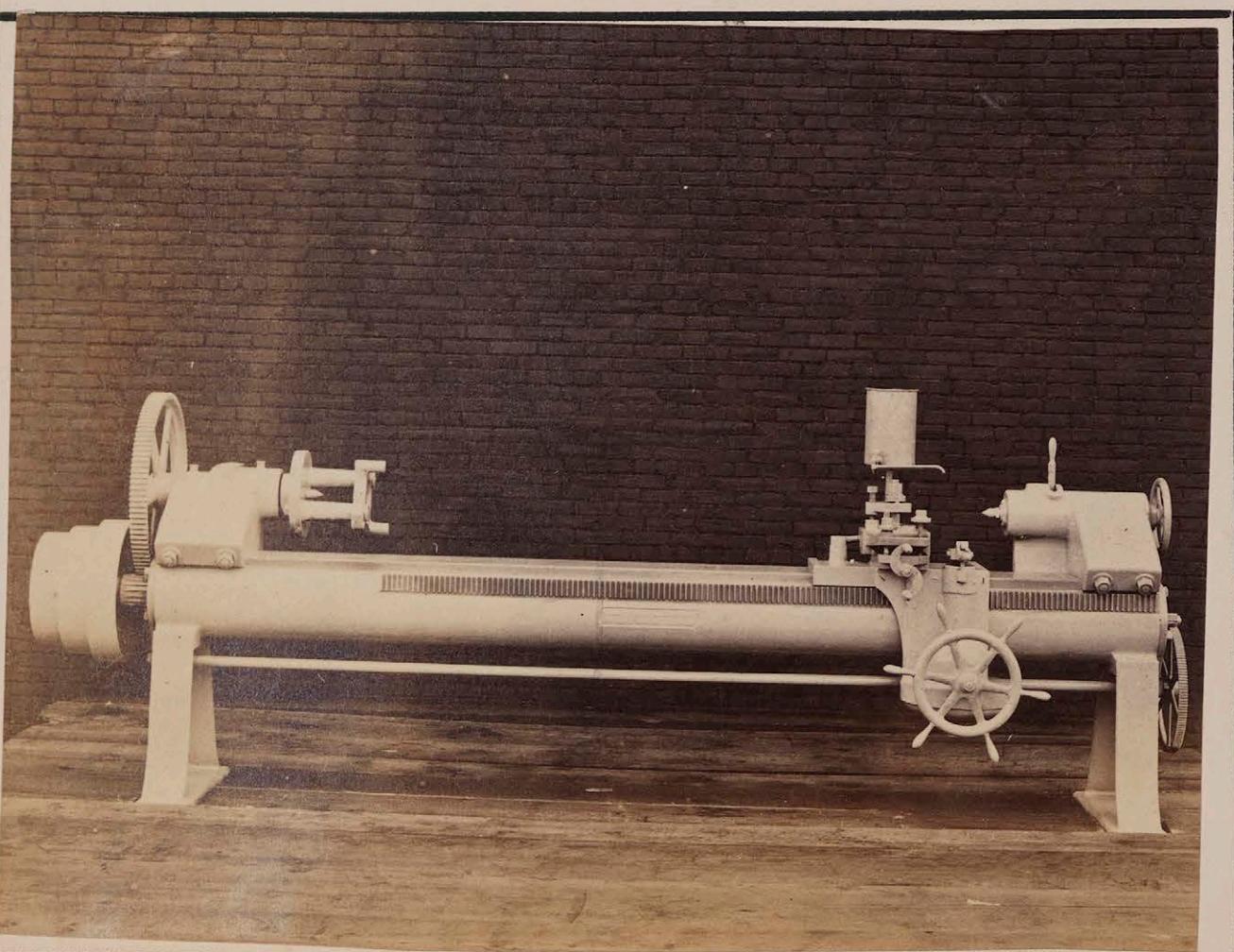
## WILLIAM SELLERS & CO., No. 1600 Hamilton Street, Philadelphia,

Machinists, Founders, Smiths' and Boiler Makers' Tools,

Railway Equipments, Turning and Transfer Tables, Pivot Bridge Centers,

**SHAFTING,**  
*With Ball and Socket Bearings, and Double  
Cone Vice-Couplings, admitting of the  
easiest possible adjustment,*

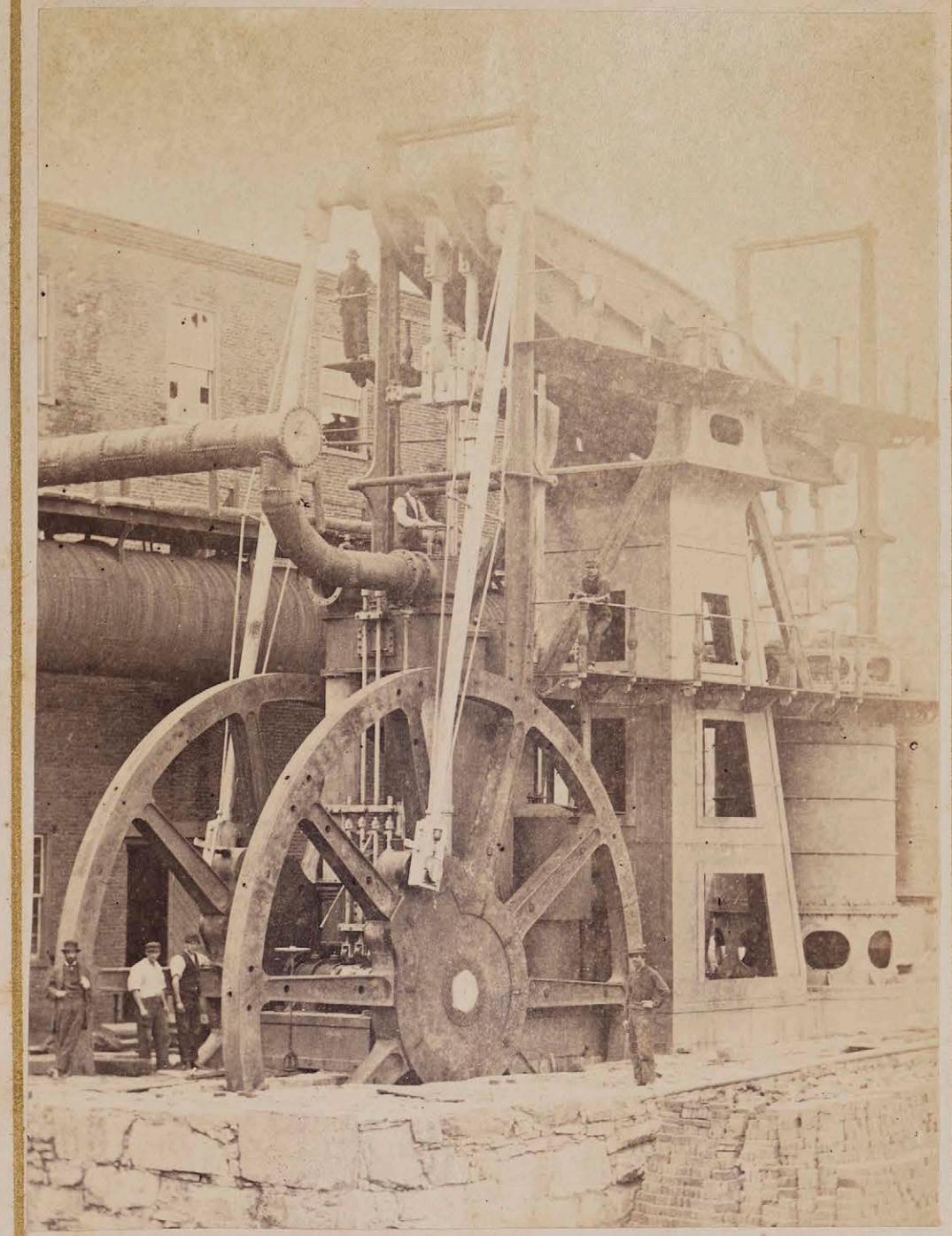
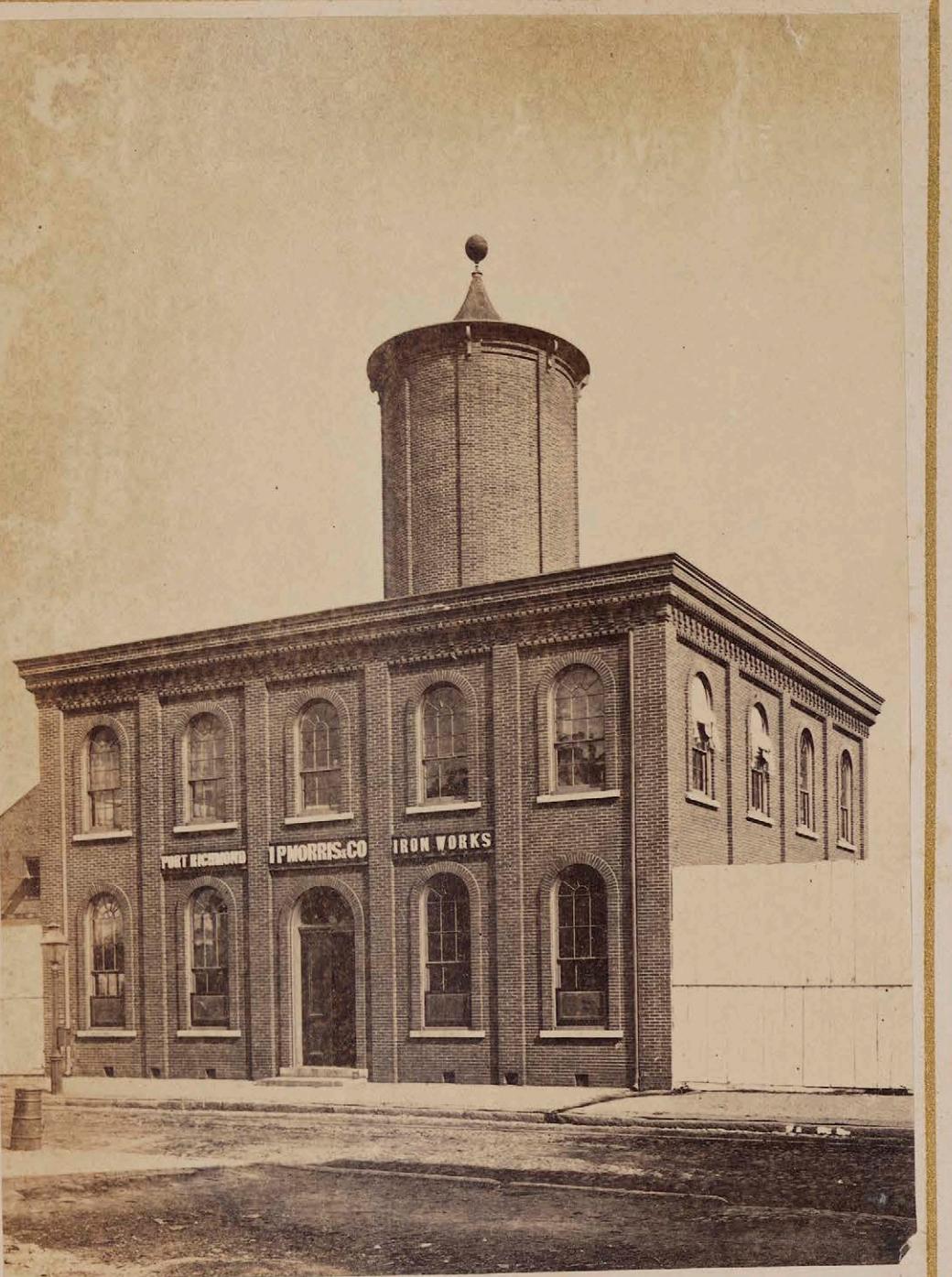
A COMPLETE ASSORTMENT OF  
PULLEY AND WHEEL PATTERNS,  
From which Finished Work or Castings will be furnished.  
Makers of Patent Warehouse Hoists.





CARMICHAEL'S CUT, GRANITE CANON.

Cut sixty feet from the surface to the level of the Railroad track, through hard red granite rock, and is nearly eight hundred feet in length.



LEWIS TAWS.

JOHN J. THOMPSON.

JAS. T. MORRIS.

JNO. T. MORRIS.

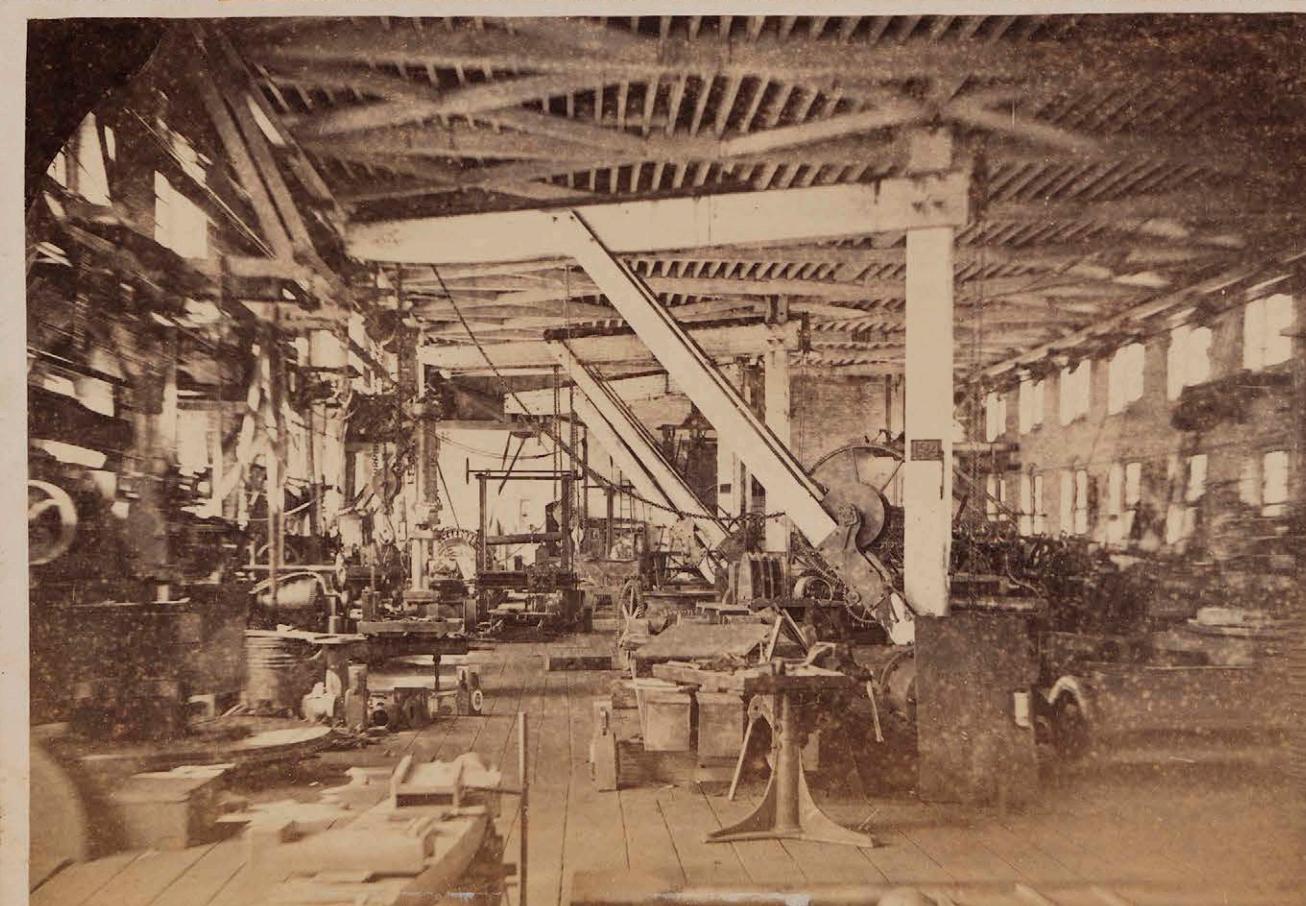
## POR T RICHMOND IRON WORKS, PHILADELPHIA.

I. P. MORRIS & CO.,

Engine Builders, Iron Founders, Boiler Makers and General Machinists,

OFFICE AND WORKS ON THE DELAWARE RIVER, 18th WARD.

ESTABLISHED 1828.





#### LARAMIE MACHINE SHOPS, FROM THE SOUTHWEST.

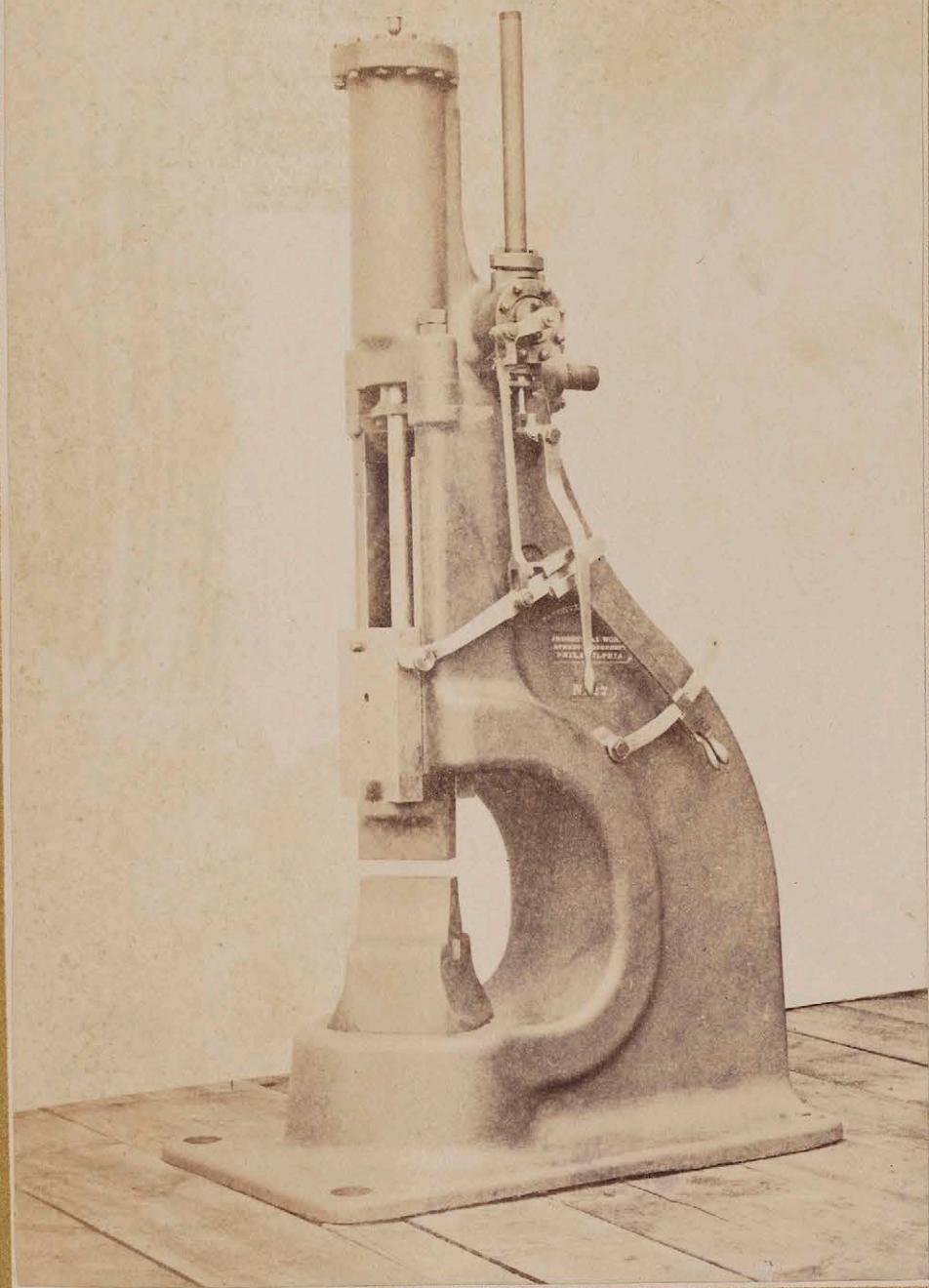
These shops are constructed of a durable gray sandstone, and were erected at an expense of nearly three hundred thousand dollars. The chimney, smoke stack, etc., were built of brick made in the immediate vicinity, and resemble in quality and color that manufactured at Milwaukee.

BEMENT & DOUGHERTY,  
INDUSTRIAL WORKS,

LATHES.  
PLANERS.  
SHAPING,  
SLOTTING,  
BORING,  
AND  
TURNING  
MACHINES,  
GEAR CUTTING  
MACHINES.  
GUN  
MACHINERY.



VERTICAL,  
RADIAL,  
HORIZONTAL  
AND  
SUSPENDED  
DRILLING  
MACHINES.  
COTTER HOLE  
AND  
KEY SEAT  
CUTTING  
MACHINES.



Corner 21st and Callowhill Streets,  
PHILADELPHIA.

**MACHINISTS' TOOLS,**

Machine Shop, Foundry, Smith Shop and Boiler Shop Equipments,  
DRIVING WHEEL

STEAM  
HAMMERS  
Of all sizes.

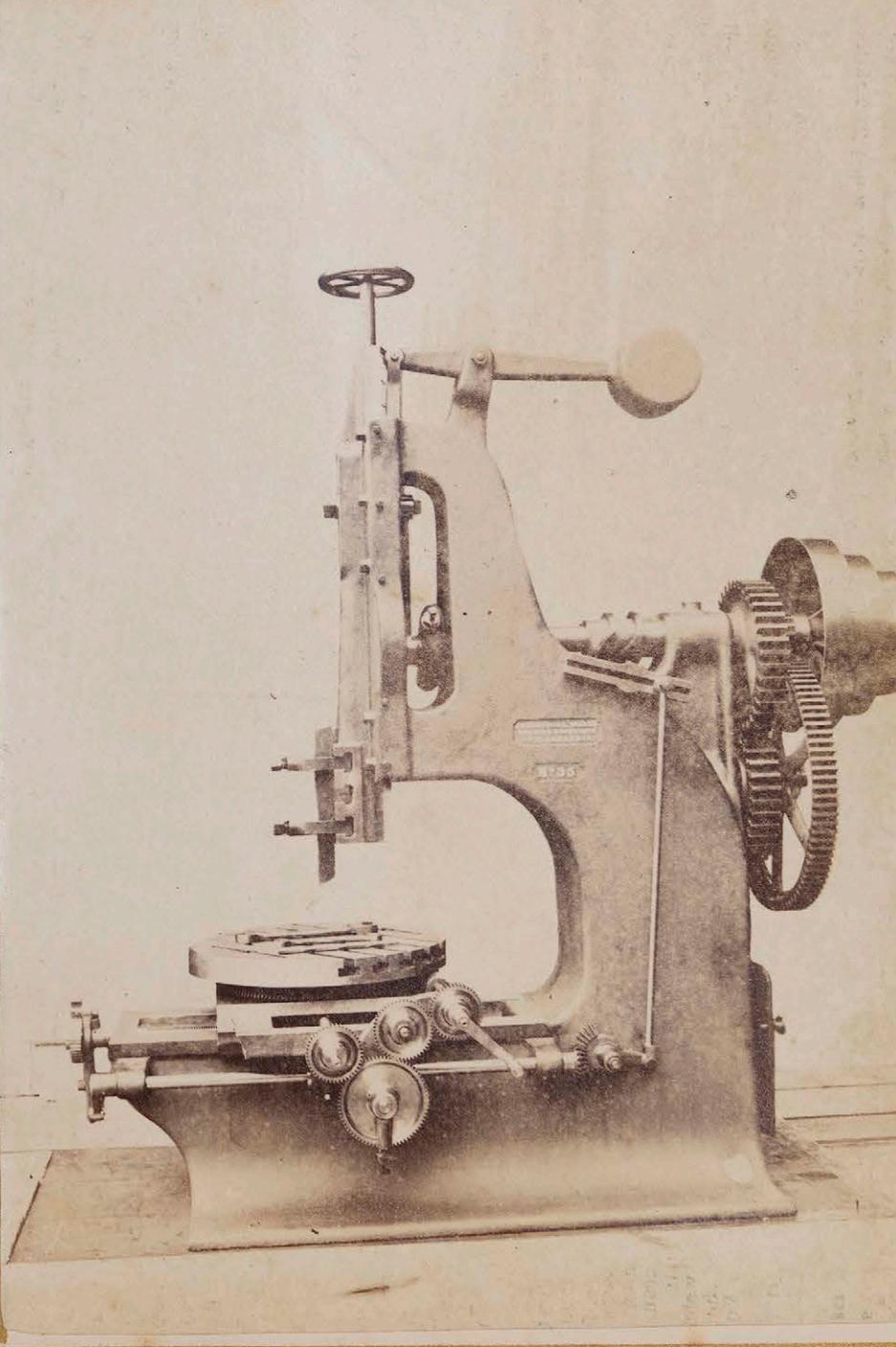
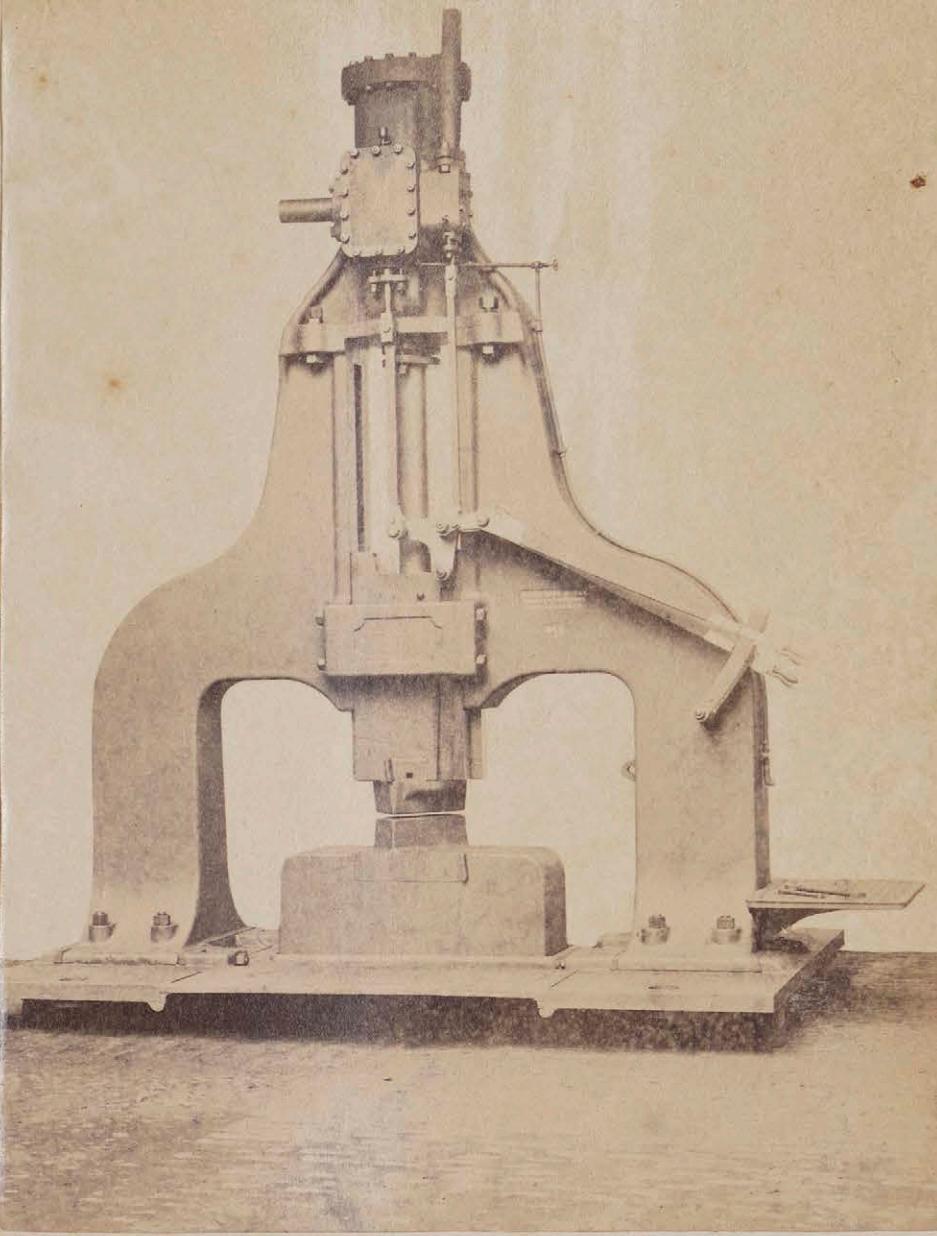
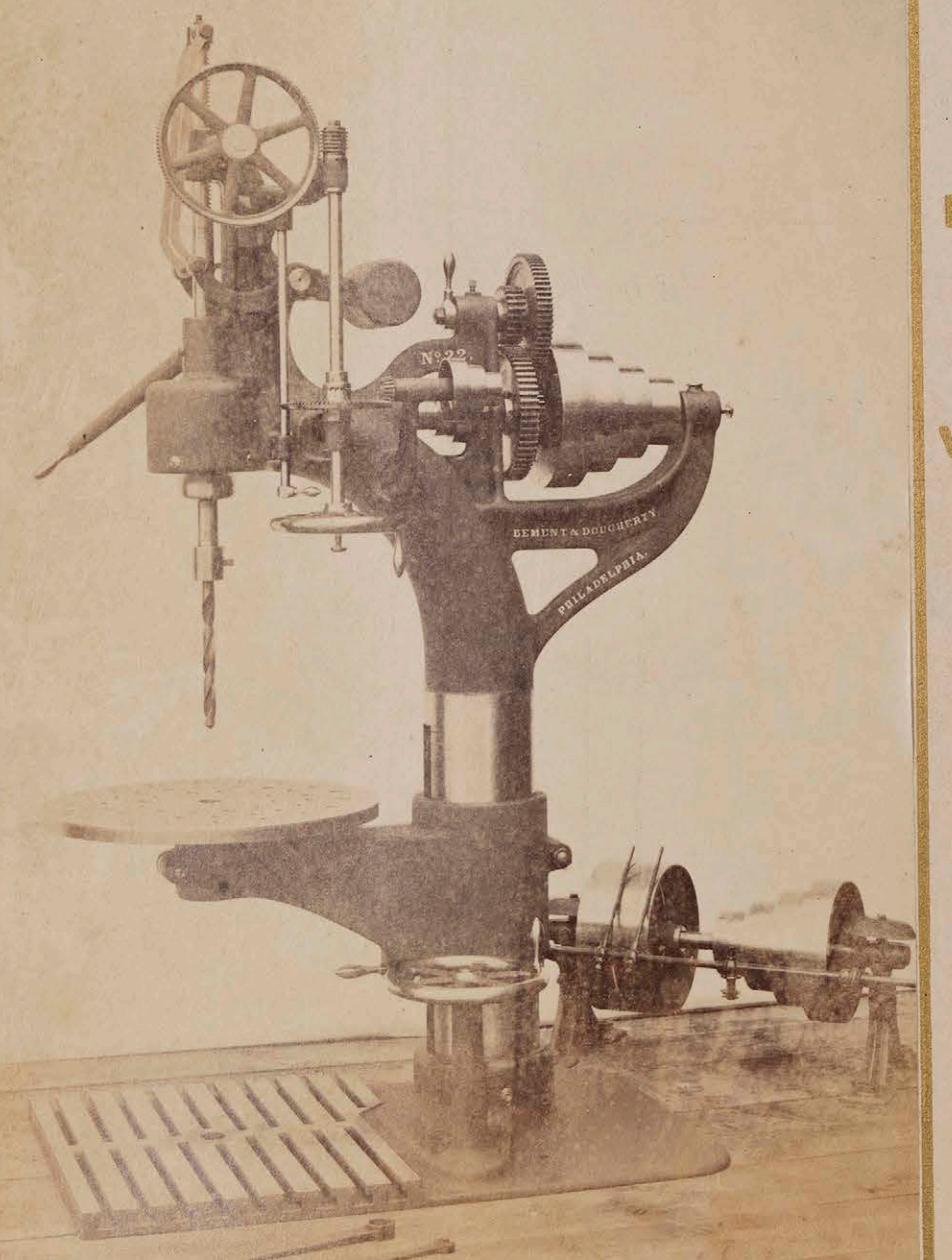
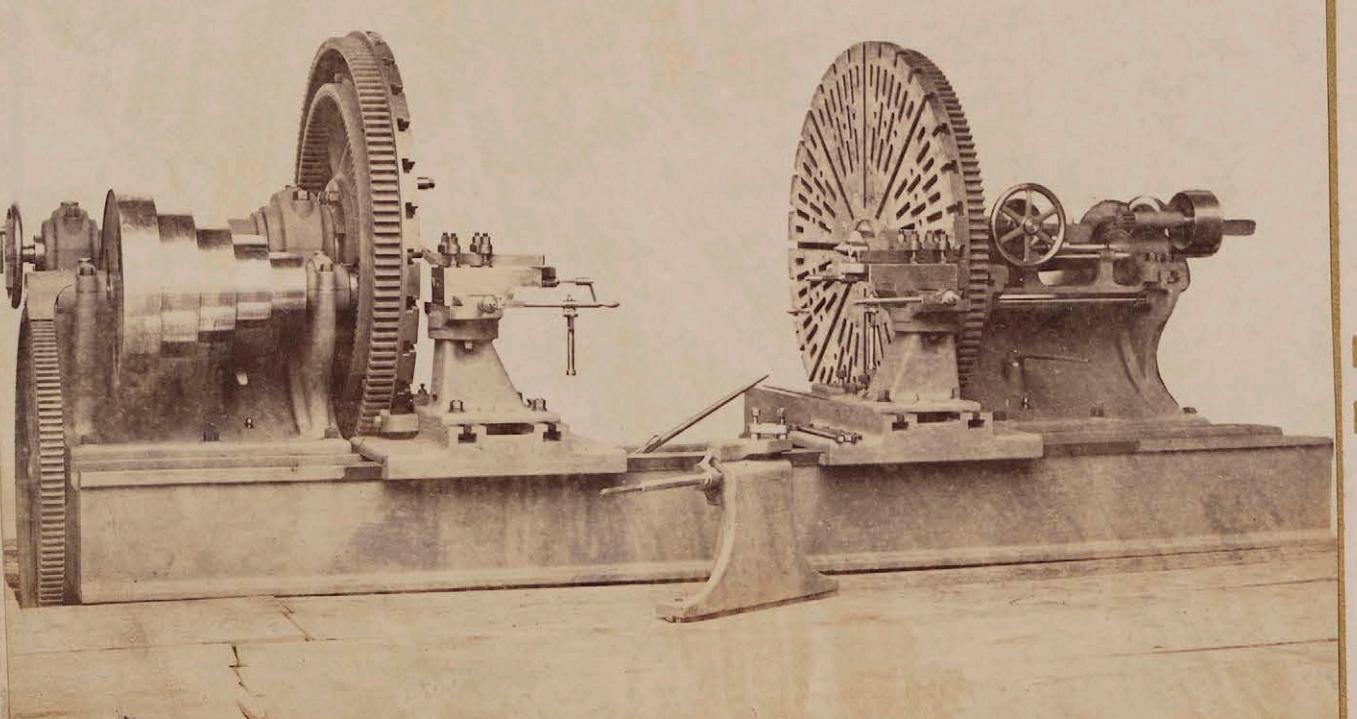
LATHES,  
QUARTERING  
MACHINES,  
WHEEL PRESSES

BOLT CUTTING  
AND  
NUT TAPPING  
MACHINES.

CAR WHEEL  
BORERS,  
PUNCHING AND  
SHEARING  
MACHINES,  
AND OTHER  
RAILROAD SHOP  
TOOLS,

BENDING ROLLS,  
PLATE PLANING,  
ANGLE,  
IRON CUTTING,  
AND OTHER  
IRON  
SHIP BUILDING  
MACHINERY.

TURNTABLES,  
CUPolas,  
CRANes,  
LADLES,  
FORCES,  
BLOWERS, &c.



THE ARCH STREET CARS RUN TO AND FROM THE WORKS.



GEN. CASEMENT'S CONSTRUCTION TRAIN.

The workmen have lived on the cars of this train since the commencement of the building of the road at Omaha, and it is one of the most complete appointments connected with the road.

PITTSBURGH,

PENNSYLVANIA.

# PITTSBURGH STEEL WORKS, ANDERSON & WOODS,

ESTABLISHED 1845.

Successors to ANDERSON, COOK & CO.,

MANUFACTURERS OF EVERY DESCRIPTION OF STEEL,

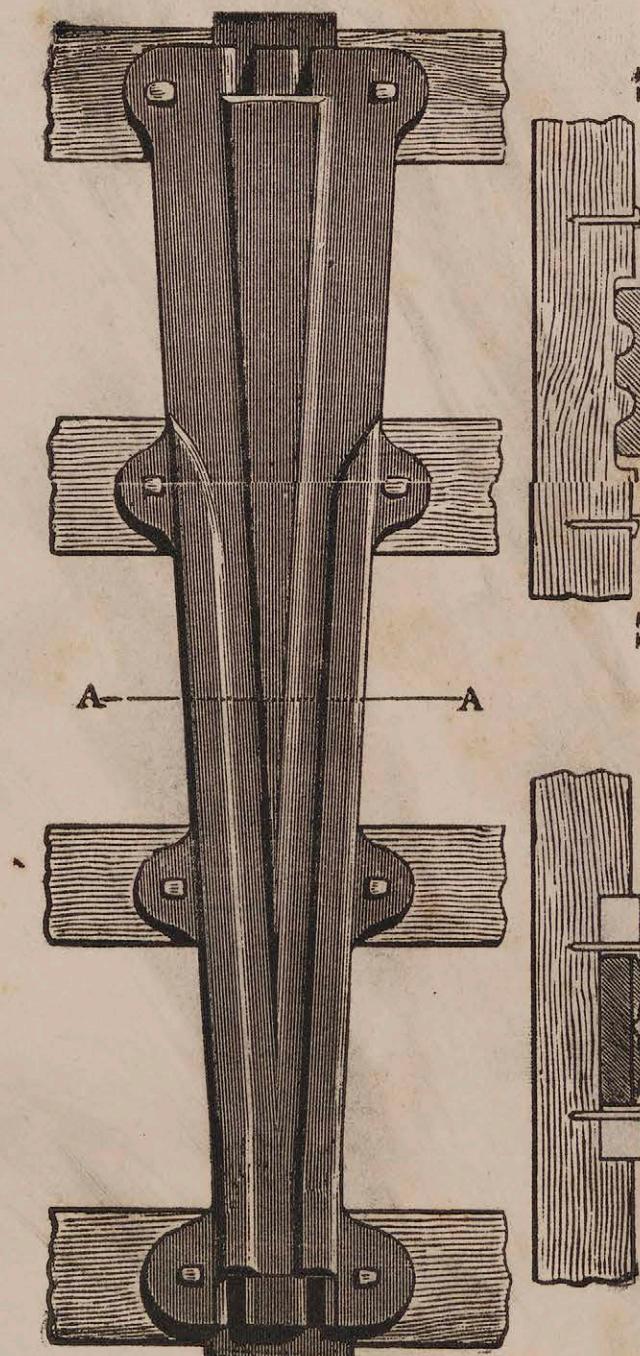
Best Refined Tool Steel,

SAW PLATES,

Spring, Plow, Blister, Shovel, Hoe, Rake,

AND

TOE CALK STEEL.



Locomotive Fire-Box Plates,

CAST SPRING STEEL,

FROG POINTS, AXLES,

AND

Forgings of every description.

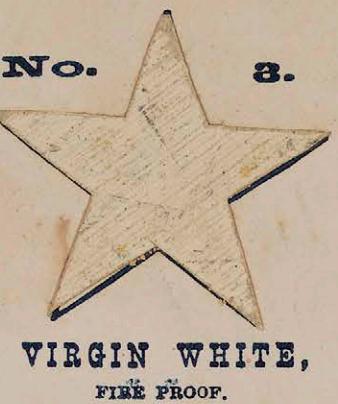
The above Cut represents our REVERSIBLE STEEL FROGS, and improved CHAIRS, now in use upon twenty (20) roads, some of which have had over fifty thousand (50,000) trains over them, and worn very little. We can furnish any angle for any length of rail at short notice. Also any CASTINGS to pattern desired.



SNOW AND TIMBER LINE, LARAMIE MOUNTAINS.

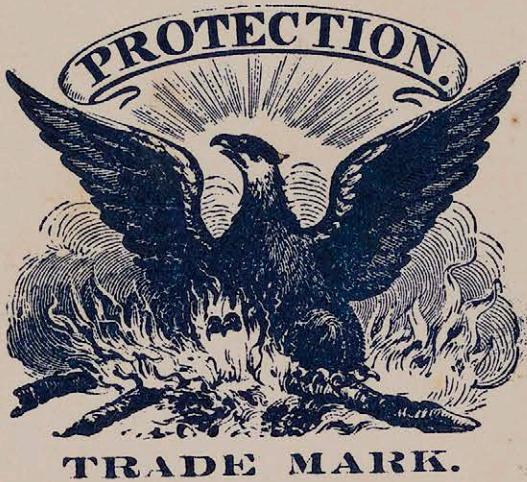
This line is sixty miles south of Laramie City. The mountains are covered with eternal snow. Pine, balsam, tamarack, and cottonwood are found at this point.

60,000 TONS OF PAINT USED ANNUALLY IN THE UNITED STATES.



EUREKA!!!

# HARRIS PATENT PAINT COMPANY.



Patented July 3, 1866.

FIRE PROOF!

WEATHER PROOF!

FOR ANY CLIME, AND FOR ALL TIME.

AN ENTIRELY NEW ARTICLE OF COMMERCE.

NO ROTTEN EARTHS OR DECAYING ORES USED IN THE PROCESSES  
OF MANUFACTURE, BUT

Made only from Materials requiring the hardest French Burr Stones to reduce,

Being (excepting Jewels) the most Refractory and Durable of Substances in Nature; and therefore, the

**MOST LASTING PAINT MANUFACTURED.**

Works, 26th & RAILROAD STREETS, PITTSBURGH, Pa.

JAMES O. SWINNEY, President, GLASGOW, Mo.

J. KENNARD,

Secretary & Treasurer,  
Office, 901 Main St.,

ST. LOUIS, Mo.

NO.

12.

THOS. N. MILLER,

General Superintendent,  
Office, No. 1 Sixth St.,  
PITTSBURGH, Pa.

SPANISH

MARBLE.



EVERY SHADE OF

COLOR TO ORDER.

No. 1.

No. 2.

VIRGIN WHITE,  
FINE PROOF.

A No.

1.

PURE WHITE LEAD,  
MADE FIRE PROOF.

No. 4.

DARK BROWN.

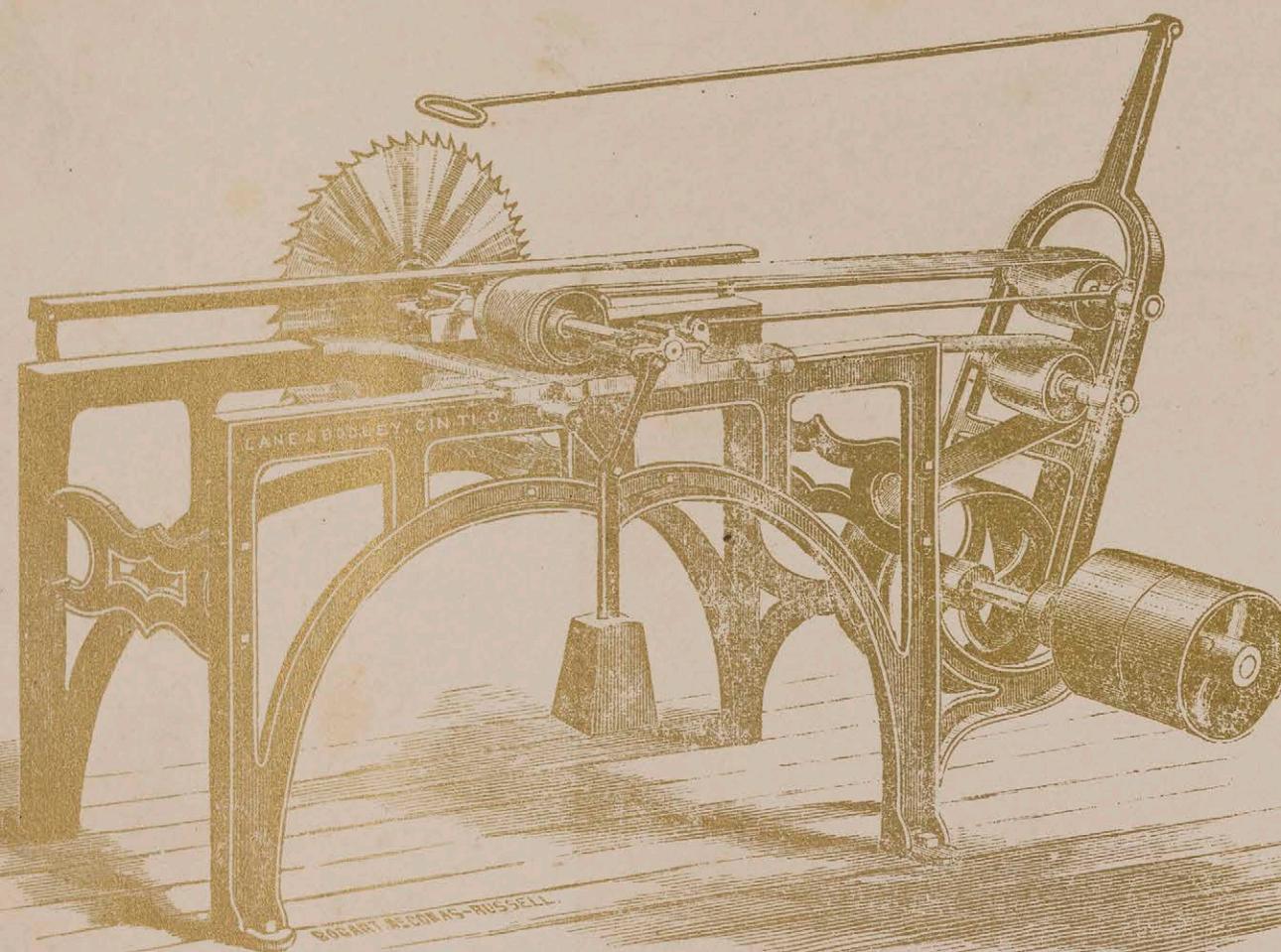
No Plus Ultra!



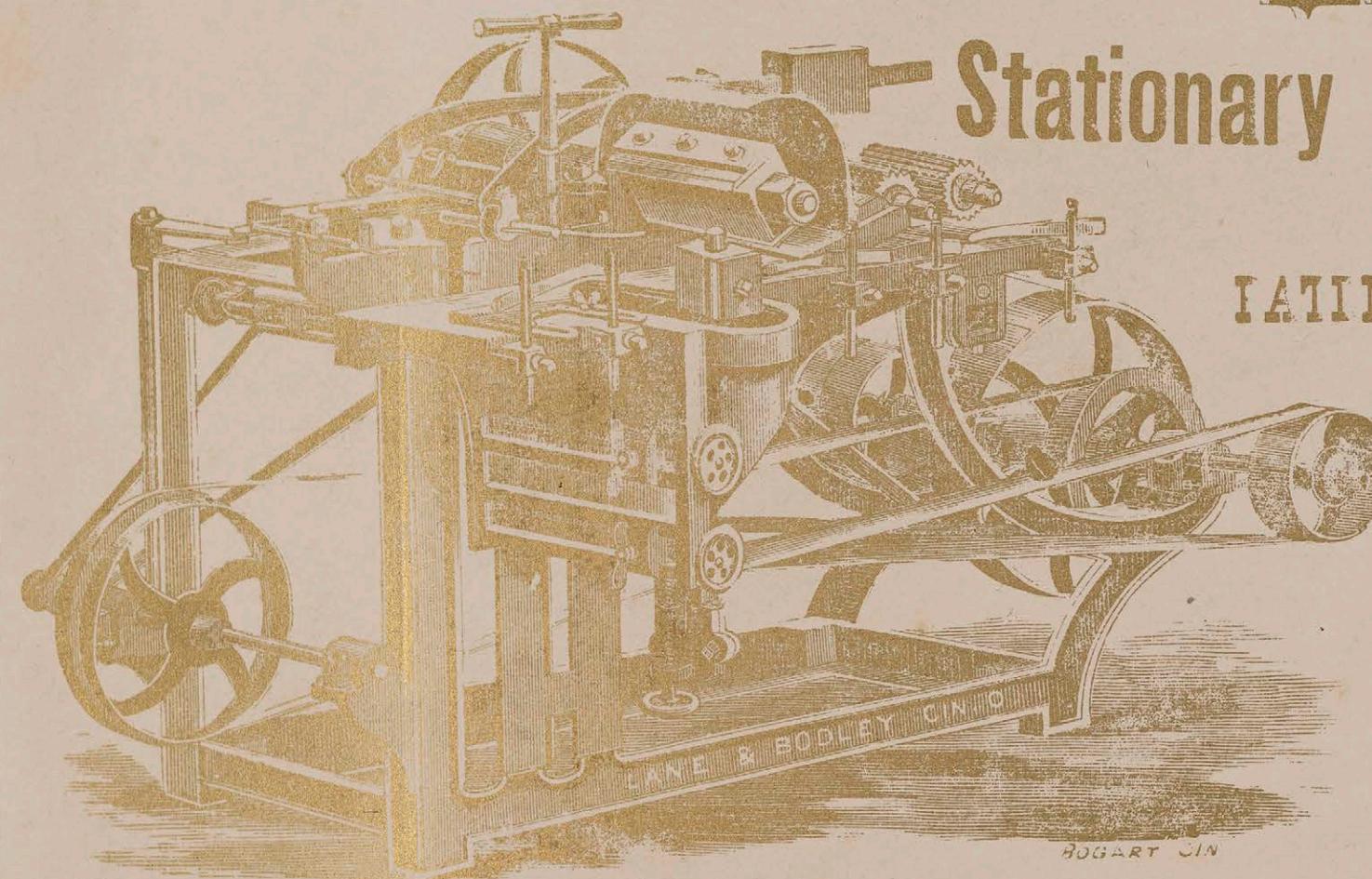
MONUMENT ROCK, MOUTH OF ECHO CANON.

This obelisk of conglomerate rock rests on a base of sandstone, and is two hundred and fifty feet high. This is the Great Milestone, not in a ivy called by the pioneers 'The Dog's Head.' It stands just in the junction of the Echo with the Weber River, and is one thousand miles west from Omaha.

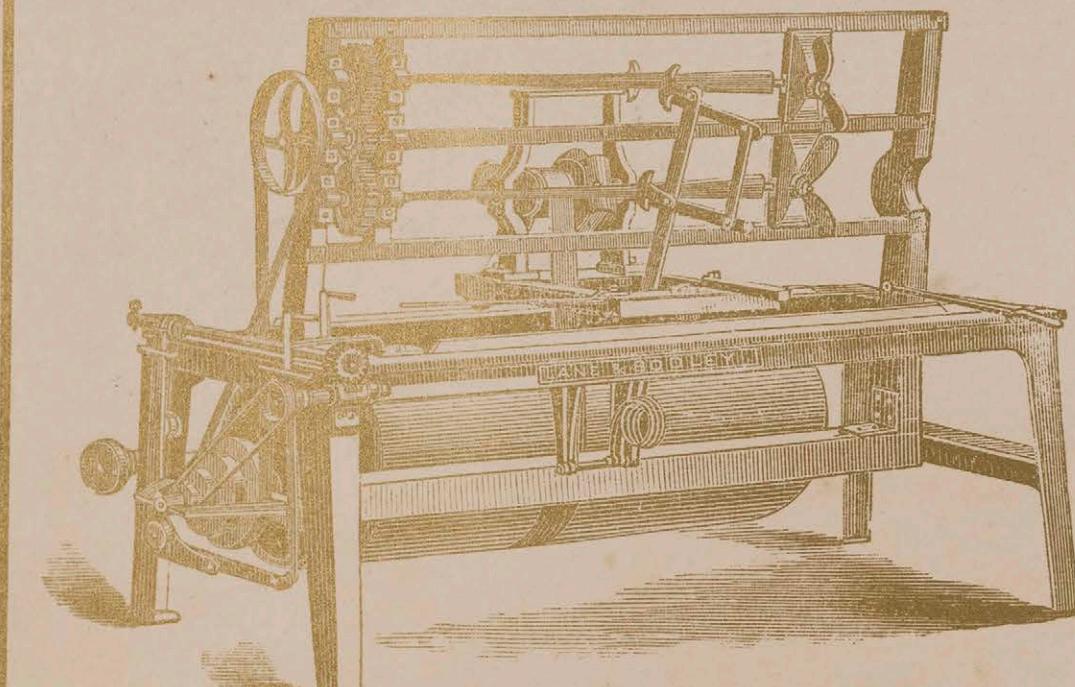




THE LANE & BODLEY RAILWAY CUT-OFF SAW.



SASH AND MOULDING MACHINE.



Blanchard Spoke Lathe.

Portable Engines,  
Stationery Engines,  
Circular Saw Mills,  
Power Mortisers,  
Sash & Moulding Machines,  
Tenon Machines,  
Spoke Lathes,  
Turning Lathes,  
Hub Mortizing Machine,  
Railway Cut-off Saw,  
Shafting Pulleys & Hangers,  
Lath Machines,  
Boilers made to order,  
Wrought Iron Pipe and Fittings,  
Castings of all kinds.

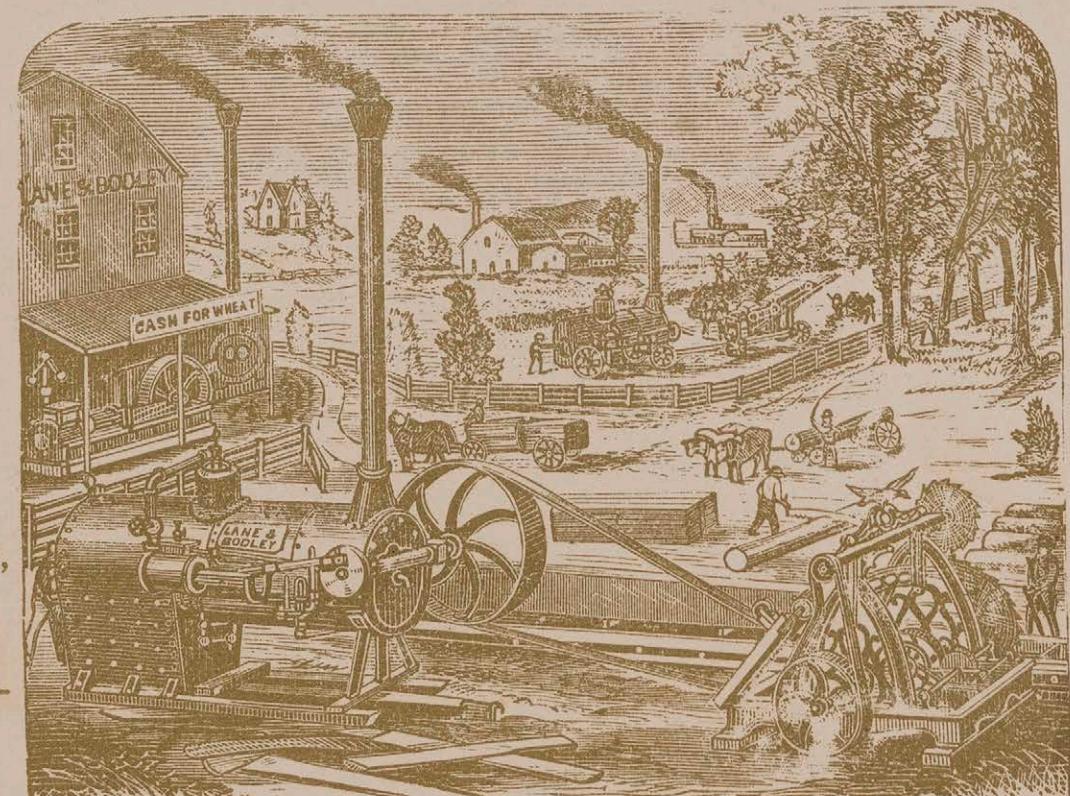


(S.E.COR. OF JOHN & WATER STS.)

# LANE & BODLEY,

## Stationary & Portable Steam Engines & Mill Machinery, PREMIUM CIRCULAR SAW MILLS, PATENT INDEPENDENT AND SIMULTANEOUS WROUGHT-IRON HEAD BLOCKS, Patent Lath Machinery, Shingle Machines, Lane & Bodley's Patent Power Mortisers, Hub, Spoke, Wagon, Furniture, Sash, Blind & Car Machinery, Lane & Bodley, John & Water Sts., Cincinnati, O.

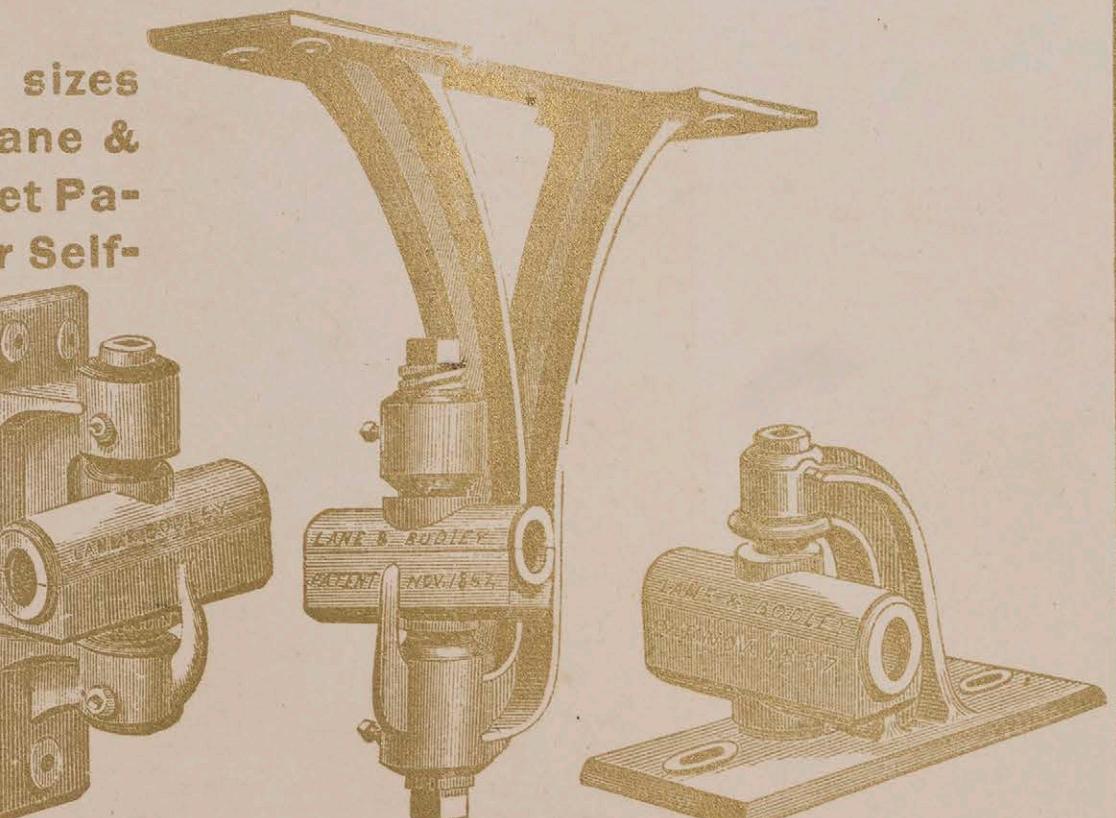
Descriptive Circulars and Price Lists furnished on application.



Lane & Bodley's Portable Circular Saw Mill.

**SHAFTING** of all sizes  
kept in stock. The Lane &  
Bodley Ball and Socket Pa-  
tent Hangers with our Self-  
Lubricating Jour-  
nal Boxes..

—:—  
We have Two Hundred  
and Fifty Pulley  
Patterns and One  
Hundred Hanger  
Patterns of uniform  
style and weight.



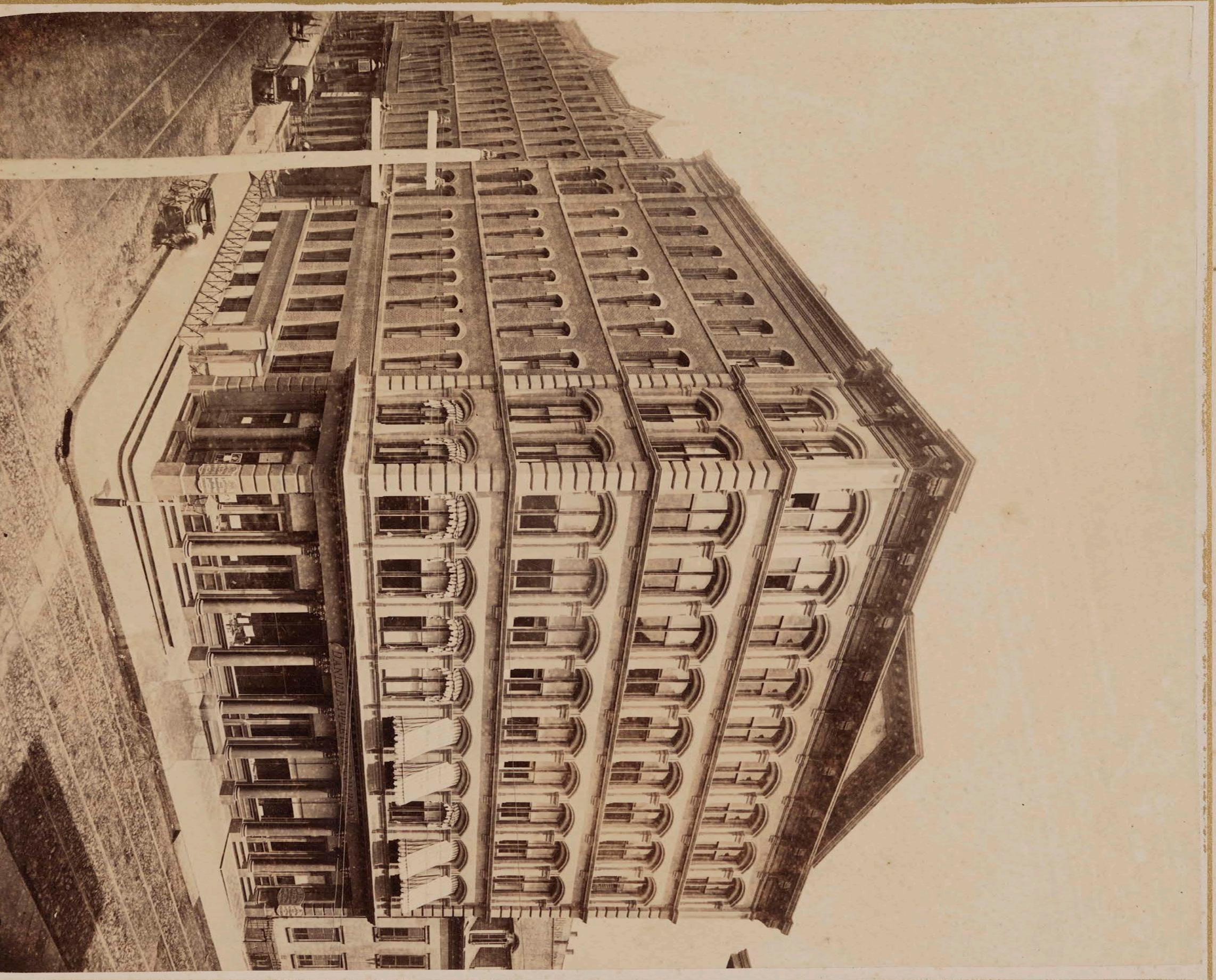
Ball & Socket Post Hanger. Ball & Socket Drop Hanger.

Ball & Socket Journal Box.



LAST RAIL--PROMONTORY POINT.

D. APPLETON & CO.'S  
PUBLICATION HOUSE,  
Nos. 90, 92 & 94 GRAND ST., NEW YORK.



D. APPLETON & CO.,  
PUBLISH THE LARGEST COLLECTION OF  
**\$ C H O O F BOOKS**  
IN THE COUNTRY.

Libraries supplied with Books. Catalogues furnished GRATIS on application.

THEY PUBLISH

APPLETON'S JOURNAL OF LITERATURE, SCIENCE AND ART.

Price 10 cents per No., or \$4.00.



Trestle Work at Promontory Pt

# CHEAP PAINTING.

$\frac{1}{3}$

COST of LEAD.

For particulars, address

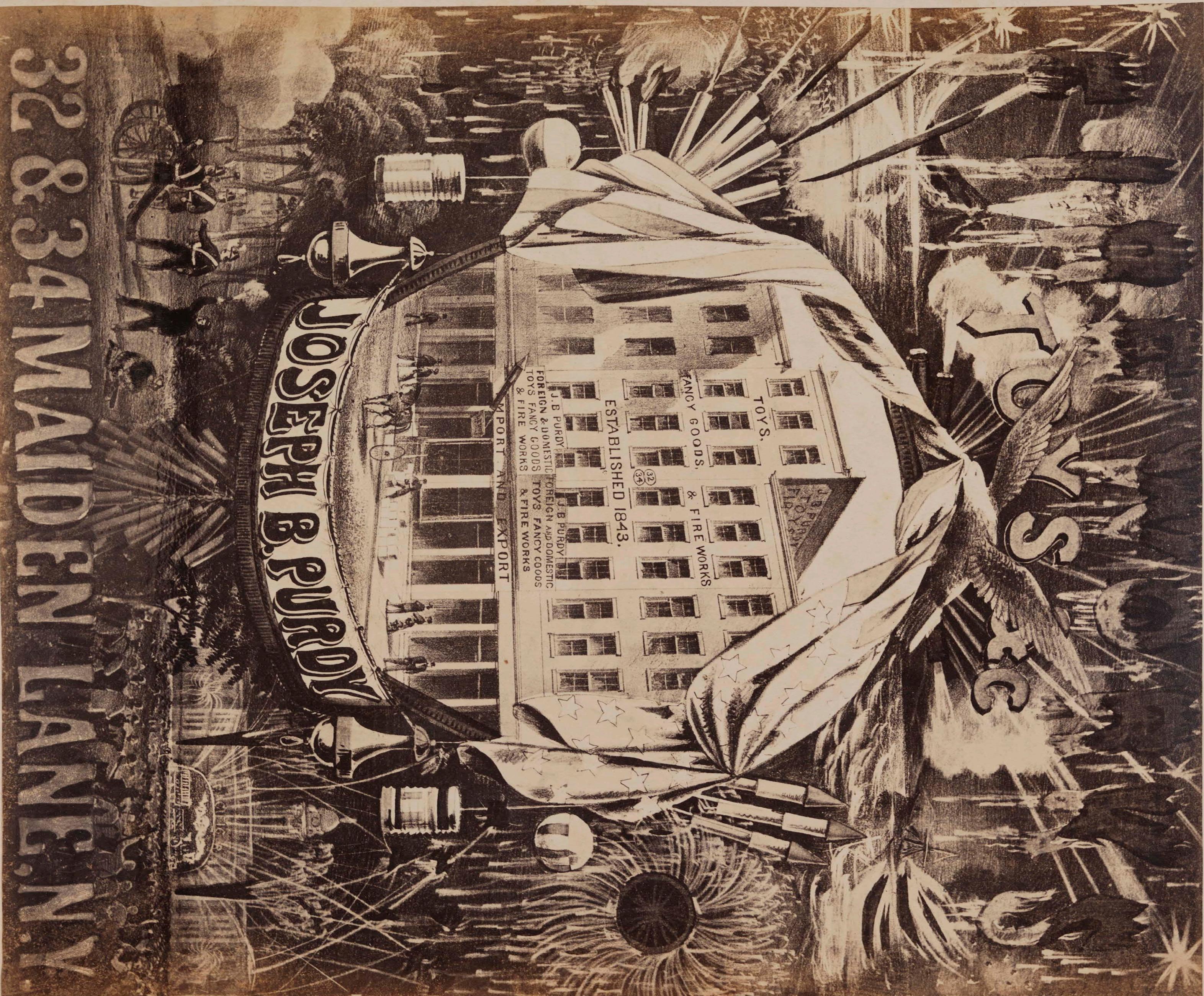
S. BOWEN, SECRETARY,  
No. 150 North 4th Street, Philadelphia.

{ 100 lbs. of the PECORA COMPANY'S  
COLORED PAINT, (costing \$12.50,) will  
paint as much as 250 lbs. of Lead,  
(costing \$37.50), and wear longer.



LOOKING UP WEBER RIVER, ECHO CITY.

This river empties into Salt Lake, and has its rise in the Wasatch Mountains, flowing from thence through a beautiful valley, until it is closed up by the gorge known as the Devil's Gate, Weber Canon. Echo City now contains about three thousand inhabitants.



32 & 34 VIADEN GARDEN

IMPORT AND EXPORT

J. B. PURDY  
FOREIGN & DOMESTIC  
TOYS FANCY GOODS  
& FIRE WORKS

ESTABLISHED 1843.

J. B. PURDY  
FOREIGN & DOMESTIC  
TOYS FANCY GOODS  
& FIRE WORKS

32  
33



ON THE MOUNTAINS OF GREEN RIVER, LOOKING UP THE  
VALLEY.

The standpoint for this view is nearly two thousand feet above the Railroad, which can be seen, winding through the bottom lands, three miles away; farther off can be seen the dim outline of Green River City. This town is built of unburnt brick, and when this view was taken contained two thousand inhabitants.

**EVANS, GARDNER & CO.,**  
**537, 539 & 541 BROADWAY, FIRST BLOCK ABOVE ST. NICHOLAS HOTEL,**  
**IMPORTERS & JOBBERS OF**  
**DRY GOODS,**

Offer to the Trade a Large and Choice  
Stock of

**DRESS GOODS,**  
**WOOLENS,**  
**FLANNELS,**

**WHITE GOODS,**

**Hosiery & Notions,**

**IMPORTERS & JOBBERS OF DRY GOODS,**

**537, 539 and 541 BROADWAY, between Spring and Prince Streets.**



Together with a large and varied Stock of  
**Prints, Domestics, Cottonades,**  
**KENTUCKY JEANS, &c.**

We beg leave to call special attention to our  
**WHITE GOODS,**  
**NOTION & HOSIERY**

Departments, which we keep constantly  
supplied with a **LARGE** and **FRESH STOCK**  
and at the lowest market prices.

We take great pleasure in exhibiting our  
Stock, and respectfully invite the inspection  
of buyers before purchasing elsewhere.

**Evans, Gardner & Co.**



Dial Rock

**HENRY LAWRENCE & SONS,**

**MANUFACTURERS OF**

**MANILLA, TARRED,**

**AND**

**JUTE CORDAGE.**

**ANY SIZE AND LENGTH,**

**No. 192 FRONT ST., NEW YORK.**

---

**FACTORY, BROOKLYN, E. D.**



Bridge No 31.

# THE PITTSBURGH VINEGAR WORKS.

ESTABLISHED 1847.

---

BALLOU & ADAMS,

Nos. 167, 168, 169 & 170 SECOND AVENUE, PITTSBURGH, Pa.,

Are prepared to furnish VINEGAR at the lowest market rates.

All VINEGAR Sold is warranted to Pickle or Preserve, and is of Extra Strength.

WE ALSO CALL ATTENTION TO OUR  
DOUBLE STRENGTH WINE VINEGAR,  
EQUAL TO ANY IMPORTED.

---

SEND FOR PRICE LIST.



Entrance to Black Hills

**DE HAVEN & BROTHER,  
BANKERS,**

**AND DEALERS IN**

**GOVERNMENT SECURITIES,**

**UNION AND CENTRAL PACIFIC RAILROAD FIRST MORTGAGE BONDS,**

**No. 40 SOUTH THIRD ST., PHILADELPHIA,**

**BUY, SELL AND EXCHANGE ALL ISSUES OF U. S. BONDS ON THE MOST LIBERAL TERMS.**

**GOLD Bought and Sold at Market Rates,**

**Coupons Cashed, Stocks Bought and Sold on Commission only,**

**Accounts Received and Interest allowed on daily balances subject to Check at Sight.**



Devil's Gate Bridge

MARVIN & CO.

ALUM

AND

DRY PLASTER,

FIRE

AND

BURGLAR



SAFES,

BANK VAULTS, VAULT DOORS, COMBINATION LOCKS,

WAREHOUSES,

265 Broadway, N. Y.

721 Chestnut St., Phila.

108 Bank St., Cleveland, O.



#### SOURCE OF THE LARAMIE RIVER.

This river has its rise eighty miles south of Laramie City, in the very heart of the Laramie Mountains. Along its banks innumerable quantities of cottonwood trees are growing. On the rich bottom lands a luxurious growth of wild grass and flowers form a complete mass of vegetation, over which herds of antelope and other wild game wander at will. They fear not the sight of man, the hunter's rifle only causing the affrighted animals to flee.

# NATURE'S GREAT RESTORER!

## SCHEETZ'S CELEBRATED BITTER CORDIAL!

### STRONG TESTIMONIAL FROM FIRE-MARSHAL BLACKBURN.

Philadelphia, March 10th, 1868.

JACOB SCHEETZ, Esq.—My Dear Sir: Some eight months ago, when suffering from great nervous prostration, the result of exposure and overtired energies, I was induced by you (an old friend) to take as a Tonic your celebrated Bitter Cordial; and so agreeably surprising have been its beneficial effects, that I cannot refrain from thus bearing testimony in its favor. As a beverage, it is as pleasant and delightful as a glass of rich dark-brown Sherry; as an appetizer before meals, perfectly magical, and as a digester of food, the most potent compound I ever knew. Altogether, I consider it one of the happiest combinations of medicinal herbs ever offered to the public as a curative. I most cheerfully and confidently recommend it to every sufferer from Debility, Dyspepsia and Rheumatism. As a substitute for the villainous alcoholic and vinous concoctions imbibed at so many of the public bars of the present day, it must also prove a blessing. Very truly yours,

ALEXANDER W. BLACKBURN,  
Fire-Marshall.

Allentown, May 24th, 1869.

JACOB SCHEETZ.—Dear Sir: Your "Bitter Cordial" has proved so effectual in restoring my wife's health that I wish all persons afflicted in a similar manner could be induced to try it. Her's was an attack of acute rheumatism, lasting about eighteen months. The first four months she was helpless as an infant, and the next ten months a cripple, able to walk but little with the aid of crutches, and only those acquainted with the disease had an adequate idea of the suffering consequent upon such an attack. Soon after taking your "Bitter Cordial" there was a change in her case for the better, but most perceptible in the growing strength of her nervous system. The improvement continued gradually but permanently. In my own case, I have found nothing equal to your "Bitter Cordial" for Dyspepsia and a low state of the system. You are at liberty to use this statement if you wish to do so.

Yours truly,  
HENRY COLT.

Cumberland Iron Works, Tenn., Oct. 12th, 1869.

JACOB SCHEETZ, M. D.—Dear Sir: This is to certify that I have been having the Chills for the last twelve months. I tried all medicines recommended to me for the disease, without receiving any benefit. Having heard Scheetz's Bitters highly spoken of, I procured a bottle, and finding some relief, I continued it until I am happy to say that I am completely well. I not only consider the Bitters a sovereign remedy for chills, but I believe it a preventive, and cheerfully recommend it to the afflicted.

Yours very truly,  
MOLLIE HART.

It is a reliable Family Medicine, and can be taken by either infant or adult with the same beneficial results. It is a certain, prompt and speedy remedy for Diarrhea, Dysentery, Bowel Complaint, Dyspepsia, Lowness of Spirits, Faintings, Sick Stomach, Headache, &c. For Chills and Fevers of all kinds, it is far better and safer than Quinine, without any of its pernicious effects. It creates an appetite, proves a powerful digestor of food, and will counteract the effects of liquor in a few minutes. As indisputable evidence of its medical properties, we append a few of the many certificates in our possession.

### Read the Certificates of Cures, each one attested by the name and residence of the best citizens in Philadelphia:

Philadelphia, April 12th, 1868.

JACOB SCHEETZ, Esq.—Dear Sir: It gives me pleasure to bear testimony to the efficacy of "Scheetz's Celebrated Bitter Cordial." My daughter, who has been afflicted for the last two years with Indigestion and Dyspepsia, for which she has the services of medical skill, and also tried the various remedies without avail, was at last induced to try your "Celebrated Bitter Cordial," and I am happy to say her health has been entirely restored by its use. I would therefore recommend it to others suffering from the same cause, as I believe it to be an invaluable remedy in such cases. Very respectfully,

R. W. EASTLACK, 236 Greene St.

MR. J. SCHEETZ.—Sir: I feel as if I would be doing you a great injustice were I to fail in giving my testimony to the curative power of your "Celebrated Bitter Cordial." I had suffered with a dreadful cough for several years, and that, in connection with Fever and Diarrhoea, so completely prostrated me that I almost despaired of life. I had used a great many of the talked of cures, consulted the profession South and West, but without relief, and knowing I must soon die unless a remedy could be found, I was advised to try your "Bitter Cordial," which I did, and before I used two bottles my cough stopped, my color returned, and I am now entirely relieved of all my ailments.

HANNAH A. DONALD.

Johnson's Depot, East Tenn., and Va. R. R., Tenn.  
MR. SCHEETZ: I have used the Bitters I obtained from you, and find them to be all they are recommended to be. I found one bottle to afford me considerable relief. I feel as though I cannot do very well without them, under my present state of health.

D. MENIGE, No. 144 South Sixth St., Phila.,  
Pastor Baptist Passayunk Church.

MR. JACOB SCHEETZ.—Sir: I cannot refrain from expressing my entire confidence in the curative powers of your "Celebrated Bitter Cordial." I administered it to my child eighteen months old, for Bowel Complaint; to my neighbors' children for pains in the stomach and other ailments; to my adult friends for diarrhoea, with astonishing cures. I was dreadfully paralyzed, and for two years suffered severely with Rheumatism. After using all the talked of cures without relief, and becoming satisfied that the kidneys is the seat from which Rheumatism emanates, I made a firm stand against all liquors, particularly malt, and used your renowned Herb or Bitter Cordial exclusively. The result is, I have had no Rheumatism during the winter last past, notwithstanding its severity and many changes.

P. HINKLE, JR.

It gives me pleasure to certify that Mr. Scheetz's Bitter Cordial, in my opinion, is purely vegetable in its constitution, and an excellent tonic, being harmless in its character, and not being an alcoholic stimulant.

ELE STOCKTON, M. D.

MR. JACOB SCHEETZ.—Sir: I suffered for over two years from Dyspepsia, with a sense of suffocation and severe pain after eating, and although I tried various remedies, and took medical advice, yet I found no relief until I tried your "Celebrated Bitter Cordial," which acted like magic upon my system, and before I had used one bottle, I found myself entirely cured, and have not had any return of the complaint since. I can therefore recommend it as an invaluable remedy to those afflicted in the same way.

JOHN SNETHEN.

Superintendent of Franklin Square—Residence 109 North Seventh St.

Philadelphia, March 28th, 1867.

MR. SCHEETZ.—Dear Sir: I have used your bitters, and seen them used by others, with good effect, and in no case without producing good results. In one case a fellow workman was taken with vomiting and purging, and was so reduced that he was scarcely able to walk. I got your Bitters, and gave him three doses in one hour, which entirely cured him.

THOS. BROWN,

1504 Otis St., 18th Ward.

JACOB SCHEETZ.—Dear Sir: I have been afflicted for the last ten years with the Rheumatism and Gout. Your Bitters was recommended to me. I have used it, and am glad to say it has effected a perfect cure in a very short time. Therefore I recommend it to all persons afflicted with the same diseases. I consider it the best cure in use for any disease the human body is subject to.

E. DE YOUNG.

Philadelphia, February 17th, 1868.

JACOB SCHEETZ, Esq.—Dear Sir: At the instance of my husband, I was induced to try your Bitter Cordial for that distressing complaint, Dyspepsia, from which I have suffered for years. It affords me pleasure, and in justice to you, to state that, after using the contents of one bottle, my health has been entirely restored. I cheerfully recommend it to those afflicted similarly.

Very respectfully yours, &c.,  
R. M. THOMAS,  
1617 Park Avenue.

MR. JACOB SCHEETZ.—Dear Sir: It affords me much pleasure to inform you, that, after suffering for fifteen months with Chills and Fever, I was induced to use your justly Celebrated Bitter Cordial, which effected a permanent cure; only used one half pint last August, and had not a Chill since. You are at liberty to use this as you please.

Jan. 15, 1868.  
DANIEL S. GRICE, 456 Franklin St., Phila.

Philadelphia, February 10th, 1868.

Dear Sir: This is to certify that I have been intimately acquainted with Scheetz's Celebrated Bitter Cordial for the past four years, and have seen its effects in Dyspepsia, Nervous Diseases, Rheumatism, and all the various forms of General Debility tending to decline; and, from my knowledge of said Bitters, I have no hesitation in pronouncing them the best General Remedy for the above diseases that is now known. You may use this in any way you desire.

WM. CLARK, M. D., 816 Market St., and N. E. cor. 6th and Callowhill.

Wholesale Depot, Northwest Cor. Fifth and Race Streets, Philadelphia.

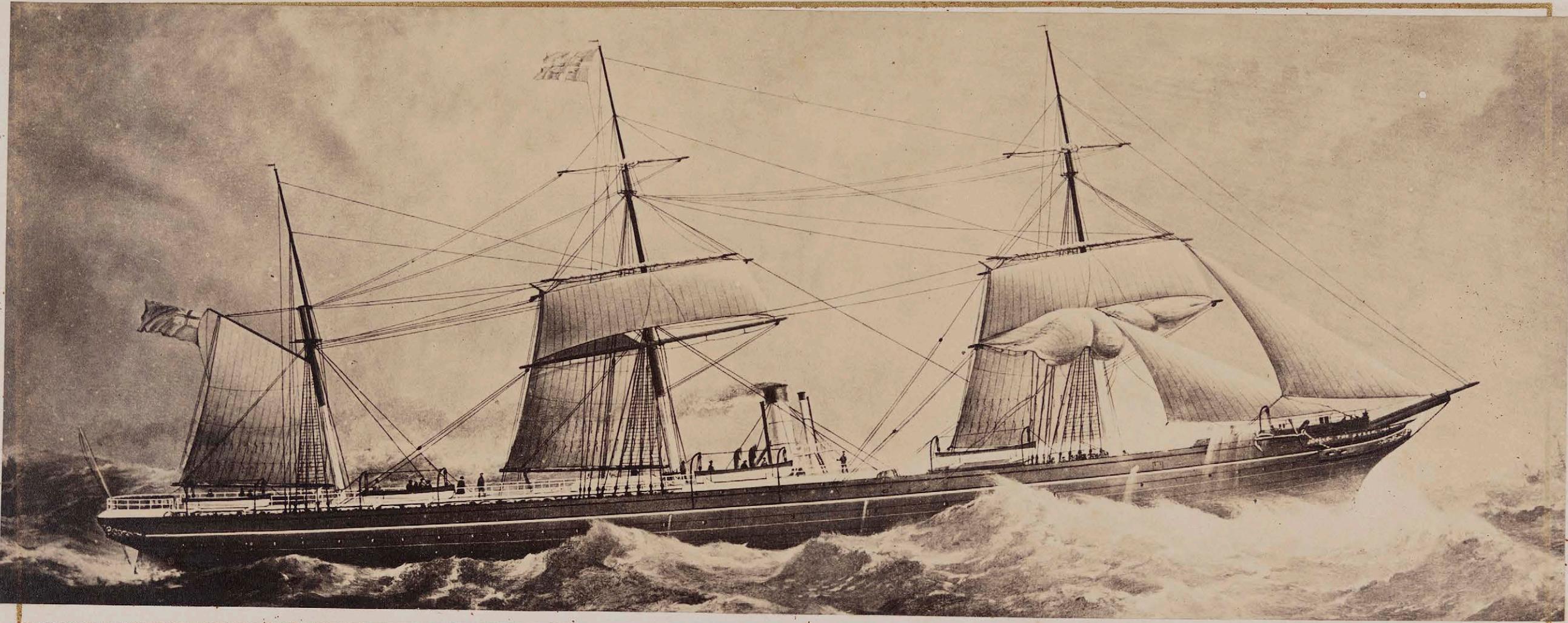


(See Advertisement Opposite.)

# NATIONAL LINE.

Steamers, Weekly, between New York & Liverpool, calling at Queenstown,

SPAIN,	Building.
EGYPT,	"
HOLLAND,	"
ITALY,	4,200 tons.
FRANCE,	3,540 "
DENMARK,	3,117 "



ENGLAND,	3,450 tons.
THE QUEEN,	3,517 "
HELVETIA,	3,315 "
ERIN,	3,312 "
VIRGINIA,	2,875 "
PENNSYLVANIA,	2,872 "

## RATES OF PASSAGE, PAYABLE IN CURRENCY:

### CABIN,

To LIVERPOOL or QUEENSTOWN, \$80 and 100  
RETURN TICKETS, - - - - - 155 " 180  
PREPAID from LIVERPOOL, - - 90 " 100

### STEERAGE,

To LIVERPOOL or QUEENSTOWN, \$30  
From " " 37

Tickets to and from Hamburg, Antwerp, Paris, Havre, Rotterdam, Copenhagen, &c., at lowest rates.

For further information apply at the Office of the Company,

No. 69 BROADWAY, NEW YORK.

F. W. J. HURST, Manager.



Officials at the Junction  
↑ G. C. C. & S. M. Morris Maxwell  
El Paso, Tex., 1882

1870.

# CUNARD LINE.

1870.

BRITISH AND NORTH AMERICAN ROYAL MAIL STEAM SHIPS,  
BETWEEN NEW YORK AND LIVERPOOL,  
CALLING AT CORK HARBOUR FROM EACH PORT THREE TIMES EVERY WEEK.

Abyssinia, China,  
Algeria, Cuba,  
Aleppo, Hecla,  
Atlas, Java,  
Batavia, Kedar,  
Calabria, Malta,

Marathon, Samaria,  
Morocco, Scotia,  
Olympus, Siberia,  
Palestine, Sidon,  
Palmyra, Tarifa,  
Russia, Tripoli.



CUNARD ROYAL MAIL STEAMSHIP "RUSSIA."

## RATES FOR CABIN PASSAGE.

IN STEAMERS NOT CARRYING STEERAGE.

From NEW YORK to LIVERPOOL, 1st Class, \$130 00 Gold.  
" " 2d " 80 00 "

From LIVERPOOL to NEW YORK, 1st " £26  
" " 2d " 18

IN STEAMERS CARRYING STEERAGE.

From NEW YORK to LIVERPOOL, 1st Class, \$80 Gold.

From LIVERPOOL to NEW YORK, 15, 17 and 21 Guineas.

FOR FREIGHTS OR PASSAGE APPLY TO

D. & C. MAC IVER, Liverpool and Queenstown.

CHAS. G. FRANCKLYN, 4 Bowling Green, New York.



DEVIL'S GATE, WEBER CANON.

The Weber River at this point breaks through the Wasatch Mountain range, and enters Great Salt Lake Valley. The bluffs are nearly two thousand feet in height.

1870.

# INMAN LINE.

1870.

LIVERPOOL, NEW YORK & PHILADELPHIA STEAMSHIP CO.

Between NEW YORK & LIVERPOOL, calling at QUEENSTOWN, sailing Twice a Week from each Port.

City of Brussels,

" Paris,

" Brooklyn,

" Antwerp,

" London,

" Boston,

" Baltimore,

" Washington,



ROYAL MAIL S.S. "CITY OF BRUSSELS."

City of New York,

" Manchester,

" Dublin,

" Cork,

" Limerick,

" Halifax,

" Durham,

Etna.

## RATES OF CABIN PASSAGE.

By Steamer, sailing every Saturday.

From NEW YORK to LIVERPOOL,	\$100 gold.
" " " LONDON,	105 "
" " " PARIS,	115 "

By Steamer, sailing alternate Tuesdays,

CALLING AT HALIFAX.	
From NEW YORK to LIVERPOOL,	\$80 gold.
" " " HALIFAX,	20 "
" " " ST. JOHNS, NEWFOUNDLAND,	40 "

## FROM LIVERPOOL OR QUEENSTOWN.

To HALIFAX, BOSTON or NEW YORK, \$75 and \$100 gold.

ROUND TRIP TICKETS ISSUED AT VERY LOW RATES.

WM. INMAN, Agent, Tower Buildings, Liverpool.

JOHN G. DALE, Agent, 15 Broadway, New York.



Palisades, Green River

# ILLINOIS CENTRAL RAILROAD.

## Illinois Central Railroad.

Passenger Trains leave CHICAGO from the GREAT CENTRAL DEPOT, foot of LAKE STREET.

### CHICAGO AND ST. LOUIS THROUGH LINE.

Two Daily Express Trains leave Chicago; Morning Express (Daily except Sundays); Night Express (Daily except Saturdays), running through from

### Chicago to St. Louis without Change of Cars,

connecting at St Louis, for Kansas City, Leavenworth, St Joseph, Atchison, Topeka, Lawrence, and all parts of Missouri and Kansas.

TIME as QUICK and FARE as LOW as by any other Route.

### CAIRO, MEMPHIS & NEW ORLEANS LINE.

TWO DAILY EXPRESS TRAINS leave CHICAGO; Morning Express (Daily except Sundays); Night Express (Daily except Saturday) running through from

### CHICAGO TO CAIRO WITHOUT CHANGE OF CARS,

connecting, at Cairo, for Humboldt, Jackson, Corinth, Grand Junction, Grenada, Canton, Columbus, Meridian, Jackson, Miss., Vicksburg, Selma,

### MEMPHIS, NEW ORLEANS AND MOBILE.

This is the only Direct Route to the South, being from 100 to 150 miles shorter, and from 12 to 24 hours quicker, than any other.

### PEORIA AND KEOKUK LINE.

TWO DAILY EXPRESS TRAINS leave CHICAGO, Morning and Evening (Sundays excepted) for CHENGA, EL PASO, PEORIA, CANTON, BUSHNELL, HAMILTON, WARSAW and KEOKUK.

Sleeping Cars Run Through from Chicago to Peoria and Keokuk.

### ELEGANT DRAWING ROOM SLEEPING CARS ON ALL NIGHT TRAINS.

Baggage Checked Through to all important points.

For THROUGH TICKETS, SLEEPING CAR BERTHS, BAGGAGE CHECKS, and information, apply at the GREAT CENTRAL DEPOT, foot of LAKE STREET.

W. P. JOHNSON,

General Passenger Agent.

M. HUGHITT,

General Superintendent.

### NORTH via CAIRO and the ILLINOIS CENTRAL RAILROAD.

#### CAIRO AND CHICAGO LINE.

TWO DAILY EXPRESS TRAINS leave CAIRO; Morning Express (daily Sundays excepted); Evening Express (daily Saturdays excepted), on arrival of Trains from Memphis, New Orleans and Mobile, and Intermediate Points.

#### Cairo to Chicago without Change of Cars,

connecting at CHICAGO with THROUGH TRAINS to Detroit, Cleveland, Buffalo, Niagara Falls, Pittsburgh, Philadelphia, Montreal, Quebec, Milwaukee, Madison, Janesville, La Crosse, St. Paul, Lake Superior,

#### NEW YORK, BOSTON,

and all Northern and Eastern Cities.

Direct connections are also made with Lines Crossing the Illinois Central Railroad for Vincennes, Evansville, Terre Haute, Indianapolis, Dayton, Columbus,

#### CINCINNATI, LOUISVILLE.

and all Intermediate Points.

These Trains also connect at Centralia with Trains on North Division of Illinois Central Railroad for Peoria, Decatur, Springfield, Keokuk, Quincy, Bloomington, Peoria, La Salle, Rock Island, Mendota, Burlington, Dixon, Freeport, Galena, Dubuque, Omaha and all parts of Illinois and Iowa.

This is the only Direct Route from the South to Chicago, and all Points North and East via Chicago, it being from 100 to 150 miles the Shortest, and from 12 to 24 hours the Quickest.

#### ONLY ONE CHANGE OF CARS FROM CHICAGO TO Buffalo, Niagara Falls, Pittsburgh, Philadelphia & New York.

#### CAIRO AND ST. LOUIS LINE.

TWO DAILY EXPRESS TRAINS leave CAIRO for St. Louis; Morning Express (daily Sundays excepted). This Train Runs Through to St. Louis without Change of Cars. Evening Express (daily), connecting at St. Louis for Kansas City, Leavenworth, St. Joseph, Lawrence and all parts of Missouri and Kansas.

#### ST. LOUIS AND CHICAGO THROUGH LINE.

TWO DAILY EXPRESS TRAINS leave ST. LOUIS, RUNNING THROUGH to CHICAGO WITHOUT CHANGE OF CARS.

#### ELEGANT DRAWING ROOM SLEEPING CARS ON ALL NIGHT TRAINS.

Baggage Checked Through to all important points.

For THROUGH TICKETS and information apply at the principal Railroad Offices throughout the South, and at the ILLINOIS CENTRAL RAILROAD DEPOT at CAIRO; also at 102 NORTH FOURTH STREET, ST. LOUIS.

W. P. JOHNSON,

General Passenger Agent.

M. HUGHITT,

General Superintendent.



#### CASTLE ROCK, GREEN RIVER VALLEY.

A high cliff standing in an isolated position, commanding from its top an extensive view up and down the river. It is capped with a hard brown stone, resting on shale of variegated colors, ranging from light and dark green to the different shades of gray and drab. This rock is nearly three hundred feet in height, and is a well-known landmark to the emigrants, who have in former times passed this way.

GREAT CENTRAL IOWA SHORT LINE ROUTE,  
VIA  
ROCK ISLAND,  
TO  
COUNCIL BLUFFS, OMAHA & SAN FRANCISCO.

THE  
CHICAGO, ROCK ISLAND & PACIFIC RAILROAD  
RUN TWO  
FAST EXPRESS TRAINS  
DAILY, SATURDAYS EXCEPTED,  
BETWEEN  
CHICAGO & OMAHA.

The Morning Express Train has an elegant  
PARLOR SLEEPING CAR  
ATTACHED,  
EXCLUSIVELY FOR THROUGH PASSENGERS  
AND LADIES TRAVELLING ALONE.

TO AVOID LONG, CIRCUITOUS ROUTES, CALL FOR THROUGH TICKETS

VIA  
ROCK ISLAND!  
AND TAKE NO OTHERS.

STEEL RAILS ARE NOW BEING LAID  
ON THIS MOST POPULAR ROUTE  
Between CHICAGO and the MISSOURI RIVER,  
MAKING IT  
The Smoothest and Safest Railway Track in the West,  
AND THE ONLY RELIABLE  
ROUTE TO CALIFORNIA!

THROUGH TICKETS

Can be purchased at all the Principal Railway Ticket Offices  
IN THE UNITED STATES AND CANADAS.

A. M. SMITH,  
General Passenger Agent.

HUGH RIDDLE,  
General Superintendent.



SNOW AND TIMBER LINE, LARAMIE MOUNTAINS.

This line is sixty miles south of Laramie City. The mountains are covered with eternal snow. Pine, balsam, tamarack, and cottonwood are found at this point.

N. HUGGINS, formerly of Manhattan Hotel.

S. J. HUGGINS, formerly of Lovejoy's Hotel.

# COSMOPOLITAN HOTEL,

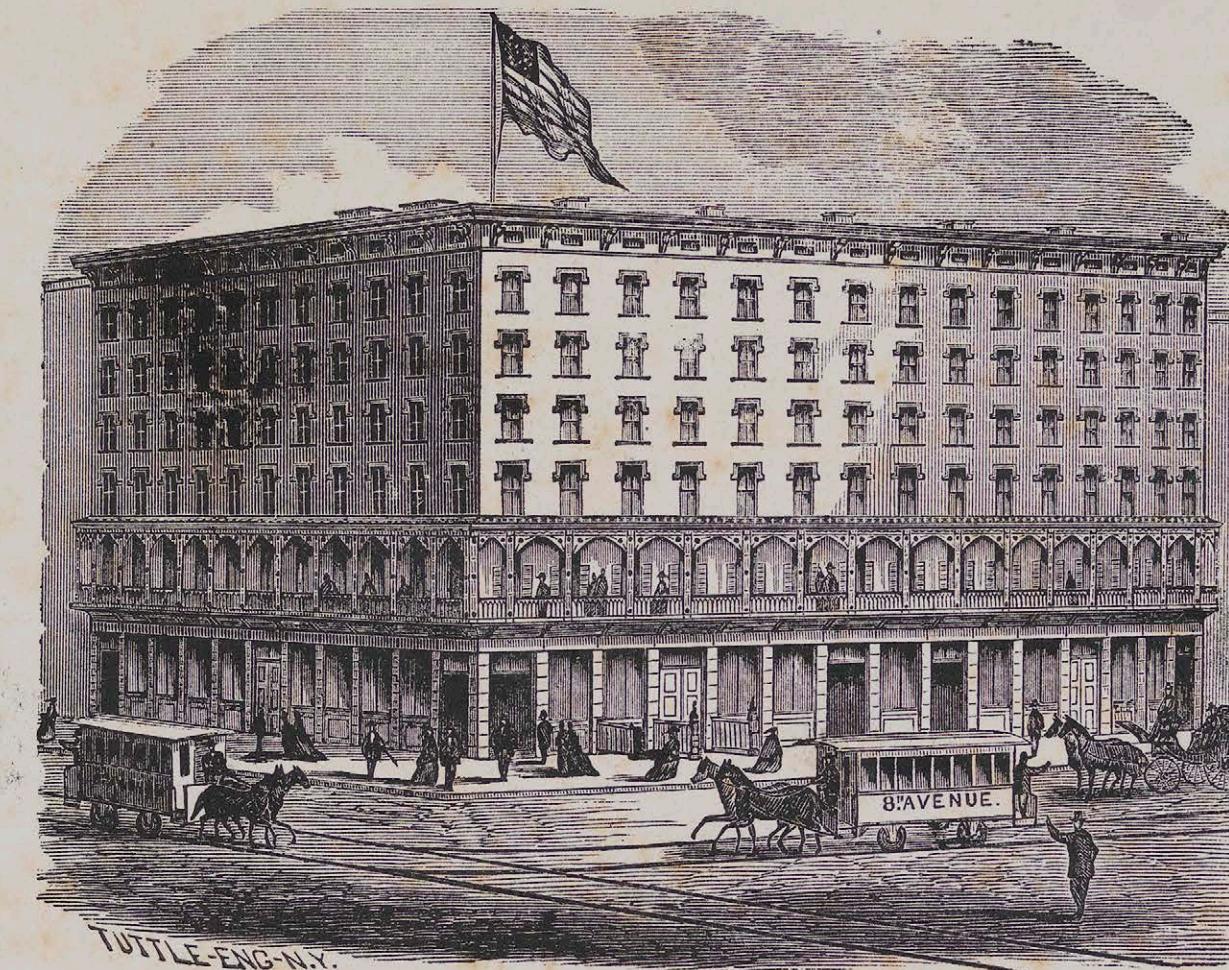
CORNER OF

CHAMBERS STREET &

NEW

WEST BROADWAY,

YORK.



This Hotel is built on the site of the old Girard House, corner of Chambers Street and West Broadway, New York City, and has ample accommodations for four hundred guests.

It is convenient to all the depots and steamboat landings, and also central to the business portion of the city and places of amusement. The principal city railways pass the door.

The Halls are spacious and airy, and the rooms have been arranged with especial attention to light and ventilation. They are warmed with steam in the most approved manner, are lighted by gas, and furnished with best English Brussels Carpets and Black Walnut Furniture from the best manufacturers.

An Otis Bro's. Elevator carries guests to every floor.

The Water Closets, on every floor, are lighted with gas, and thoroughly ventilated by an independent flue passing to the exterior of the house.

Each door has a Johnson's Patent Burglar Proof Lock, affording security to the property of guests, unsurpassed by any hotel in the city.

The Hotel is conducted on the European plan. There is a Lunch Counter on the West Broadway side, and Refectory for Ladies and Gentlemen, with entrance on Chambers street.

The House contains a Barber Shop, with range of Baths, a Telegraph Office, a Railroad Ticket Office, where tickets may be obtained at the same prices as at the depots, a Billiard Room, and a News Office, where reserved seats may be procured to all the theatres and places of Amusement.

The Baths for Ladies are on the second floor.

The office is open during the night, and guests will be received or called at any hour.

Families can be furnished with suites of spacious and convenient rooms.

The tables will be furnished with the best that the market affords, and at reasonable prices.

It is the aim of the Proprietors to furnish superior accommodations at moderate rates, and their well known experience, with the fact that they have purchased the fee-simple of the property and expended upon it a large sum of money, is a guarantee that they will spare no trouble to promote the comfort of all who patronize the house.

N. & S. J. HUGGINS, Proprietors.



ROCK GREAT EASTERN.

This rock derives its name from its faint resemblance to the bow of a huge ship, seemingly anchored across the pathway of the traveler.

## Maltby House, Baltimore, Md.

This Hotel being centrally located, and its CHARGES LOWER than any other first class Hotel in the City, makes it most desirable for persons visiting Baltimore on pleasure or business.



C. R. HOGAN, Proprietor.

Having been recently enlarged and refurnished, having at present ample accommodations for

300 GUESTS, being strictly modern in all its internal arrangements, surpassing in many respects any Hotel in the City.

## CITY HOTEL,

NEW ORLEANS,

R. S. MORSE, Proprietor.

## ST. JAMES HOTEL,

NEW ORLEANS,

R. S. MORSE, Proprietor.

## FORD'S HOTEL, RICHMOND, Va.

Situated in the Heart of the City, commanding the finest views, and adjoining the Capitol Square and Governor's Mansion.

This splendid NEW HOTEL—the only one situated in the fashionable portion of the City, and adjoining the beautiful CAPITOL PARK, with its Statuary, Monuments, Fountains and Flower Beds—is newly and elegantly furnished throughout, and its Bill of Fare is not excelled in quality and variety by any house in the State.

Special Suits of Rooms always ready for Wedding and large Traveling Parties. The arrangements are first-class in every respect. The price of Board has been fixed—owing to the great scarcity of money—at the reasonable sum of **\$2 50 PER DAY.**

The patronage of my friends, and the travelling public are invited to make FORD'S HOTEL their home.

A. J. FORD, Proprietor,

Late one of the Proprietors of the Exchange Hotel, Richmond, Va.

P. S.—My Coaches run to and from all Depots and Steamboat Landings.

## CITY HOTEL,

NASHVILLE, Tenn.

J. A. BUTTLE & CO., Proprietors.

## LOUISVILLE HOTEL,

Corner Main and Sixth Streets,

H. KEAN & CO., Proprietors,

LOUISVILLE, Ky.

## SCREVEN HOUSE,

SAVANNAH, Ga.,

THOS. S. NICKERSON, Proprietor.

## CHARLESTON HOTEL, MEETING ST., CHARLESTON, S. C.

This well known and popular First Class Hotel has recently been put in thorough repair, and newly furnished throughout, and the Proprietor will endeavor to maintain the high reputation enjoyed by the "Charleston" as a First Class House.

E. H. JACKSON, Proprietor.

## PAVILION HOTEL, CHARLESTON, S. C.

BOARD, PER DAY, \$3.00.

R. HAMILTON, Mrs. H. L. BUTTERFIELD,  
SUPERINTENDENT. PROPRIETRESS.

## PLANTER'S HOTEL, AUGUSTA, Geo.

This well known Hotel has been put in complete order in every department for the coming season.

Being, by far, the best Hotel in Augusta, and one of the best in the South, the Proprietor hopes, by strict and personal attention, he will merit a share of public patronage.

Gas being used all over the House, Bath Rooms, with Hot and Cold Water for Ladies' and Gentlemen, are also attached.

JOHN A. GOLDSTEIN, Proprietor.

D. COCKRELL & SONS, Proprietors.

## GULF CITY HOTEL,

Southeast cor. Water & Conti Sts.,

MOBILE, Ala.,

SAMUEL COWIN & SON, Proprietors.

## PALMETTO HOUSE, TREMONT ST., near STRAND, GALVESTON, TEXAS.

F. McDONNELL, Proprietor,

Formerly B. McDONNELL.

A Baggage Wagon is attached to the Hotel to Convey Baggage FREE OF CHARGE.



Devils Gate.

# FOUNTAIN HOTEL,

FORMERLY THE "NATIONAL,"



CAMDEN STREET, near Howard, BALTIMORE, Md.

A. B. MILLER, Proprietor,

Late of "Maltby" House.

## SPOTSWOOD HOTEL,

Corner Main and Eighth Streets,

RICHMOND, Va.

J. M. Sublett & C. B. Luck, W. B. Bishop,  
Formerly of Columbian Hotel. Late of Exchange Hotel.

## OVERTON HOTEL,

MEMPHIS, Tenn.,

S. B. ROBBINS & CO.

## PULASKI HOUSE,

Johnson Square, Savannah, Ga.

WILTBERGER & CARROL, Proprietors.

This popular House has been refitted and partially refurnished during  
the past summer, and is now prepared for the reception of guests.

## BATTLE HOUSE, MOBILE, ALABAMA.

This House is in most excellent order and condition, and is furnished  
with a corps of gentlemanly Clerks, and skillful, polite, and experienced  
Cooks and Servants; and, in all its appointments and management, will  
not be surpassed by any Hotel in the country.

JAS. H. DUVALL, Manager.

## ST. CHARLES HOTEL,

NEW ORLEANS, LA.

This Hotel has been painted and put in perfect order the past summer, and it is now open  
to its patrons and the public.

O. E. HALL, Proprietor.

## MILLS HOUSE,

CHARLESTON, S. C.

## COLUMBIA HOTEL,

COLUMBIA, S. C.

## GALT HOUSE,

LOUISVILLE, Ky.

JILSON P. JOHNSON, Manager.

## MAXWELL HOUSE,

NASHVILLE, Tenn.

M. KEAN & CO., Managers.



Western Approach to Dale Creek Bridge.



NO. 11 OLD SLIP, NEW YORK.

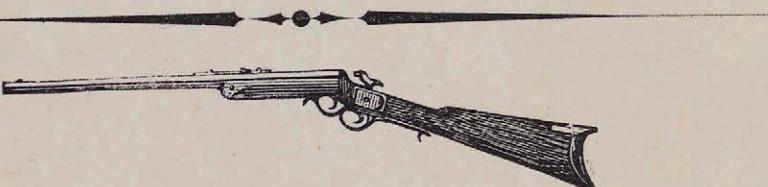
M. W. ROBINSON,  
SOLE AGENT,

**SMITH & WESSON'S REVOLVERS.**

METALLIC CARTRIDGES,

F. Wesson's Rifles, Pistols, &c.,

79 Chambers Street, New York.



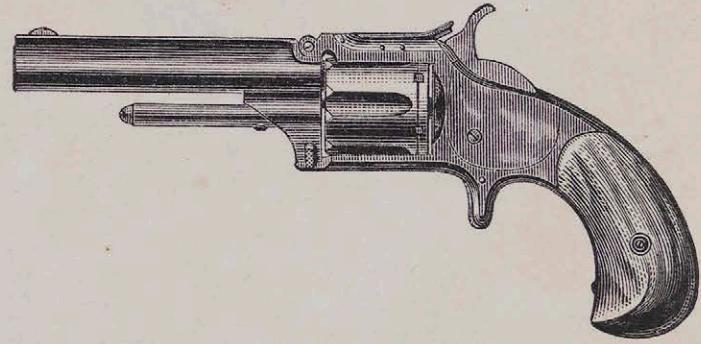
**Wesson's Improved Breech-Loading Rifle**

For GREAT FORCE, FACILITY OF LOADING and ACCURACY in shooting is justly pronounced the Best Rifle yet constructed.  
Calibre, 22, 32, 38 and 44.  
Length of Barrel, 24, 26, 28 and 30 inches.

**HALL & HUBBARD'S CARTRIDGES.**

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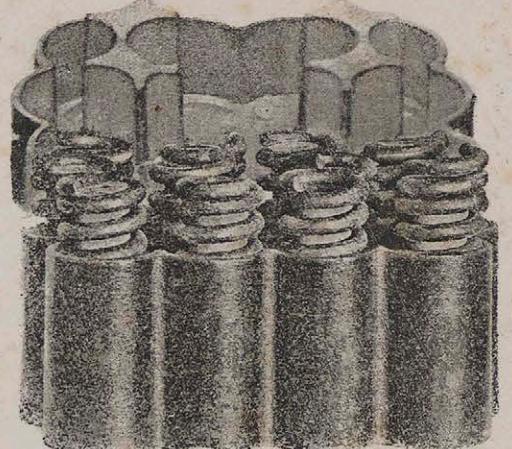
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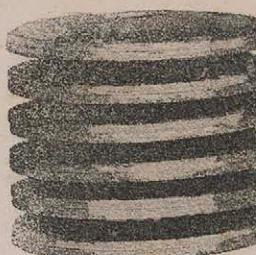
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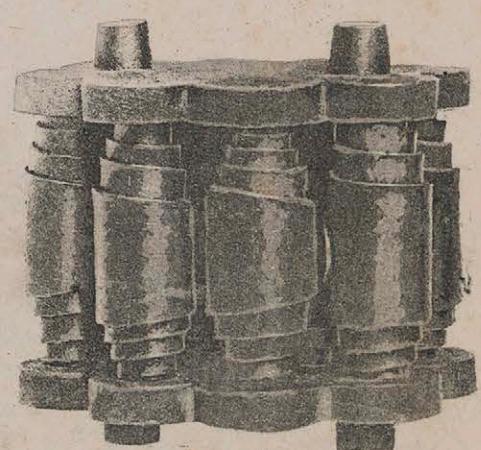
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