

THE Referee.

AND
CYCLE-TRADE-JOURNAL.

A Weekly Record and Review of Cycling and the Cycle Trade

No. 15

CHICAGO AND NEW YORK, AUGUST 12, 1892.

\$2 Per Year

Columbia,

11

World's Record for the Mile.



RIDER --- George F. Taylor.

TRACK --- Hampden Park, Springfield, Mass.

DATE --- August 3rd, 1892.

WHEEL---Columbia with Columbia Pneumatic Tires.

Taylor first lowered the 2:15 record (made by Willie Windle on a Columbia) to 2:14 1-5. Then his own by 3 1-5 seconds, making the one mile world's record 2:11.

The fastest riders ride the fastest wheels ; Taylor rides a Columbia.

BOSTON. NEW YORK. POPE MFG. CO. CHICAGO. HARTFORD.

LOOKING BACKWARD.

Is what riders of the 2:10 are accustomed to do when they want to see the rest of the crowd.

THE natural tendency of the 2:10 is to come to the front. You are not tied down to one style of tire, but have four of the BEST to choose from. Everyone knows of the strength and speed of UNION wheels. If you want your speed developed you should have one. There is no excuse for your not being a flyer if you choose.

UNION CYCLE MFG. CO.,

166-170 Columbus Ave., BOSTON, MASS.

P. S.—YOU CAN'T BREAK THE 2:10.

TL 1. R 33



THE OWL(D) RELIABLE.

THE PILGRIM.

We have never sacrificed
Strength for lightness, and while

THE PILGRIM

Is not a heavy wheel,
We guarantee you cannot break
It with any ordinary use.

It is built for Service.

Send for
Catalogue.



WARWICK CYCLE MFG. CO., Springfield, Mass.

THE STERLING— —CORRUGATED HUB



Combining the best of the two styles
of construction, known as DIRECT
and TANGENT SPOKES



DIRECT TANGENT SPOKE.



The object of this method will be
appreciated at a glance, as we secure all
the advantages of the Direct as well as
the Tangent form, and do not have to
disturb the fibre of the spoke by either
hot or cold bending.



CHAS. F. STOKES MFG CO.,
293 Wabash Ave., Chicago.

BRANCHES, DENVER,
MILWAUKEE,
CHICAGO.



REFORM RACER

REFORM CYCLES

WRITE TO THE
T. D. GANSE CYCLE COMPANY,
508 STATE STREET, CHICAGO
FOR PRICES. THESE WHEELS ARE IN IT.

Flavell & Company, Coventry, England.

THE Referee.

AND
CYCLE-TRADE JOURNAL.

A Weekly Record and Review of Cycling and the Cycle Trade.

VOL. 9, No. 15.

CHICAGO and NEW YORK, AUGUST 12, 1892.

\$2 PER YEAR.

"STAR" CYCLES. "STAR" CYCLES.

Manufactured by SHARRATT & LISLE.

WRITE FOR ILLUSTRATED CATALOGUE.

• • • • •

R 33 Fitted with Solid, Cushion or Pneumatic Tires.



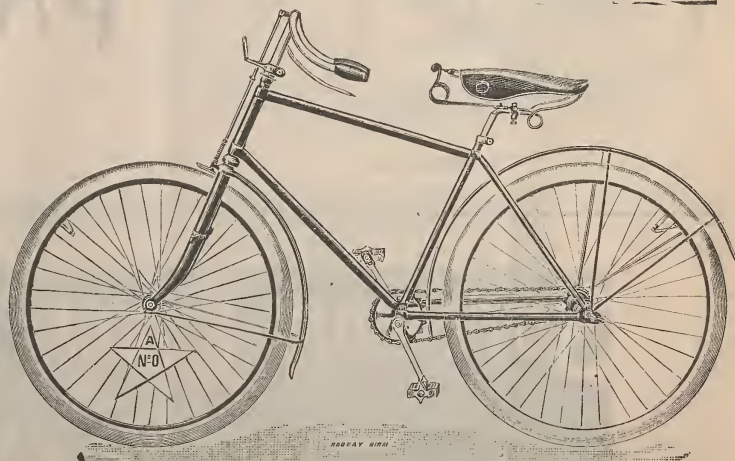
Light Roadster, Weight 31 lbs.



No. 1 "Star."



No. 3 A "Star."



No. 0 A "Star."

All the "STARS" are made of Weldless Steel Tubes and Steel Stampings.

The Very Best Machines Extant.

Sole Agents for Chicago, SPOONER-PETERSON CO., Madison St.

eow

STAR CYCLE WORKS, WOLVERHAMPTON, ENG

A MAN TOLD US THAT

TL 4000
R5
The Liberty

was a "paloolahcooler." We don't know what he meant, but he gave us his order for a ladies' Liberty for his wife, just the same.

Wilson, Myers & Co., Makers of Liberty Cycles.

Offices, 55 Liberty Street, } NEW YORK.
and 1786 Broadway, }

SOUND, FAST and SMART.

PULLINGER & CO.,

Hereford Place, New Cross, LONDON, S. E.

WRITE FOR A LIST. _____

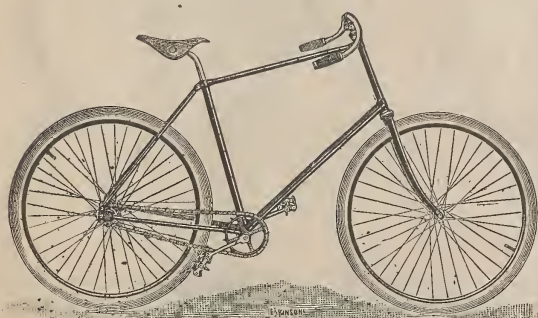
PARADE CYCLES

"A Good Wine Needs no Bush."
Neither do the "PARADE" CYCLES.

AGENTS FOR EASTERN STATES:

Messrs. DEAN & ROGERS,

CITY SQUARE, TAUNTON, MASS.



MODEL B.

SUPERIOR CYCLE BAKING ENAMELS

MANUFACTURED BY

STANDARD VARNISH WORKS,

CHICAGO,

139 LAKE STREET.

NEW YORK,

207 AVENUE D.

LONDON,

35 GT ST HELENS, BISHOPSGATE.

We make the best cycle enamels in the market in point of lustre, elasticity, toughness and durability. Are used by many of the leading Cycle Manufacturers in this country and Europe. Send for samples and particulars.

ew

The Credenda
... GOOD AS GOLD. ...
Cushion Tires \$90.
Pneumatic \$120.

Art Catalogue Free.
For Sale by all Victor Agents.
MANUFACTURED BY
A. G. Spalding & Bros. Chicago - New York - Phila.



BUFFALO WHEEL CO.,

HAVE YOU SEEN
THE NIAGARA
ROAD RACER?

To See it is to be Convinced
That it is the Finest on the Market.

BUFFALO, N. Y.

For a silvery
white deposit of
nickel, use our
Pure Anodes
and Salts.
French,
American,
Plain Spanish,
Felt, Wheels, or
in Sheets.
Muslin Buffs.

NICKEL

HERCULES DYNAMOS AND MOTORS
FOR LIGHT AND POWER.
AMERICAN GIANT DYNAMO
FOR ELECTROPLATING
AND ELECTROTYPING.

**ZUCKER & LEVETT
CHEMICAL CO.**

Works, FLUSHING, L. I.

PLATING

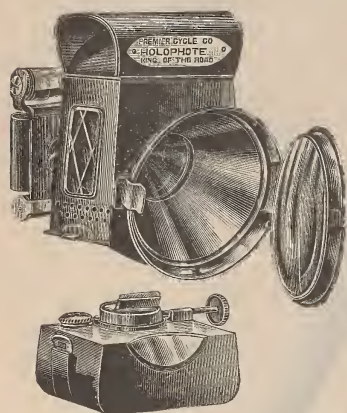
OFFICES,
10, 12 & 14 Grand St.
(Bet. Varick and Sullivan Sts.),
NEW YORK, U.S.A.

SEND FOR CATALOGUE OF
**NICKEL & ELECTROPLATING
SUPPLIES & POLISHING MATERIALS**

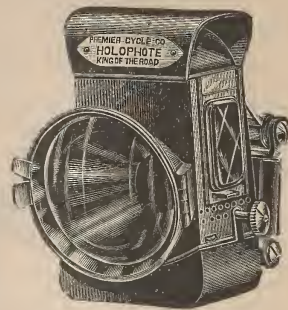
OUTFITS.

Walrus Leather
in wheels or
hides, Oak
tanned Leather
covered wheels.
C. P. Cyanide
of Potassium.
Fused Cyanide
of Potassium.
Roughes Com-
positions.
Tripoli Compo-
sitions
Buffing Lathes.

DEALERS



SEND YOUR
TRADE CARD
FOR _____

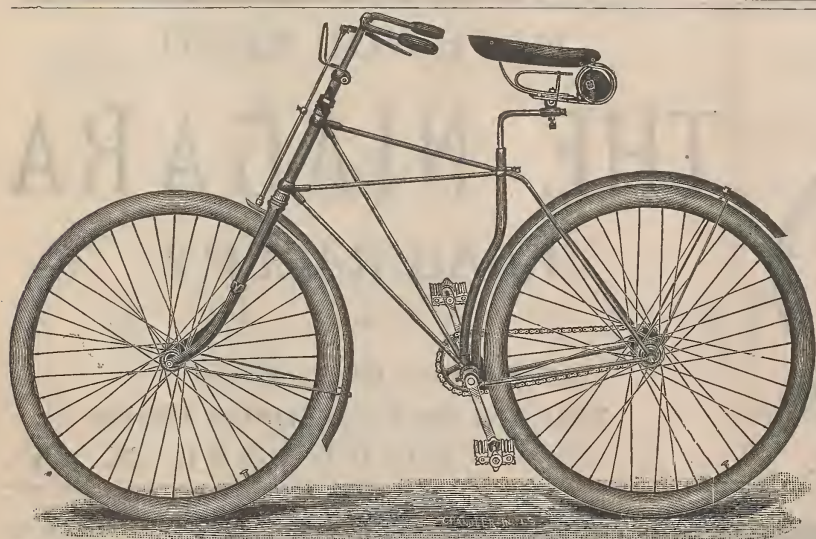


Photographs of NEW PATTERN LENS LAMPS.

...FINEST IN THE WORLD...

*Discount Sheet on Application.
Free Supply of "Wrinkles
For Riders" with your first order.*

PREMIER CYCLE COMPANY, 844-846 Eighth Ave., New York.



The PLANET

IS SECOND TO NONE.

IS KNOWN AS THE POPULAR WHEEL.

Did You Hear What Was Said?

One says to a friend: "I am exceedingly pleased with my new PLANET wheel. I have ridden several other wheels since you were here, but nothing gives me entire satisfaction as the PLANET.

RANKS HIGH GRADE EQUAL TO ANY.

AGENTS WANTED.

CATALOGUES FREE.

STANDARD MFG. CO.,
INDIANAPOLIS, IND.



WORLDS' RECORDS

ON A

...PEREGRINE...

By MR. T. A. EDGE.

Land's End to John O'Groate's, 874 miles, in 4 days, 40 minutes, beating Mr. G. P. Mills' record by 10 1-2 hours.

1,000 miles in 5 days, 11 hours, 38 minutes.

Edinburgh to Liverpool, 15 hours, 54 minutes, by Mr. B. H. Carlisle.

The above World's Records are the most recent successes this year obtained by riders of the "Peregrine," and are the most meritorious performances on any machine.

MAKERS,

LEICESTER CYCLE CO.,

FRIDAY STREET, LEICESTER, ENGLAND.

VON LENDERKE & DETNOLD, 8 Murray St., N. Y.
AMERICAN AGTS.

Agents wanted where not represented.

No Terror Now! THE SILVERTOWN

English Patent No. 1015, Jan., '91
Am. Pat. No. 452,876, May 26, '91

"CLOSURE" ..TYRE..

.....*REPAIRS ITSELF*.....

No Solutioning.

No Stitching.

No Trouble.

NO REPAIRING OUTFITS.

No Long Delays.

No Railway Journeys.

No Weary Tramps.

SO PERFECT, YET SO SIMPLE!

IMPORTANT! See that every tyre is stamped Silvertown "Closure" with date of patent.

For Descriptive Pamphlet and Full Particulars Apply to

THE INDIA RUBBER, GUTTA PERCHA AND TELEGRAPH WORKS COMPANY, LTD.,

Works: Silvertown, London, E., and Persan Beaumont, France. Head Offices: 106
Cannon Street, London, E. C. Cable Address: Graysilver, London.



ARIEL RACER.

THE ARIEL

Have you seen the new ARIEL RACER?
Weight 26 to 28 pounds. It's a dandy!

LOOK OUT FOR THE **ARIEL GEARED ORDINARY.**

The Ariels are up with the times. You notice of course that the "Reform" is winning all along the line.

Send for Cat. and List of Special Bargains.

T. D. GANSE CYCLE CO.,

SHOW ROOM, 277 and 279 WABASH AVENUE,
MAIN OFFICE and WAREHOUSE, 508 STATE STREET,

CHICAGO.

THE QUINTON FITTINGS COMPANY, Coventry, England,

are prepared to give estimates on Large and Small Quantities of

CYCLE FITTINGS,

Hubs, Cranks, Brackets, Sprocket Wheels, Weldless Tubing, Fork Blades, Chain Roller and Humber Pattern, Cycle Cement, Spokes, and all Component Parts of Cycles.

Apply at once for Estimates and send Sample Order.

HIGHEST QUALITY ONLY.

THE QUINTON FITTINGS COMPANY, Coventry, England.

LEADBEATER & SCOTT,

SHEFFIELD, ENGLAND.

HUMBER CYCLE CO.,

HORACE BELL, Manager.

285 WABASH AVE.

CHICAGO, ILL.

HUMBER & CO.
LIMITED.

Beeston Notts, England.

27-11-91.

To Messrs. LEADBEATER & SCOTT,

Sheffield, England.

Dear Sirs:---

I have delayed replying to your enquiry until I could ascertain that the Spokes referred to in the above advertisement were really your make. I find the spokes in the damaged wheel were supplied by your Firm, Leadbeater & Scott.

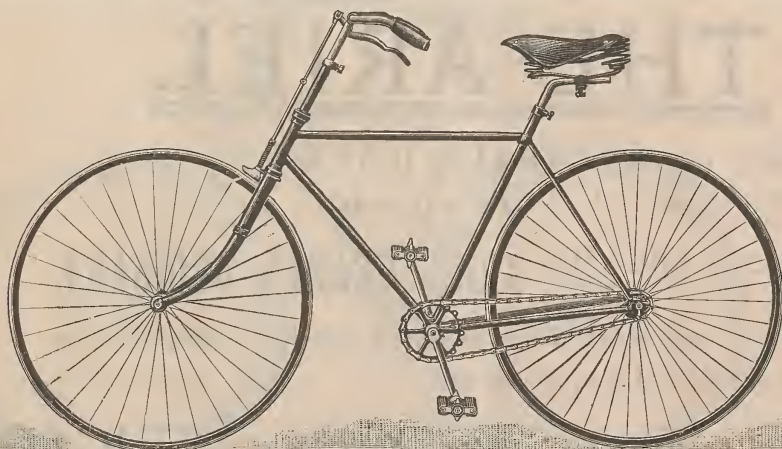
Yours faithfully,

D. W. BASSETT.

WORKS MANAGER

SEE FUTURE ADVERTISEMENT.

THIS is a wheel from Walter Githen's HUMBER Bicycle, after a carriage ran over it. It was rebuilt and put into perfect running order without using as much as one new spoke. GOOD MATERIAL WILL TELL.



THE OVERSTONE::

Made by Loyd, Read & Co., Coventry, Eng.

Solid, Cushion or Pneumatic Tires.

Weight, Cushions, 37, 40, 45 lbs.

" Pneumatics, 38 lbs.

" Ladies' Cushion, 42 lbs.

Agents desirous of handling territory will please address

H. E. KYLE,

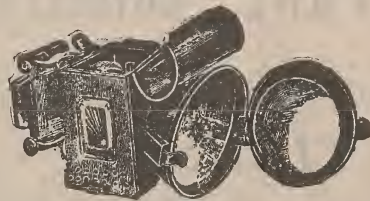
Care REFEREE, 334 Dearborn St. Chicago.

SAMUEL SNELL & CO.'S

HELIOTROPE SAFETY LAMP.



FIGURE VIEW



This cut shows Oil Container Detached.



This cut shows top of Lamp open.

The Great Light Giver.

Unique in Design.

Gives an Extraordinary Light.

POWERFUL LENS AND REFLECTORS. LARGE OIL CONTAINERS. ALL BEST MATERIAL AND WORKMANSHIP PUT IN. EVERY LENS PROPERLY FOCUSED.

Write for our 1892 Catalogue.

Sole Manufacturers, SAMUEL SNELL & CO., Toledo Works, Aston Brook St., Birmingham.

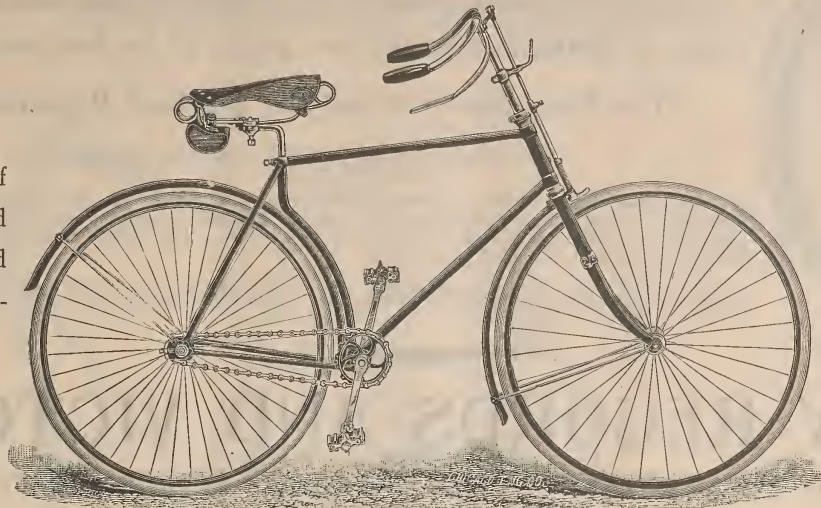
Manufacturers of Cycle Horns, Bells, Rims, Cement, Ball Hubs, etc. Write for prices. ENGLAND.

THE REFEREE.

WARMAN & HAZLEWOOD LTD

191 LAKE STREET, CHICAGO, ILLINOIS.

We carry a full line of all patterns of ladies' and gents' Safety Bicycles, and can supply at once on receipt of order.



We are sole agents for Foley & Webb's celebrated line of Saddles, which comprises the favorite combination three-coiled spring B 90.

No. 2 Coventry Cross.

We have in stock a full supply of parts to replace or repair any damage caused by accidents.

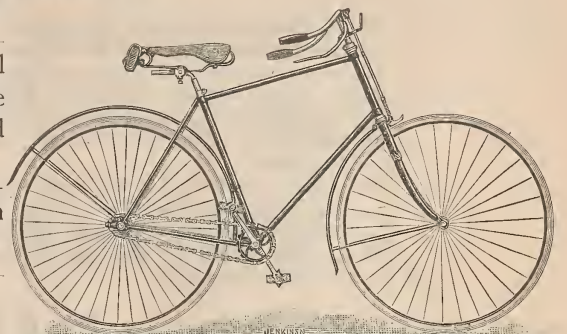
Price Lists free on application.

Western Agents.

Messrs. Horton, Gilmore, McWilliams & Co., Chicago, Ill.



No. 1 Coventry Cross.
(Racer.)



No. 12 Coventry Cross.

A POPULAR "TRIO"

The "Sanspareil" our finest of English Safeties.

The "Niagara" our Little Marvel and Record Breaker.

The "Overland" our high medium grade roadster.

We have a line that is unexcelled and we invite responsible Jobbers & Dealers to write us for prices and territory.

LUTHY & COMPANY,

IMPORTERS & WHOLESALEERS,

Don't place your orders until you see our wheels.

PEORIA, ILL.

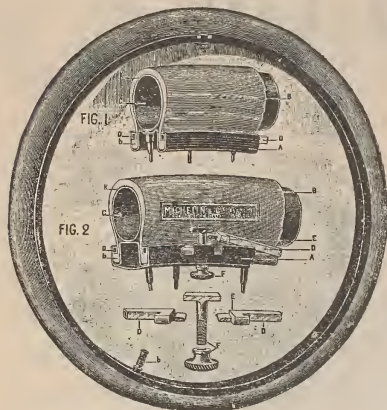
TUBES

HIGH GRADE WELDLESS COLD DRAWN STEEL.

Can furnish about 200,000 feet yet this season if ordered at once

IMPORTED TO SPECIAL ORDER ONLY.

PHILIP S JUSTICE & CO., 14 N. 5th Street, PHILADELPHIA, Penn.



The Michelin Pneumatic.

Ridden by **CHARLES TERRONT**, the Winner of the Paris-Brest Race.

The Most Resilient and the Quickest Repaired.

THE AIR CHAMBER CAN BE CHANGED IN LESS THAN 4 MINUTES.

A The Steel Rim. B Outer Covering. b The Beared Edges. C The Air Chamber. D Square Tubular Steel Rings, to keep the outer covering in its place in the groove. E Hooks, ending the Steel Ring D. F Nut and Screw to keep in place the ends of Ring D, though the tire may be deflated. Fig. 1 With Solid Rim. Fig. 2 With Hollow Rim. Fig. 3 The whole Tyre and Rim, such as delivered.

In the great race from Paris to Clermont-Ferrand, 242 miles of mostly rough and hilly roads purposely strewn with nails in many places, 64 men finished out of 73 starters, all mounted on the Michelin Tyre. Farman of Boulogne-sur-Mer arrived first in 17 hrs. 52 min., although stopping several times for repairs to his tires.

A FEW RECORDS AND VICTORIES

TO THE CREDIT OF THE "MICHELIN" PNEUMATIC:

The 50 Kilometres Record, in 1 hr. 37 min. 46 sec.

The 100 Kilometres Record, in 3 hr. 25 min. 16 sec.

Paris-Brest and back, 750 miles, in 71 hr. 37 min; Charles Terront finishing 8 hours in front of the second man, Jiel Laval. Corre, on the "Michelin," rode from Basle to Strasburg and back, 300 kilometres, in 13 hr. 10 min. record, beating by 2 hours all the German competitors.

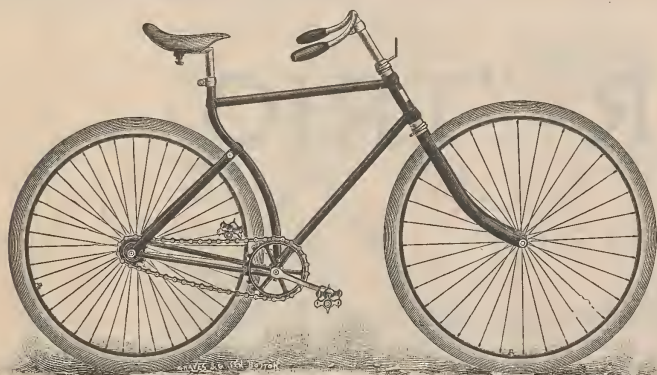
In the "LYON-RIJMBELICAIN" race, 326 miles, the first, third, fourth, fifth and seventh men were on the "Michelin" Pneumatic.

In the great race from Paris to Clermont-Ferrand, 242 miles of mostly rough and hilly road, purposely strewn with nails in many places, 61 men finish out of the 75 starters; the largest percentage ever known in competition. All mounted the Michelin Pneumatic Tyre, and had to do their own repairs on the road.

In the Paris-Nantes race, 620 miles, the five first in were on the Michelin Tyre, and the best riders of the day, on other tyres, were hopelessly left.

Sole Agency Great Britain, **PAUL HARDY**, 27 Alfred Pl., Bedford Sq., London, W.C.

Telegrams, "ATHLETICISM, LONDON."



THE EAGLE ROAD RACER.

Weight, 40 Pounds.

Light, Fast, Strong. Strictly High Grade.

THOROUGHLY WARRANTED.

A few Second-Hand Safeties will be taken in Exchange if application is made immediately.

Option of Thomas, Morgan & Wright, Protection Strip, Tilling-hast or 1 1-2 Eagle Cushion Tires.

THE EAGLE BICYCLE M^FG CO., Torrington, Conn.

WILLIAM BOWN.

Agents wanted for the sale of



THE "ÆOLUS"

SAFETY BICYCLE FOR 1892.

The celebrated "ÆOLUS" Adjustable Ball Bearings, Pedals, Brackets, Heads, etc., and all accessories. Enquiries are solicited.

WORKS, SUMMER LANE, BIRMINGHAM, ENGLAND.

ROYALS.



ROYAL SCORCHER.

Weight, 32 lbs.

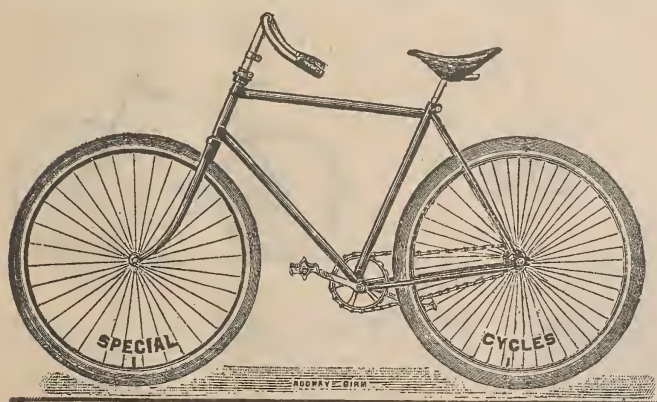
PRICE:

N. Y. B. & P. or Morgan & Wright	
Pneumatic, - - -	\$135.
Dunlop Special Pneumatic, - -	\$150



ROYAL CYCLE WORKS,

MARSHALL, MICH.



Deanshanger, Stony Stratford,

THE SPECIAL SAFETIES.

BEST MATERIAL. SPLENDID FINISH.

Agents Wanted in the United States.

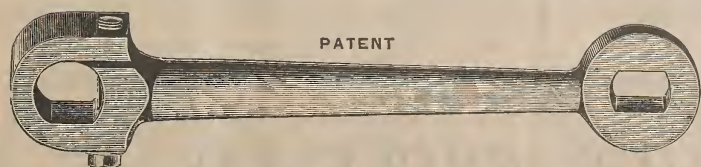
My cycles for 1892 are entirely new models of the latest and most approved designs, with workmanship and materials of the very best.

HARRY S. ROBERTS,

CYCLE MANUFACTURER,

ENGLAND.

THE PREMIER CRANK.



ented in U. S., England and Germany. Weight 9 oz.

in a "jiffey" when required, and are being sold in thousands of pairs to English makers.

Licenses granted to large wheel makers. Correspondence is invited from Jobbers.

The usual method of fixing cranks with a "key" or "cotter" is far behind the times, as, whenever the necessity arises for their removal, it is always the cause of expense to the rider, time and temper to the repairer, and brings discredit upon the wheel maker. These "PREMIER" Cranks may be removed

W. A. LLOYD & CO., — (SOLE PROPRIETORS) — **Clyde Works.**
BIRMINGHAM, ENGLAND.

THE FIRST

RALEIGH

Came to America and discovered part of it 300 years ago. He was the wonder of his age. The Raleigh of modern times has been renowned in Europe for years, and the demand there for it was so great that it could not get to America till the fall of 1891. Shortly it was discovered by

A. A. ZIMMERMAN


New York Athletic Club,

who, after trying it and others, came to the conclusion, that, like its great original, Sir Walter Raleigh, it was ahead of all others, and he proved it by winning upon it in America and Europe his title,

Champion of the World.

This title he has proved right up to date. On the 5th and 6th inst. at Asbury Park, he won six races, defeating GEORGE F. TAYLOR (hot from his world's record) in FOUR races, viz: 1 mile, safety; 1 mile, handicap; quarter-mile, safety, and 5 mile, safety.

RALEIGH ROADSTERS AND RACERS ARE

the Easiest Running and, therefore, the Fastest wheels built. Their specialties are OUR PATENT BEARINGS, OUR PATENT SPROCKET WHEEL which can be changed in 5 minutes to suit the nature of the road or track to be ridden; Semi-Tangent Spokes to driving wheel, which take the strain every way and will not break.  SEND FOR CATALOGUE.

THE RALEIGH CYCLE CO., LIMITED,

ARTHUR A. ATTY, Manager.

1790 Broadway, New York City.

A REWARD OF HONOR



will be given to riders who sufficiently distinguish themselves either on the road or path, during the season of 1892, upon HUMBERS.

The reward will be in the shape of a gold medal, suitably engraved.

We will pass upon the records of the various Humber riders at the end of the season, and will present the medals to those whom we consider best entitled to wear them.

As Humbers are ridden by men who have bought and paid cash for them, we feel disposed to do the right thing by them, and at the same time encourage the sport to a certain degree.

We do not give away racing machines, nor loan them—except to our regular patrons in exceptional cases—therefore it is all the more remarkable that fast men use them when they can get other racing machines for nothing. The Humber is five seconds to the mile faster than any other machine the world has yet seen—that is why racing men buy them. More than 60 per cent. of all the races in the world are won upon Humbers.

THE HUMBER-ROVER CYCLE CO.,

285 Wabash Avenue, CHICAGO.

Don't forget our big offer of last week. The opportunity is slipping by rapidly. We are receiving 300 letters a day about it.

Phoenix



BICYCLES



MADE BY

STOVER BICYCLE MFG. CO.,
FREEPORT, ILL.

Send for Catalogue.

A NECESSITY

IN THE

MANUFACTURE

OF

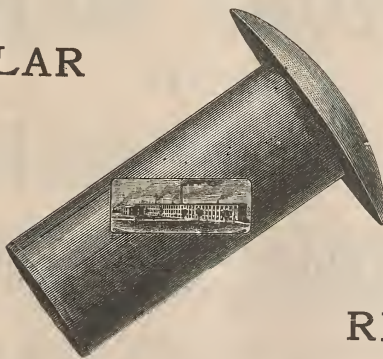
SADDLES...

AND OTHER BICYCLE

LEATHER WORK.



TUBULAR



RIVETS



THE TUBULAR

RIVET CO.,

BOSTON, MASS.,

MANUFACTURERS

OF

TUBULAR

RIVETS

AND MACHINES FOR APPLYING.

"It runs the easiest of any machine I ever rode." That is what every one says who rides our wheel.



THE SMALLEY MODEL D.

Weight 34 lbs., wheel base 48 inches, front wheel 30 inches, rear wheel 22 inches, Morgan & Wright pneumatic tires, full ball bearings, rat trap pedals, cork handles. Enambed red or black as ordered.

The workmanship and materials used are the very best.

Geared to 64 unless otherwise ordered.

A rider can push our wheel geared to 64 as easily as he could most wheels geared to 58.

Mr. Otto F. Merpall is in charge of our wholesale and retail store, 271 Wabash Ave., Chicago, Ill. General office and factory, Plymouth, Ind.

Correspondence solicited. Please mention this paper.

THE MARBLE CYCLE M'FG. CO.,

PLYMOUTH IND.

A NEW WHEEL.... THE REMINGTON.



FITTED WITH

Cushion Tires,	-	-	\$125.
Featherstone's Dunlop Pneumatics,	-	-	140.
Bidwell-Thomas,	-	-	140.
N. Y. Belting & Packing Co.'s Protection Strip,	-	-	135.

Highest Grade Throughout.

Fully Guaranteed.

All Parts Interchangeable.

OUR SPECIALTIES:

ODE OF BRAKE CONSTRUCTION,
METHOD OF AFFIXING CRANKS,
POKE NIPPLE, CHAIN ADJUSTMENT, AND
SELF-LUBRICATING, CASE-HARDENED
CHAIN.

AGENTS WANTED EVERYWHERE.

WRITE FOR CATALOGUE AND DISCOUNTS.

REMINGTON ARMS CO.,

Office, 315 Broadway, NEW YORK CITY.

Works at ILION, N. Y.

J. HARRISON & SONS, BIRMINGHAM, ENG.,

FOR

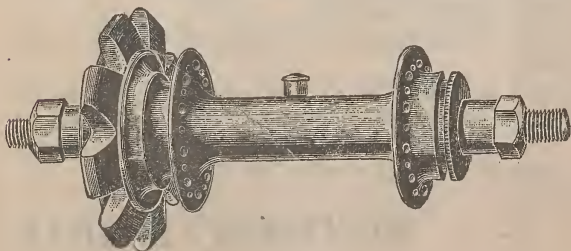
Weldless Tubes, Hubs, Cranks, Ball Heads, Frames, Rims,
Saddles, Forksides, Steel Balls 1-8 to 2",

Lamps, Bells, AND ALL Cycle Accessories

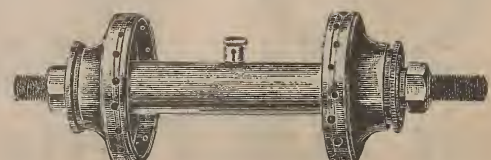
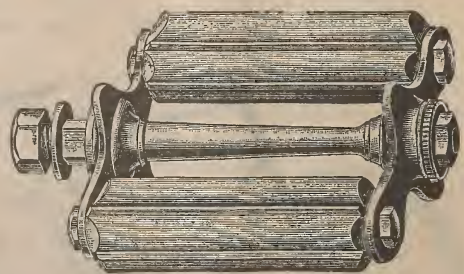
SANSOME, TEALE & COMPANY,

Manufacturers of

S. T. & Co's New Stiffened Cranks; Chain Wheels; Crank Axles; Diamond Cast S. Steel Bearing Balls and Cups; Racing, Semi-Racing and Roadster Rubber and Rat-Trap Pedals; Ladies' and Youths' Pedals, with or without Dust-Proof Centers; Tangent Hubs, Semi-Tangent Hubs, Direct Hubs, Racing and Semi-Racing or Roadster Hubs—the lightest, neatest and best Hubs in the trade.



PREMIER WORKS,
SALOP STREET,
BIRMINGHAM,
ENG.



...THE NEW HOWE HAS COME TO STAY.

Elias Howe in his
Day made the best
Sewing Machines,
And to-day the
New Howe Company
Make the best
Cycle.



Wait and see.
The "New Howe"
Will be in America
In time for the
"Opening Run."
For terms and
Agencies apply to

STEPHEN GOLDER, P. O. Box 2225. NEW YORK.

BRANCHES—London, 48 Farringdon Street.
Paris, 1 Rue du Printemps.

Bristol, 22 Victoria Street.
Manchester, 19 Victoria Street.

CHAS. D. STONE.

OSCAR F. KOSCHE.

CHAS. D. STONE & CO.,
CUSTOMS AND FORWARDING AGENTS,
113 Adams Street, CHICAGO, ILL.

The Largest Forwarders of Bicycles and Cycle Materials in the United States. Correspondence Solicited.
Liverpool Agents, CUNNINGHAM, SHAW & CO., 21-23 Water Street.

HOLMES & COMPANY.

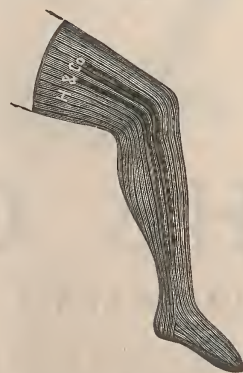
FULL PANTS.
Pat. Dec. 3, 1889.



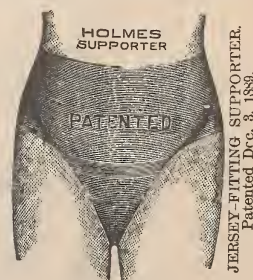
JERSEY-FITTING
BICYCLE,
ATHLETIC AND
GYMNASIUM
GARMENTS

For comfort and service they
are the most satisfactory gar-
ment made. Manufacturers
and dealers are cautioned against making or using
our Patent Garments, as we shall hold them re-
sponsible.

KNEE PANTS.
Heavy Rib Patent
Improved Double
Seat.



Our 33 Stocking Full Fash-
ioned, narrowed at the ankle
and foot, will not require an
elastic of any kind to hold it up.



This Supporter is used by
bathers under the bathing suit.
Bicycle riders, base ball players,
athletes, gymnasts tell us that
it is the best and most satisfac-
tory Supporter made.

Let every sportsman try it.

Send stamp for Catalogue.

109 KINGSTON ST., BOSTON, MASS.



WHY SHOULDN'T WE LAUGH?



THE CLEVELANDS

ARE WAY UP IN FRONT AND GAINING EVERY DAY.

LOOK at the races we are winning with a 34 lb. wheel on the track, competing against wheels of other makes weighing 23 lbs. **TWENTY-ONE** first prizes in one week. **WHERE WILL WE STOP?**
Those bearings and that Cleveland Thread Tire do it all. Send for catalogue.

H. A. LOZIER & CO., 340 Superior St., Cleveland, Ohio.

THOMAS SMITH & SONS

OF SALTLEY, LTD.

Established 1848.
SYDNEY



Birmingham, England.

OFFICES:
21 Whittall Street.

WORKS:
Saltley Mill.

TELEGRAPHIC ADDRESS—"HAMMERS," BIRMINGHAM.

Incorporated 1886.
MELBOURNE



The Original Smiths o' Saltley, Founders of the Cycle Industries.

WILLIAM SMITH, Managing Director.

—MANUFACTURERS OF—

HIGH GRADE STEEL STAMPINGS

—FOR—

HIGH WHEELS, SAFETIES and TRICYCLES.

Chain, Chain Wheels, Fork Sides, Rims, Weldless Steel Tube, Ball Hubs, Ball Pedals, Bells, Lamps, Saddles, Etc., and everything connected with the Cycle Trade.

Stampings machined and Tubes cut to length, ready for fitting together.

Stampings Made to Makers' own Patterns.

Manufacturers need no other account but ours, as we supply everything used in the Cycle Trade.

AGENTS—THE WHITTEN-GODDING CYCLE CO.

118 South Main Street, PROVIDENCE, R. I.

GOOD OLD SMITHS O' SALTLEY.



This illustration shows a man of average height on a 36 inch F. D. Safety, geared to 60 inches.

THE CYCLES OF THE SEASON.—

THE CRYPTO GEARED ORDINARY

....AND....

THESE ARE THE.....

MACHINES OF THE FUTURE...

F. D. SAFETY

And will in the course of the next year or two quite supersede the chain-driven Safety, for they are far ahead in both speed, comfort and durability. We invite applications from responsible dealers throughout the United States. Our traveler will be over in September, when he will arrange agencies. At present the machines may be seen and particulars obtained from

The McIntosh-Huntington Co., Cleveland, O.
The Bidwell Cycle Co., New York.

The Taylor Cycle Co, Chicago.
Kingman & Co., Peoria, Ill.

Sole Manufacturers,

Crypto Cycle Co., Limited, 47 Farringdon Road, London, E. C.

THEY ARE GOING VERY FAST

ALL OVER THE WORLD.



The Sun Never Ceases
To Shine Upon Them.



These reliable WELDLESS and BRAZED STEEL FORKS are renowned throughout the trade. We also manufacture MUDGUARDS, STEEL CUPS, Footrests, SAFETY FRAMES and PARTS.

YOU USE THESE GOODS.

Send for our List at Once.

Butler's Cycle Fittings Company, Ltd., Birmingham, Eng.

MY NAME IS
...

DERBY



Morgan & Wright Pneumatic, 37 lbs., \$140.00

Strauss Pneumatic, 35 lbs., 140.00

Dunlop Pneumatic, 38 lbs., 150.00

DETAIL.—Frame, Derby pattern, double throughout, from continuous seamless steel tubing; 9 inch head; Wheel Base, 44 inches; Wheels, 30 inches; Warwick Hollow Rims; Gearing, 57 and 63 inches; Round Cranks, 6 1-2 and 7 inch throw; Humber Chain; Garford Saddle; Drop Forgings throughout. We have the best and most simple Spokes made; they can be replaced by the rider without removing the tire, and are fully explained and illustrated in our catalogue. For beauty and simplicity there is no equal. For service none can be made better.

SEND FOR CATALOGUE.

RESPONSIBLE AGENTS WANTED.

DERBY CYCLE CO.,

161-162-163 S. Canal St.

CHICAGO.

West Side Retail Store, 597 W. Madison Street.

LOVELL DIAMOND CYCLES.

Strictly High Grade.

For Ladies or Gentlemen.

Pneumatic Tires
\$115.00.

Cushion Tires,
\$95.00.



Solid Tires,
\$85.00.

Boys' and
Youths
\$45.00. \$65.00.

Manufactured by John P. Lovell Arms Co., 147 Washington St.,
BOSTON, MASS.

Cycle Catalogue free. Send for one.