

Bar Fixtures and
Billiard Tables.

BRUNSWICK-BALKE-COLLENDER CO.

Have Re-established their business in

PORTLAND,
at 49 Third Street.

A full stock of Bar Fixtures, Billiard and Pool Tables. Bowling Alleys and Supplies always on hand.

EASY PAYMENTS.

J. G. REDDICK, Manager.

The Reliable Loan Office

Pawnbrokers and Jewelers

BARGAINS

...IN...

UNREDEEMED.

PLEDGES

Money Loaned on All Articles of Value.

PRIVATE ENTRANCE ON PINE ST.

All Goods Sold on Installments.

81 Third St., Cor. Pine, Portland, Or.

LAWRENCE BROS'.

Towel Supply Co.

Towels furnished to Barbers, Doctors, Offices and Business Houses, Etc. We also do First Class Laundry Work.

OFFICE: Fourth and Couch Sts. PORTLAND, OR.

Oregon Phone 429. Columbia Phone 410.

Old Kentucky Home Club Whiskey

...AND...

Shaw's Pure Malt

Blumauer & Hoch

Wholesale Liquor & Cigar Dealers

SOLE AGENTS. 110 Fourth Street

EMPIRE

Livery Feed and Sale Stable

C. P. BARNARD, Prop.

Saddle Horses, Single and Double Rigs At All Hours.

Transient stock given the very best of care. Rates always reasonable and satisfaction guaranteed.

Phone Main 51. Cor. Rose and Oak Sts. ROSEBURG, OREGON.

EDWARD HOLMAN

UNDERTAKER

Fourth and Yamhill Sts.

BOTH 'PHONES NO. 507

RENA STINSON, Lady Assistant.

LIGHTNING WELL MACHY
IS THE STANDARD
STEAM PUMPS AIR LIFTS
GASOLINE ENGINES
WRITE FOR CIRCULAR
THE AMERICAN WELL WORKS
SABROHA ILL. CHICAGO ILL. DALLAS TEX.

Merchant Hotel.

CORNER THIRD AND DAVIS STREETS
PORTLAND, OREGON.
HOTEL IS NEWLY RENOVATED.

This is the best equipped moderate rate hotel on the Pacific Coast and has all the conveniences of high-priced hotels. Complete with electric lights and bells, and artesian water in each room. Bath room on each floor. Elevator for accommodation of guests. Rates \$1 and \$1.25 per day. Meals 25 cents. Special rates to families and theatrical parties. Free bus to and from all trains. 300 rooms. Only four blocks from Union Depot. Fire Proof Building.

F. K. HILL, Prop.

Electric Hotel

OREGON CITY, OR.

JACOB CASSELL, Prop.

Strictly First-Class. Rates \$1.00 Per Day and Up.

Steam Heat, Electric Lights, Commercial Sample Room.

—THE—
Multnomah Trunk Co.

MANUFACTURERS OF

TRUNKS
TRAVELING BAGS
AND
SAMPLE CASES

Salesroom 143-145 Sixth Street
PORTLAND, OR.

...THE OLYMPIAN...

148 Fifth St., Near Morrison.

BLUNDEN & VELTON, Props.

THE FAMOUS

OLYMPIA BEER
ON DRAUGHT

New Building, New Fixtures, Choice Goods.

W. L. McCABE, Seattle. E. S. HAMILTON, Tacoma.

McCABE & HAMILTON

.. STEVEDORES ..

PUGET SOUND

Also Honolulu, H. I.

Head Office: Tacoma, Wash.

Cable Address: McCABE

GRACIE, BEAZLEY & CO., Agents

14 Water Street, Liverpool.

KRIEG & LEVY

(INCORPORATED.)

GROGERS

COFFEE AND TEA A SPECIALTY.

304 Washington Street, Corner Tenth

TRY OUR CELEBRATED COFFEE.

Both Phones 838. PORTLAND, OR.

...OLYMPIC...

Steam Laundry

407 South J Street

MICHAEL J. BJORN & LOUIS J. BJORN

PROPRIETORS

TACOMA, WASH.

TROY LAUNDRY CO.

Are not d for qua'ty
of work and Prompt
service.

GENTLEMEN'S WORK A SPECIALTY

101-5 E. Water St. Phone 5033.

Portland

DAIRY ASSOCIATION

WHOLESALE & RETAIL

.Cream and Milk.

DEPOT 203 SECOND ST.

JOHN P. HOFFMAN, Mgr.

Milk Delivered to All Parts of the City.

Oregon Phone North 2011.

Baggage and Omnibus Transfer

...COMPANY...

Office S. W. Cor. Fourth and Stark Sts.
PORTLAND, OREGON.
Telephone 509.

Exchange Your Checks With Messenger
on Trains and Order Carriages or Coupes.

Baggage checked at residence to any destination.

Branch Offices: Hotel Portland; United Carriage Co., Seventh and Taylor.

L. H. ADAMS, Mgr.

OMAHA PACKING CO.

The Popularity of

RED SEAL BRAND

Hams,

Bacon,

Lard, Etc.,

Is Won on Merit.

TRY RED SEAL BRAND.

56-60 E. Water St., Portland, Or.

THE CYCLONE SEASON



Vagaries of the Monstrous Disturbances Are Unexplainable—Some of the Queer Things Cyclones Have Done.

The months of April and May usually cover the time when the cyclone has its lining in the central valleys of the country. The records of recent years show that at about the first of May the cyclone season is at its height, although some of the frightful storms have not occurred until a month later.

Scientists have struggled with the cyclone problem for many years, but much of the mystery surrounding its origin is unexplained; also the reasons of the prodigious power it exerts upon objects in its path. They agree, however, on one thing, and that is the name, Cyclone, they say, is a misnomer, the correct designation being tornado, but the people who have actually wrestled

as not to be recognizable as footwear or carried off to considerable distances and dropped in places where, if found at all, they excited little comment. In several instances, however, the shoes have been found close to the bodies of the dead and in a condition that indicated very powerful electrical action.

Some years ago a shoe was taken from the ruins caused by a Kansas cyclone, and its condition caused no little wonder. It had been ripped from the foot of a man who was killed. The strings were gone and the upper portions, from ankle to sole, were cut into tolerably regular strips from a quarter of half an inch in width. The sole seemed at first glance intact, but a



A WESTERN CYCLONE AT WORK.

with the monster and have seen it tossing their residences about in midair call it a cyclone, and cyclone it will be. Scientifically the cyclone is the storm that sweeps over the South Atlantic Ocean, with a diameter of from 100 to 1,000 miles.

The tornado travels in much smaller form, but in its reduced dimensions it has all the concentrated energy of the ocean storm. The diameter of the tornado is seldom more than 100 yards and frequently much less than that. It has been known to travel straight along a country road for more than a mile, wrecking everything in its path, but not injuring the fences on either side. The diameter of this tornado could not have been more than 80 or 90 feet, but its power was almost beyond belief.

But the curious freaks worked by the cyclone of the Kansas variety command more attention than its tremendous force. On one occasion the roof of an eight-room house was lifted bodily, carried 200 yards, half way into a grove, where it seemed impossible that it could have passed between the trees, and left lying flat, but upside down, in a vacant spot just large enough to receive it. Occasionally the side of a house is carried away and converted into kindling wood, while the rest of the edifice is quite uninjured.

In one instance, in Iowa, half a double house was shattered to bits, while the other half and the hall were quite untouched, even the carpet on the hall floor remaining unsoiled, and the paper on the wall showed neither spot nor scratch.

In another, the porch of a Kansas house was cut away as neatly as though with an ax, a queer contract being seen in a third case, where the house was destroyed and the porch left standing intact.

In Nebraska the second story of an eight-room house was taken off and the first was left, so little shock being given to the building by the violent removal of the upper half that the clocks on the mantelpieces were not disturbed, and continued to tick as usual.

A still more curious freak was played by the wind in a Kansas dwelling. A double house, with a hall in the middle, stood facing the direction from which the cyclone was approaching. When the storm was seen the residents took refuge in their cave and listened to hear the fall of their home. A terrible crash was heard, and they, of course, supposed that the house had gone. On emerging they were surprised to see the house standing as before, but were almost paralyzed with astonishment to find the northeast wall of the dining-room, which was on the opposite side of the house from the direction the storm came, had been blown out, the furniture, tables, dishes and all other contents had been carried off and crushed to atoms, and no other damage had resulted to any part of the building.

The cyclone which devastated Sherman, Texas, stripped nearly all of the dead of clothing, and from the feet of every corpse the shoes had been wrenched. This is a common trick of cyclones, but scientists cannot fathom it. In many instances the shoes disappear, being either torn to fragments so

closer examination showed that this portion was pierced by a number of small round holes. They were the holes where the metal nails or tacks had been; the latter had disappeared, melted by the electricity.

Sometimes these remarkable effects are produced without visible injury to the body or to the clothing that remains on it, a circumstance quite unexplainable with our present knowledge. When the clothing is removed it is generally not found, being probably run into indistinguishable rags, but when it or portions of it are left the wind treats it in the most whimsical manner. In Iowa, in 1885, all the clothing but the coat was torn from the body of a man, this garment remaining almost intact; in Kansas a body was stripped of all save a collar and cravat.

LOVE VAULTS FROM A CIRCUS MAN'S HOME.

Peter Sells is not the only circus man who has seen Cupid in his act of turning somersaults. Walter L. Main has sued his wife for divorce. He is one of Ohio's best-known showmen and lives in a magnificent home at Geneva, but Mrs. Main refuses to share it with him, and is in California. She was Florence Damon, a young school teach-



W. L. MAIN AND HIS WIFE.

er of Trumbull, Ohio, which was also Main's home. At the time of their marriage, in 1887, Main was a poor country lad, whose natural bent was the training of animals, ponies and dogs. The year before he had been on the road giving performances in a small, round-top tent, and had met with enough success to encourage him to launch out again in a similar enterprise. His wife made and was in charge of the wardrobes, and took tickets at the tent entrance. Main made half a million in the business in fifteen years. Up to 1890 Mrs. Main traveled with her husband, who can not understand her present actions.

Weather Wit.

"What makes your hands so cold this morning, dear?"
"Oh, I suppose I should call it 'winter's icy grip,' since I've been shaking with the cold."—Judge.

Jefferson Garden Saloon.

DAVID THOMAN, Prop.

Wines, Liquors, Cigars. Weibard's Beer.

PHONE, RED 1818. FAMILY RESORT.

Cor. Chapman and Jefferson Sts., Portland, Or.

HISLOP'S

Triumph Roasted Coffees

The Most Sparkling, Delicious and Aromatic COFFEES ever Placed on this Market.

Ask Your Grocer for Them

..Four Blends..

A FULL LINE OF

Electrical Supplies.

Lighting of Buildings, Stores and Residences—arc and incandescent. Electric Power for Elevators, Pumps and all Kinds of Machinery.

Portland General Electric Co.

SEVENTH AND ALDER STREETS.

Both 'Phones 385.

BAR AND BILLIARD

Furniture and Fixtures

ROTHSCHILD BROS.

Wholesale Liquor Dealers.

22, 24, 26 First St., Cor. Burnside.



HOTEL OSBORN

CLEAN, AIRY OUTSIDE ROOMS

REASONABLE RATES

Transient Satisfied

...BOTH PHONES...

Travelers should take "B" Street Car at Union Depot and transfer at Yamhill Street to East Ankeny Car.

A. W. HEWETT, Prop.

GROSS, WEITZEN & LIPPMAN

Manufacturers of—

LADIES' TAILOR MADE SUITS

Separate Skirts and Waists

The Best Made Goods on the Pacific Coast

214 First Street, Corner Salmon, PORTLAND, OREGON.

CHARLEY

THE PIONEER RESTAURANT

Now on Johnson Street, Opposite Union Depot.

LUNCHES PUT UP FOR TRAVELERS

Oregon Made Umbrellas

..C. M. MEREDITH..

UMBRELLA MANUFACTURER

Repairing and Recovering of Fine Umbrellas a Specialty.

312 Washington Street.

Three doors above Olds & King

PORTLAND, OREGON.

Union Depot

..Restaurant

173 Sixth St., PORTLAND, OR.

Regular Dinner at Noon - 25c

Lunch Put Up for Travelers.



E. H. MOOREHOUSE & CO.
INCORPORATED.

Wall Paper, Frame and Room Mouldings, Paints, Oils, Varnishes, Glass, Brushes, Etc.

305 ALDER ST., Near Fifth,

Both 'Phones. Portland, Oregon.



Hatters and Furnishers

Sole Agents for KNOX HATS

BUFFUM & PENDLETON

94 Third Street.

PORTLAND, ORE.

(Established 1852.)

F. B. DALLAM & CO.

Wholesale Dealers in

Wooden and Willow Ware

Brooms, Brushes, Twines, Paper,

Paper Bags, Tinware, Gran-

iteware, Etc.

222, 220, 228 Front St., San Francisco, Cal. and 71 Front Street, Portland, Oregon.

Write for Catalogue.

MAIL ORDERS FILLED PROMPTLY

GOLDEN WEST

BAKING POWDER

It is PUREST
It is CHEAPEST
It is BEST

If You Are Not Satisfied Your Money Back

CLOONEY & DEVAHA, Portland, Or.

LIPPINCOTT'S

MONTHLY MAGAZINE

A FAMILY LIBRARY

The Best in Current Literature

12 COMPLETE NOVELS YEARLY

MANY SHORT STORIES AND PAPERS ON TIMELY TOPICS

\$2.50 PER YEAR; 25 CTS. A COPY

NO CONTINUED STORIES

EVERY NUMBER COMPLETE IN ITSELF

50 YEARS' EXPERIENCE

PATENTS

TRADE MARKS DESIGNS
COPYRIGHTS & C.
Anyone sending a sketch and description may quickly ascertain our opinion free whether an invention is probably patentable. Communications strictly confidential. Handbook on Patents sent free. Oldest agency for securing patents. Patents taken through Huns & Co. receive special notice, without charge, in the

Scientific American.
A handsomely illustrated weekly. Largest circulation of any scientific journal. Published twice a week. Yearly subscription, \$1. Sold by all newsdealers.

Munn & Co. 361 Broadway, New York.
Special Office, 25 F. St., Washington, D. C.