

SCIENCE AND INDUSTRY.

A coal gas explosion cannot occur until there are six parts of gas in every 100 of the air in the room; but four per cent. of coal gas will cause suffocation.

The meteorite which fell at Porto Alegre, Brazil, has now been measured and the results are most astonishing. It measures 5 feet from the base and is 85 feet high.

The manufacture of carbon for use in electric lighting and for other purposes has grown to be a great industry in the West Virginia gas belt. The processes require great heat.

Lyman B. Goff, a manufacturer of Pawtucket, R. I., has organized a "Boys' Club" which has a nightly attendance of 300, and he has decided to provide it with permanent quarters at a cost of \$72,000.

A process for rolling steel rails has been in use in the United States for several years. Worn-out rails are reheated and rerolled, and are stated to be superior for wear in that form to the rails when first made. The industry has grown rapidly.

In Russia oil holds absolute sway. And from Baku to Nishni Novgorod petroleum finds favor on railways and steamships alike. For 2,000 miles along the Volga boats ply from north to south propelled by means of oil, of which 8,000,000 tons is used in Russia alone.

In the operation of dredging navigable channels at the mouth of the Moruya and Shoalhaven rivers, in New South Wales, it was discovered that the mud contained gold dust. An automatic gold saver was then attached to the dumping machinery, and it is estimated that enough gold will thus be obtained to defray the expenses of keeping the channels open.

According to Prof. Spalding, the white pine tree seldom attains a height greater than 150 feet or a diameter of more than 40 inches. A tree of this variety once measured by the division of forestry of the department of agriculture was 170 feet tall and 48 inches thick. That tree was 460 years old. It was a little sapling 50 years before Columbus sailed from Palos.

TRICKS WITH FLOWERS.

Color Schemes Unknown in the Floral World Produced by the Use of Chemicals.

The chemical expert has by no means a monopoly of pretty experiments evolving marvelous color schemes hitherto unknown in the floral world. One artist suggests a simple and interesting experiment which is especially successful with pansies, and which a child may easily perform.

A saucer, a little ammonia, a flower or two, and a glass tumbler are all the implements needed to enable one to present a bunch of exquisite green pansies to the uninitiated. Such a gift is sure to awaken much enthusiasm and test the ability of the recipient to take a joke, says a New York exchange.

The viola tribe is easily influenced by the application of chemicals to the soil or by atmospheric conditions, and hence is particularly susceptible to the fumes of ammonia. A little of the liquid poured into a saucer, with a bit of paper laid over it, on which to rest the flowers, acts very quickly on the chlorophyll, or coloring matter, when the fumes are confined by a tumbler. The reason is this: Chlorophyll is in its nature acid. The fumes of ammonia, on the other hand, are alkaline, an excess of which first neutralizes the acid present in the fresh flower, and then changes it to an alkali. The effect of the alkali varies, of course, according to the predominating color of the subject.

Repeated experiments show a marked tendency toward green, simply because purple and blue are standard colors among violas and are thus affected. A few interesting color changes are: Shaded purple with white edge is converted into green, with blue veining and yellow border; maroon striped, dark green and blue; pale blue becomes pale green; white always takes on a yellow tint, and a pretty cerise comes out in vivid blue. Yellow is unaffected.

Sweet peas are also fertile subjects, and pungent fumes develop the unexpected with a rapidity that an expert hybridizer might envy. Some wonderful symphonies in green are evolved from pink and lavender creations.

Ammonia cannot be said to improve nasturtiums, but surely produces curious freaks. Yellow blotched red becomes yellow blotched bronze green, and a purely flame red a spotted dark green.

There is, of course, no permanency in colors thus enforced. The most wonderful symphonies will hold their own for a time, but if placed in water in the open air they will return to normal coloring in a few hours.

PLANS A HUSBAND BOUNTY.

Japanese Government Proposes to Reward Girls Who Marry College Students.

Maidens of Japan who succeed in interesting young Japanese students

long enough to induce them to get married will be rewarded in the near future with matrimonial dowries by the mikado's government if the plans of leading Japanese statesmen prove as successful as expected, according to Secretary Yomma, of the Japanese consulate in Chicago, reports the Chronicle.

What led the secretary to make the announcement as to the prospective husband bounty bill was the published account of the lecture in which Prof. Starr, of the University of Chicago, made the sensational statement before his class in anthropology that the marvelous advance of the Japanese in the learning and civilization of the western countries had proved too rapid and was making them the victims of an epidemic of brain fever that threatened their extinction as a nation.

"Statistics show that students in Japan are affected more by eye troubles from overstudy than by brain fever," said Secretary Yomma. "It is true that our young men are very studious, but our young women are not expected to be scholars. They are encouraged in the cultivation of feminine graces and charms, and it is becoming a fad with some of our statesmen to advocate a liberal marriage bounty for the maiden who proves herself sufficiently fascinating to cause a young man at college to forsake his books long enough to get married."

BUSINESS LOCALS

Pictures enlarged at the Wilson photograph gallery. dec4-1m

Clark & Falk are never closed Sunday. Don't forget this.

Clarke & Falk have on sale a full line of paint and artist's brushes.

Go to the Wilson gallery for excellent photos at reasonable prices. dec4-1m

If you can't come during the week, you can have a sitting Sunday by seeing Gifford. n19

Floral lotion will cure wind chapping and sunburn. Manufactured by Clarke & Falk.

For Rent—A furnished cottage of four rooms on West Sixth and Lincoln streets. Apply on the premises. d12-1w

The prices on ladies' and children's knit goods are surprisingly low at the New York Cash Store. d13tf

Christmas will soon be here and you haven't had that negative made yet. See Gifford right away quick. n19

Children's knit leggings, mittens and trouses—a full line at lowest prices at the New York Cash Store. d13tf

If anything ails your hair, go and see Fraser; he's the headquarters for all hair remedies. Remember that he makes a specialty of these goods. tf

Have you seen those knit goods at the New York Cash Store? Fascinators, ice-wools, circular shawls, mittens and skirts. d13tf

Those artists' proofs. My! but they are fine! One dozen will make just twelve fine Christmas presents. Gifford is the man that makes them. n19

Clark and Falk have just received a full line of fresh Velox papers and developers, the same as used by Mr. Lovick in his recent demonstration at our store.

The Elite barber shop is running four chairs thus ensuring patrons a speedy and satisfactory service. All tools sterilized and only steam laundered towels used. n18 1m

Christmas sale of millinery at the Campbell & Wilson millinery parlors. One-third off regular price of entire stock. Sale will continue until first of January. 25a-1f

Why pay \$1.75 per gallon for inferior paints when you can buy James E. Patton's sun proof paints for \$1.50 per gallon, guaranteed for 5 years. Clark & Falk, agents. m1

You saw those fine portrait frames at the carnival? They are going very fast; the supply is limited, and your picture in one of them is just the thing for Christmas. Gifford. n19

Experience is the best Teacher. Use Acker's English Remedy in any case of coughs, colds or croup. Should it fail to give immediate relief money refunded 25 cts. and 50 cts. Blakeley, the druggist.

We offer for a limited period the twice-a-week CHRONICLE, price \$1.50, and the Weekly Oregonian, price \$1.50, both papers for \$2 a year. Subscriptions under this offer must be paid in advance.

Mrs. E. Carey lately returned from Portland where she selected a magnificent variety of holiday goods which are now on exhibition at her millinery store in the East End. They have been marked at the lowest living prices. Call and see before buying elsewhere. d11-1w

When your hair appears dry and to have lost its vitality it wants something to give it life and vigor. We have what the hair needs when it gets in that condition. We have the Crown of Science Hair Grower and Oceanic Cream Tonic. They will cure dandruff and all scalp diseases. For sale at Fraser's barber shop. Price 50c and 75c a bottle.

An elegant line of Xmas cigars at Granta's, the only exclusive cigar store in the city. d10-1w

Groceries

Groceries

M. T. NOLAN.

Union and Second Streets. Local Phone 92.

How's This!
We offer one hundred dollars reward for any case of Catarrh that can not be cured by Hall's Catarrh Cure.
F. J. CHENEY & Co. Props., Toledo, O.
We, the undersigned, have known F. J. Cheney for the last 15 years, and believe him perfectly honorable in all business transactions and financially able to carry out any obligations made by their firm.
West & Truax, Wholesale Druggists, Toledo, O., Walding, Kinnan & Marvin, Wholesale Druggists, Toledo, Ohio.
Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system.
F. J. CHENEY & Co., Props., Toledo, O. Sold by druggists, price 75c.
Hall's Family Pills are the best. 12

Thousands Sent Into Exile.
Every year a large number of poor sufferers whose lungs are sore and racked with coughs are urged to go to another climate. But this is costly and not always sure. Don't be an exile when Dr. King's New Discovery for Consumption will cure you at home. It's the most infallible medicine for Coughs, Colds, and all Throat and Lung diseases on earth. The first dose brings relief. Astounding cures result from persistent use. Trial bottles free at G. C. Blakeley's drug store. Price 50c and \$1.00. Every bottle guaranteed. 4

Of Benefit to You.
D. S. Mitchell, Fulford, Md.: "During a long illness I was troubled with bed sores, was advised to try DeWitt's Witch Hazel Salve and did so with wonderful results. I was perfectly cured. It is the best salve on the market." Sure cure for piles, sores, burns. Beware of counterfeits. Clarke & Falk's P. O. Pharmacy.

Information Wanted.
The manufacturers of Banner Salve having always believed that no doctor or medicine can cure in every case, but never having heard where Banner Salve failed to cure ulcers, sores, tetter, eczema, or piles, as a matter of curiosity would like to know if there are such cases. If so they will gladly refund the money. Clarke & Falk.

\$25 REWARD.
We will pay \$25 reward for the arrest and conviction of any person trespassing upon the football park, molesting or destroying the fence. Small boys who have been digging holes under the fence are liable to arrest and are included in the above.

BELDEN H. GRANT, L. A. PORTER, E. KURTZ, OTIS PATTERSON.
d4-1m

Sick Headache absolutely and permanently cured by using Moki Tea. A pleasant herb drink. Cures constipation and indigestion, makes you eat, sleep and happy. Satisfaction guaranteed or money back. 25 cts. and 50 cts. Blakeley, the druggist.

Fine turkeys, fattened especially for the Carnaby Market. Hines' sweet pickles in bulk, bulk olives, sweet cider, apple butter, pickled tripe, pigs feet, sauerkraut, and other specialties too numerous to mention, can be had all the time at Carnaby's American Market. n20-1m

Chas. Replogle, Atwater, O., was in very bad shape. He says: "I suffered a great deal with my kidneys and was requested to try Foley's Kidney Cure. I did so and in four days I was able to go to work again, now I am entirely well." Clarke & Falk.

Single-Comb Brown Leghorns.
A few thoroughbred, single-Comb brown Leghorn cockerels and pullets for sale, if taken at once.

JAS. IRELAND, The Dalles, Or.
n23-1m

Arito is the paper used to make those guaranteed Platino carbons, at Wilder's Curio, Novelty and Photo Studio. It will pay you to visit the studio before Christmas. No trouble to show goods. d9-1w

To Stop a Cold.
After exposure or when you feel a cold coming on, take a dose of Foley's Honey and Tar. It never fails to stop a cold if taken in time. Clarke & Falk.

Foley's Honey and Tar
for children, safe, sure. No opium.
You will not have boils if you take Clarke & Falk's sure cure for boils.

L. Lane,
GENERAL
Blacksmith
...AND...
Horseshoer
Wagon and Carriage Work.
Fish Brothers' Wagon.
Third and Jefferson. Phone 159

For Sale.
The plant of the Hood River Manufacturing Co. will be sold cheap for cash.
The plant consists of a full line of wood-working machinery, sticker, planer and a complete sash and door outfit.
Must be sold at once.
Address, **H. C. COE,**
Hood River, Or.

CITY HACK
To any part of the city. Will make all trains. Light baggage free of charge to all passengers.
Day and Night Service.
Day Phone—Grant's, Local 211, Long Distance 1311; Night Phones—Nelson's, Local 334, Long Dist. 1151.

Porter & Anderson - Proprietors.
WM. MICHELL,
Undertaker and Embalmer
Cor. Third and Washington Sts.
All orders attended to promptly. Long distance phone 433. Local, 102.

DR. TAOIE BEAL,
OSTEOPATHIST.
Office, Mrs. Morgan's Art Studio, Office hours, 10:55 p. m. d4-1m

Health and Beauty.
A poor complexion is usually the result of a torpid liver or irregular action of the bowels. Unless nature's refuse is carried off it will surely cause impure blood, pimples, boils and other eruptions follow. This is nature's method of throwing off the poisons which the bowels failed to remove. DeWitt's Little Early Rieurs are world famous for remedying this condition. They stimulate the liver and promote regular and healthy action of the bowels but never cause griping, cramps or distress. Safe pills. Clarke & Falk's P. O. Pharmacy.

To Whom It May Concern.
At a meeting of The Dalles City council held on Monday night Dec. 9, 1901, it was moved and carried unanimously: "That the city marshal be ordered to collect a monthly rental on and after January 1, 1902, from all parties in Dalles City who shall then own houses or other obstructions that have not been removed from the public streets of the city. d10-1d

Try Van Norden's for a perfect fit in glasses, old or young, near sighted or far sighted. dec 2
Foley's Honey and Tar
cures colds, prevents pneumonia.

FRENCH & CO.,
BANKERS.
Transact a General Banking Business.
Letters of Credit issued available in the Eastern States.
Sight Exchange and Telegraphic Transfers sold on New York, Chicago, St. Louis, San Francisco, Portland Oregon, Seattle Wash., and various points in Oregon and Washington.
Collections made at all points on favorable terms.

The Columbia Packing Co.,
PACKERS OF
PORK and BEEF
MANUFACTURERS OF
Fine Lard and Sausages
Curers of **★ BRAND**
HAMS & BACON
DRIED BEEF, ETC.

JUST ARRIVED!
The largest and most complete line of . . .
PICTURE MOUNTINGS
ever shown in the city are now on display at

H. Glenn & Co's
Paint and Oil Store.
John Pashek, The Tailor,
Has just received 1000 samples of the latest patterns in Gent's Clothing Goods. He guarantees prices and a good fit or no pay.

John Pashek, The Tailor.
Prof. Homer de Morrison
332 1/2 Washington street. Rooms 23-25, PORTLAND, OREGON.

The first registered as well as the first graduate palmist ever in Portland. The world's greatest Trance Clairvoyant and Herbalist can be consulted daily on all affairs of life.
Prof. de Morrison is without a doubt the most scientific Palmist and Clairvoyant in the world today; he locates hidden treasure, respites the separated, tells if there is minerals, oil or gas on your land, enables you to win the affection of one you desire.
Palmistry taught occultistic persons developed. Heals by the use of his powerful herbals; cures chronic and so-called incurable diseases. Free treatment for the poor.
Send \$1, date of birth and three questions; all letters answered at once.

Located by Vision.
Portland, Aug. 10. (To the Editor)—Homer de Morrison, occultist, located by vision the bullion stolen from the Selby Smelting Works. In behalf of occult science he has advisedly communicated by letter the facts to Mr. A. J. Selby, owner of the Selby Works. The reports received last night prove his statements correct.
MRS. FRANCIS PARTLOW.
"It is pleasing to be assured that the gold stolen from the Selby Smelting Works was located by vision by a Portland occultist. This proves that the story of the confession of the thief and that his assistance was required in recovering the gold was a base California invention for the purpose of depriving Oregon of just glory."—(Justice Richard Swannick.)

Foley's Honey and Tar
cures colds, prevents pneumonia.

O. D. & N.
OREGON SHORT LINE
AND UNION PACIFIC

START ROUND	TIME SCHEDULES THE DALLES.	WEST ROUND
Chicago-Portland Special, 12:25 p. m. via Huntington.	Salt Lake, Denver, Ft. Worth, Omaha, Kansas City, St. Louis, Chicago and the East.	1:10 p. m.
Atlantic Express, 12:45 a. m. via Huntington.	Salt Lake, Denver, Ft. Worth, Omaha, Kansas City, St. Louis, Chicago and the East.	4:50 a. m.
St. Paul Fast Mail, 9:35 p. m. via Spokane.	Walla Walla, Lewiston, Spokane, Wallace, Pullman, Minneapolis, St. Paul, Duluth, Milwaukee, Chicago and East.	3:55 a. m.

OCEAN AND RIVER SCHEDULE
From Portland.

Time	(All sailing dates subject to change.)	Time
8:00 p. m.	For San Francisco, Sail every 5 days.	4:00 p. m.
Daily except Sunday, 8:00 p. m. Saturday, 10:00 p. m.	Columbia River, To Astoria and Way-Landings.	4:00 p. m. except Sunday.
Monday, Wednesday, Friday, 6:45 p. m.	Willamette River, Oregon City, Newberg, Salem, Independence, Corvallis & Way-Landings.	Tuesday, Thursday, Saturday, 5:00 p. m.
Tuesday, Thursday, Saturday, 6:00 a. m.	Corvallis and Way-Landings.	4:30 p. m. Monday, Wednesday, Friday.
Tuesday, Thursday, Saturday, 7:00 a. m.	Willamette and Yamhill Rivers, Oregon City, Dayton and Way-Landings.	3:30 p. m. Monday, Saturday, Wednesday, Friday.
Leave Riparia daily, ex. Sunday 4:05 a. m.	Snake River, Riparia to Lewiston.	Leave Lewiston daily, ex. Sunday 7:00 p. m.

Parties desiring to go to Heppner or points on Columbia Southern via Biggs, should take No. 2, leaving The Dalles at 12:25 p. m. making direct connections at Heppner Junction and Biggs. Returning making direct connection at Heppner Junction and Biggs with No. 1, arriving at The Dalles at 1:05 p. m.
For further particulars, call on or address JAS. IRELAND, Agent, The Dalles, Oregon.

A Complete Line of Drugs at
M. Z. DONNELL,
THE DRUGGIST.

First National Bank.
THE DALLES - - - OREGON
A General Banking Business transacted Deposits received, subject to right of withdrawal.
Collections made and proceeds promptly remitted on day of collection.
Sight and Telegraphic Exchange sold on New York, San Francisco and Portland.
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The Baldwin Restaurant
W. W. WALDEN, Manager.
First-Class in Every Respect.
Meals at All Hours.
PRIVATE PARTIES SERVED.
The table always supplied with the best in the market.
74 Front St., near Court, The Dalles.