It is curious the way that some of our most useful appliances were invented or discovered. We are told that some Venetian mariners built a fire on a beach where there was sand mixed with soda, and that they were surprised to find that the sand melted and formed a transformed composition. Some reflecting man was in the party, and by this accidental melting of the sand discovered how

to make glass. Years after this the children belonging to a Dutch spectacle maker were playing with the glasses which their father used, and they made the discovery that by putting one glass in front of the other they could make the steeple of a neighboring church appear nearer. Their father had sharpness enough to use this accidental discovery in making the first telescope.

Most engineers are familiar with the story of how the steam engine was first made automatic. In the early rude forms of the Newcomen engine a boy was employed to open and shut the cocks which admitted steam and the condensing water. A boy named Humphrey Potter, who was engaged on this work, was anxious to play, and the movement of the farmer was milking. the engine gave him very little opportunity. To increase his leisure he devised an arrangement of strings remarkable thing." connected with the walking beam which opened and shut the cocks. This was the first move toward making the engine's mechanism perform | tew! the operation of admitting and releasing steam.

The moving of a distant signal by means of a wire seems a very simple kernels on it." operation, and one which called for earlier railroad engineers could not devise satisfactory means of operating a distant signal until a working signal man showed them the way. It is told that in 1846 an English signal man had to attend to two signals placed some distance apart at a stawalking to and fro between them he tics. procured some wire and pulleys and made a crude arrangement by which he was able, while in his box, to operate both signals. An official who had been trying to devise some means of protecting trains standing at staworking of distant signals.-Locomotive Engineering.

### The Wonderful Aphis.

The aphis, which is known by the common name of "plant louse," is an entomological enigma as well as an agricultural pest. The scientists do not pretend to know just exactly how many varieties of aphis browse on the green things of nature, but some authorities estimate them at stops the car especially for the pur-1,000, a large proportion of that num- pose of mailing a letter, a penny is ber having been named and classified. A single insect of any of these species of aphis may become the progenitor of billions of young, even during their lifetime.

Latrielle, who is an acknowledged uthority on this branch of entomology, makes some curious and interesting calculations: A female will produce young at the rate of about 25 a day during the summer months, and as each immediately becomes the progenitor of others one aphis may possibly be the mother, grandmother, great grandmother, etc., et al. of the enormous number of 5,904,-500,000 individuals by the end of the season.

Yongard and Morren, who are equally as good authorities as Latrielle, extend this number into quintillions as being within the capabilities of a single mother's efforts. -St. Louis Globe-Democrat.

## Me and the Cat.

Richard X- is an incorrigible youngster of 10 who has shown a tendency to lay the blame of his misdeeds on other shoulders. His favorite scapegoat was the family feline. A jar of sweets could not be opened or a bit of gingerbread purloined or a vase broken to atoms without a lame excuse of Dick's, "I guess it was the cat," calling forth his mother's reproaches: Richard, you must not lay the

blame on the cat of all the wickedness you are guilty of in this house. Not long after one of these upbraidings, in Sunday school, his teacher asked Richard the question, apropos of the devil's power on earth:

"Who is responsible for the wickedness of this world?" It was with a mixture of a contrite

spirit and the old habit that little Dick answered: "Well, I suppose that I'm partly to blame. But-but I think our cat has her paw in it."-Harper's Magazine.

## Billiousness Cured.

Dr. Slasher had been treating a patient in Believue hospital for disease you in. of the liver, and the patient died, and when the autopsy was held it was dition his lungs were dreadfully discased.

Some of the students who were present began to snicker, whereupon to take the conceit out of a fellow Dr. Slasher remarked:

Gentlemen, what else did you ex- self by an amateur artist. [sect] This man's liver was diseased; at as you see. I cured him coming to do."-Texas Siftings.

#### WHAT LAND IS THAT!

"What land is that-That land majestic, mystle, wondrous, blest, Yet heart subduing, too, and soul o'erawing, Where passion riots not, where love earth solled

Divinely blighted, withering to the root. Leaves room for heavenly love? What land is Where earthly mists obscure not Truth's

Thenceforth but seen like ghosts of fair shape Or souls in limbo pent? What land is that

Whose piercing air from God's own mountal landehed Cancels disease, reviothes the leper's bones If spiritual things may thus in types be shad-As though with infant's flesh; takes from our

Its downward leaning, girds it as with wings Of heavenward aspiration? 'Tis not earth! Before earth's sons have reached that hallowed site Her probatory state is past forever.

They that fought bravely from their labor And bathe in healing wells. The songs of heaven Reach them—the all blessed vision is not

It will be theirs! That thirst for God unsated Which from the human severs meaner kinds. Chief prophecy of man's predestined greatness Survives, their sorrow sole. If lesser griefs Be theirs, they heed not such.

-"Mediæval Records and Sonnets."

Wonderful Discoveries. The professor, who had for a long time been pawing over the corn in the farmer's cornbin for some purpose only known to himself, at last came up excitedly to the place where

"Mr. Grassey," said he, "Tve discovered a remarkable thing-a very

"I want 'o know!" said the farmer, the surge of milk in his full pail ceasing for an instant. "In the combin

"Yes, sir, a remarkable thing. There isn't an ear of corn in your bin that has an odd number of rows of

"Sho!" answered the farmer. "You little ingenuity to invent. Still, the don't tell me!" The pour of milk started in again, louder than ever.

"It's a fact." "Waal, now't you mention it, I can tell you a remarkable fact. You may take the exact number of married people in every state in the Union and compare 'em, and there won't be tion. To save himself the trouble of an odd number in that lot of statis-

"Ha!" said the professor contemptaously, "there's nothing very remarkable about that. Married people usually come in pairs, don't they?' "Dew tell!" said the farmer. "And

so do rows of kernels on ears of corn. tions happened to see this primitive Guess you wa'n't fetched up on a arrangement and applied it to the farm, professor."-Youth's Compan-

### Street Car Letter Boxes.

Letter boxes are attached to the street cars in Huddersfield, England, and letters can be posted in these boxes as the cars are traversing the suburbs, the boxes being emptied by the postoffice employees on the arrival of the car at or near the central postoffice on each trip. If a person collected by the conductor and deposited in the farebox. This doubles the cost of sending the letter, but the advantage of an immediate special delivery is secured, and letters are greatly expedited by the scheme.-

London Globe He Worked the Aurora Borealis. George Bartlett Prescott was one of the pioneers of the science of electricity in America. He began the study of electricity in 1846, when he was 16. With Edison, he owned all both in this country and in Great Britain. He introduced the duplex system in 1876 and the quadruplex two years later. Prescott made certain that the aurora borealis was an electrical display, and while in the Boston office on one occasion he disconnected the batteries and operated the wires with the atmospheric electricity.-Philadelphia Times.

#### Against It. Singleton-I believe in the higher

education of women, don't you! Benedict-Not much! Why, even now my wife's got so confoundedly smart that I can't make her believe poker chips are lozenges or that the billiard chalk on my sleeves comes off the whitewashed wall in the office.-Boston Traveller.

A Philadelphia laborer, admiringly to comrade as a stylishly dressed woman sailed by with shoulders apparently five feet broad, "I say, Jimmy, there's a pair of shoulders for a hod."

Those who suppose that the people of all China use the same language are badly mistaken. There are as many different dialects spoken in the Flowery Kingdom as there are in all

It is not always a mark of frankness to possess an open countenance. An alligator is a deceitful creature and yet it presents an open countenance when in the very act of taking

Don't go around looking for a flaw in your neighbor's eye, but keep discovered that while the liver of the your own specks well dusted and victim was in a perfectly healthy con watch the corners on your own side of the street.

> There is nothing more calculated than seeing a crayon portrait of him-

An irate editor in speaking of a pletely. That he died of tuberculosis rival says, "A piece of charcoal would is something with which I had noth- make a white mark on his con-



THE OIL CURE FOR APPENDICITIS.

Is the Kuife Used In Many Cases Where It

Is Unnecessary and Dangerous? Now the doctors have discovered that apendicitis no more needs the knife than colis pendicitis no more needs the knife than colic does. Dr. M. O. Terry, a man of the highest rank in his profession, of Utica, N. Y., said in Chicago that he had treated 15 cases with oil, and all successfully. So one more fad comes down to the average scale of medical cases.— St. Louis Globe-Democrat.

A reporter interviewed Dr. Terry regarding his treatment for appendicitis. The latter said:

"My treatment is in line with my theory of the cause of pain, inflammation, fever and the final suppuration which ensues if the appendicitis is left to itself. If the patient can take castor oil, it is to be preferred. Of course the dose should vary in accordance with the age and peculiarity of the individual-from 2 to 4 drams every three hours. If this could not be retained and the case were urgent I should give from 5 to 10 grains of calomel, with 20 to 30 grains of bicarbonate of soda in a glass of water, repeating in three to six hours if necessary. I should not hesitate to give 30 grains in this manner, although I have never been obliged to give over 20. I have seen no case of salivation, the bicarbonate of soda seeming to prevent such a condition. Cases of less urgency may be relieved of constipation or fecal impaction by the use of some of the mineral wa-

"It matters not whether you have a case of absolute obstruction, strangulated or incarcerated hernia or appendicitis, the treatment holds good. Please bear in mind that in all of these conditions the mucous membrane and muscular coats of the intestines are in a state of irritation or inflammation and are contracted or paralyzed from the abnormal presssure due to impaction and strangulation. I should give in this stage from one-half to 2 ounces of sweet oil every three to six hours until the temperature became normal. In all of these conditions-I mean whether you have a case of appendicitis, obstruction or strangulated or incarcerated hernia which has not reached the stage of gangrene or suppuration—you may expect the same favorable results within 24 hours-a reduction of the temperature, a relaxation of the muscular coats of the intestines, and consequently a subsidence of the inflammation. As an auxiliary treatment I keep constantly applied to the abdomen a hot flaxseed poultice over which has been poured hot sweet

"Unquestionably the knife can save cases in the suppurative stage of appendicitis when you are called in late, and it is here that the skill of the surgeon can in the majority of cases save life. The press in America and in Europe for the last few months has printed interviews held with various distinguished surgeons, in which the majority of opinions has been that the surgeon's knife has been too frequently used. Dr. Bull of New York, in his laparotomies, has taken particular pains to note the condition of the vermiform process and has found that fully five-sixths of them have undergone pathological changes. Now, although it is true that the vermiform appendix is subject to inflammation from mechanical obstruction, from such causes as grape seeds, cherry stones, etc., the truth is that most of the cases of appendicitis result from an inflammatory action due to various forms of catarrhal difficulties incident to fecal concretions, drastic purgatives, colds, etc. In all such cases the lumen of the appendix on the caecal side is contracted by inflammathe patents in the quadruplex system | tory products. Such being the case, the relaxing effect of the sweet oil brings about alternative changes of the mucous membrane, restoring it to its normal

> "I have yet to lose a case of appendicitis, although I have had 20, and the cases where I have been called in consultation have all lived. The treatment is appropriate for foreign bodies, such as gooseberry seeds, beans, etc., in the appendix as well as in catarrhal conditions It seems to me the profession has forgotten the peristaltic action of all tubular structures. Unless arrested by opiates, they are ever in motion. Then why should not the circular and longitudinal fibers of the appendix rid the lumen of foreign agents when they happen to get there, especially if irritation and contraction are prevented by sweet oil, and relaxation and good lubrication are substituted?'-Utica Herald.

## The Latest Style of Kles.

Here is a kiss, described upon feminine authority as the latest, which the Ohio board of health or any other aggregation of sanitary wiseacres can prohibit in the interest of the general health. It is executed by laying the left cheeks toether and letting the smack go uninterrupted into space. - Detroit Free Press.

The Affectation of Skepticism. Cardinal Gibbons recently expressed himself in this way, "Young men who have received an imperfect and superficial education want to appear wise and arned and think in order to do so they giust affect a degree of skepticism and infidelity which frequently results in an entire loss of faith."

# Hair Death

instantly removes and forever destroys objectionable hair, what her upon the hands, face, aross or neck, without discoloration "injury to the most delicate skip. If we are fifty years the secret formula of tractinus Wilson, asknowledged by physician the highest authority and the not eminent derivatologist and hair sperming that ever lived. Itsering his private re-ites of a life-time among the nobility of aristocracy of Europe he pescribed his realize. P. co. 31 by mail, saurely packed. On expendence confidential, hole merica. Address THE SKOOKUM ROOT HAIR GROWER CO. Dept. R. 67 South Fifth Avenue, New Yor 0000000000000000 000000 00000000

Deafness Cannot Be Cured.

by local applications, as they cannot reach the diseased portion of the ear. There is only one way to cure deafness and that is by constitutional remedies. Deafness is caused by an inflamed condition of the mucous lining of the Eustachian Tube. When this tube gets inflamed you have a rumbling sound or imperfect hearing, and when it is entirely closed deafness is the rebe taken out and this tube restored to its normal condition, hearing will be destroyed forever; nine cases out of ten are caused by catarrh, which is noth-ing but an inflamed condition of the mucous surfaces.

We will give One Hundred Dollars for any case of deafness (caused by catarrh) that cannot be cured by Hall's Catarrh Cure. Send for circulars, fre-F. J. CHENEY & Co., Toledo, O. Sold by druggists, 75c.

Midwinter Fair Rates. Midwinter Fair excursion tickets, Salem to San Francisco and return, via Southern Pacific Co's. Shasta route. Rate, \$27.50, including five ad-missions to the fair. Tickets good for thirty days from date of sale.

FOR SALE, -One twenty acre tract, with six acres into hops, four acres into young orchard, and balance to pasture, one house, and all well under culti-vation. Will sell 44 acres, including the above tract, with all the implements desirable to make a good farm, Call on or address, D. H. Miller, Salem Or. 4½ miles east of town on the Macleay road. All garden land. Will sell or trade. d tf

## The New Spring Hats

Are all adorned with roses, The oses on your cheeks can be retained by using Park's Tea. It clears the blood of impureties, moves the bowels every day and gives health and strength to

Sold by Capital Drugstore.

#### They Soothe. Never Irritate.

Some people have a prejudice against plasters, because, as they think, they burn and blister. That is true of many, but not of Allcock's Porus Plasters. They never irritate the skin, but always have a soothing effect.

They are useful in case of any local pain and as a rule will bring immediate relief. If they do not, it is because the trouble has been allowed to become so serious that no external remedy will reach it, and the chances are that any treatment will fail.

For stitches in the side, weakness or lameness of the back, stiffness of the joints, Allcock's Porous Plasters bave been proved again and again to be not

only a relief, but a cure. Brandreth's Pills are safe to take at at any time.

### The Home Boat.

The home boat Elwood arrives up Sunday and Wednesday; leaves from Corvallis down Tuesday, and Saturday for Portland; built for Salem route patronizes Balem merchants; rates lways reasonable. F. J. Smith, agent. Wharf foot of State street.



Easily, Quickly, Permanently Restored. WEAKNESS. NERVOUSNESS, DEBILITY,

and all the train of evils from early errors or later excesses, the results of overwork, sickness, worry, etc. Fullstrongth, development and tone given to every organ and portion of the body. Simple, naturalmethods. Immediate improvement seen. Foliure impossible. 2,000 references. Book, explanation and proofs mailed (sealed) free. ERIE MEDICAL CO.

BUFFALO. N. P NOTICE.

NOTICE IS HEREBY GIVEN THAT THE

N Common Council of the city of Salem, Oregon, propose to improve Church street in the
city of Salem, from the north line of Ferry
street to the northern limits of the city; the
rost of which is to be paid in whole by the adjacent property by establishing a grade and
by bringing the street to that grade, by isying
down crosswalss, by putting in curb-boards,
2.35 test on each side of the center line of the
streets; the gravel to be 8 inches deep at the
center and 4 inches deep at the edges; and it
is further specified that at least one hall of the
gravel shall be more than 2 inches in diameter and that the top 2 inches shall not be
more than 2 inches in diameter.

By order of the common council, made this
let day of May, 1894.

ED N, Edes,
City Recorder. mmon council, made this ED N. Edes, City Recorder.

## NOTICE TO CONTRACTORS.

Sealed proposals for the erection of a building for the Oregon school for Deal Mates while be received by the Board of Trustees of said school, at the state Capitol, Schom, Oregon, until 10 clock, noon, May 1sth, 1884.

Each bid must be accompanied by a certified check for \$500.

Pians and specifications can be seen at the office of S. E. Maxon, Architect, Portland, Oregon, or at the office of C. H. Burggraf, Architect, Salem, Oregon.

The Board of Trustees reserves the right to reject any and all bids submitted.

SYLVESTER PENNOYER, Governor, GEO, W. McBRIDE, See'y of State.

E. B. McKLROY, Supt Fub. Inst'n, Board of Trustees.

Salem, Oregon, April 5, 1891.

48 101

Rheumatism, Lumbago, Sciatica, Kidney Complaints, Lame Back, &c.



HUIE WING SONG.

# FROEBEL SCHOOLS-4th Year.

What is the condition of yours? Is your hair dry, harsh, brittle? Does it split at the ends? Has it a lifeless appearance? Does it fall out when combed or brushed? Is it full of dandruff? Does your scalp itch? Is it dry or in a heated condition? If these are some of your symptoms be warned in time or you will become bald. Skookum Root Hair Grower

THE SKOOKUM ROOT HAIR GROWER CO.,

57 South Fifth Avenue, New York, N. Y.

# S. W. THOMPSON & Co.,

Always Keep on hand a large stock of loose and unmounted Diamonds, Rubies, Sapphires and imported Opals.

22I Commercial Street.



TRADE MARK

# Forest Grove Poultry Yards.

Established in 1877.

### EGGS FOR HATCHING FROM THE VERY BEST VARIETIES.

Stock Finer than Ever, but Prices Same as Usual Get the Best and then you will be satisfied. Send for Catalogue. Address J. M. GARRISON, Lock Box 335, Forest Grove, Or.

# Ed. C. Cross,



Wholesale and Retail Dealer in Fresh, Salt and Smoked Meats of a lkinds

95 Court and 110 State Streets.

Southern Pacific Company.

CALIFORNIA EXPRESS TRAIN-BUN DAILY BF

TWEEN PORTLAND AND S. F.

Portland Salem San Fran.

Above trains stop at all stations from Portland to Albany inclusive; also at Tangent Shedd, Haisey, Harrisburg, Junction City, frying, Eugene and all stations from Roseburg to Ashland inclusive.

ROSEBURG MAIL DAILY.

Dining Cars on Ogden Route

PULLMAN BUFFET SLEEPERS

- AND-

and Corvallis:

DAILY-(EXCEPT SUNDAY).

At Albany and Corvallis connect trains of Oregon Pacific Railroad.

REPRES TRAIN- (DAILY SECRPTSUNDAY

THROUGH TICKETS

o all points in the Eastern States, Canada de Europe can be obtained at lowest rates om W. W. SKINNER, Agent, Salom.

R.P. BOGERS, Asst. G. F. and Pass. Ag'i
R. KOEHLER, Manageri

7:30 a. m. Lv. Portland 12:15 p. m. Ar. Corvallis

Ar. | 8:20 a. m Lv. | 5:39 a. m Lv. | 7:00 p. m



**Tickets** 

DENVER.

SALT LAKE OMAHA, KANSAS CITY, ST. LOUIS CHICAGO,

AND ALL

**EASTERN CITIES** 

## DAYS TO CHICAGO

the Duickest to Chicago and the East-Quicker to Omaha and Kansas City,

Through Pullman and Tourist Sleepers, Frer Reclining Chair Cars, Dining Cars.

S. H. H. CLARK OLIVER W. MINK E. ELLERY ANDER ON. Receivers. For rates and general informa

**HERCULES** 

A SURE POWER.

W. H. HURLBURT, Asst. G. P. A 254 Washington St., Cor.3d PORTLAND, ORRIGON.



beauty and purity. It is beauti-fying, soothing, healing, health-ful, and harmless, and when rightly used is invisible. A most delicate and desirable protection to the face in this climaie.

Insist upon having the genuine.

IT IS FOR BALE EVERYWHERE.

Infant, Connecting and Primary classes every week day from 9 a, m. to 12 m. except Saturday.

MISS 0. BALLOU, - - Principal. TRAINING CLASSES

for teachers' daily practice work from 9 a. m. to 12 m. in Kindergarten.
On Monday, Wednesday and Friday from 2 to 4 p. m. Classes meet for tudy of Froebel system. Mrs. P. S. Knight, Principal.

MOTHER'S CLASS.

raining class, conducted by Mrs. Knight and Miss Ballou. For terms or

OF SALEM.

Transacts a general banking business.

Prompt attention paid to collections. Loans made. Exchange bought and sold on the principal cities of the world.

L. VAN DUYN, J. M. MARTIN, E. M. CROINAN, W. A. CURIOK, W. W. MARTIN, J. H. ALBERT, H. V. MATTHEWS, —Directors.

## The CHICAGO, MILWAUKEE & ST. PAUL RAILWAY.

This Great Railway System Connects

ST. PAUL OMAHA and With all transcontinental lines giving

tion to all EASTERN and SOUTHERN POINTS. AND IS THE

Making its service second to none in the Tickets are on sale at all prominent railroad

# THE SHASTA ROUTE NORTHERN \$

U:

Pullman

Sleeping Cars

Sleeping Cars

ST. PAUL! DULUTH
FARGO
GRAND FORKS
CROOKSTONS
WINNIPEG
HELENA and
BUTTE

For information, time cards, maps and ickets call on or write H. A. THOMAS, Agent, Salem. Or A. D. CHARLTON, Asst. Geul. Pass

## WISCONSIN CENTRAL LINES (Northern Pacific R. R. Co., Lesses.)12

the Wisconsin Central lines run two fact trains daily between at, Paul, Minness ells and Chicago Miwaukee and all points in wiscon-sin; making connection in Chicago with all lines running east and south.

FOR PORTLAND, Leaves Boise's donk Mondays, Wednesdays, and Fridays 7-25 a.m.
HETURNING, leaves Portland Tuesdays, Incredays and calurdays at cole, m. HOUND TRIP (unlimited) \$2.00. One way,

--- MEALS 25 CENTS

Meets Friday from 2 to 4 p. m. with information apply at Kindergarten rooms, corner Court and Liberty streets.

# J. H. ALBERT, Cashier

Travelers "make a note on t."

direct and swift communica-]

:::ONLY LINE ::: -running-1 Electric Lighted and Steam Heated

Vestibuled trains of elegant Bleeping, Parlor, Dining and Buffet; Cars, with Free Reclining Chairs,

licket offices. For further information ask the nearestry

C. J. EDDY, General Agt. J. W. CASEY, Trav. Pass Agt. PORTLAND, Oregon-

Elegant Dining Cars Tourist :

THROUGH TICKETS:

Second Class Sleeping Cars. West Side Division, Between Portland WASHINGTON PHILADELPHIA NEW YORK BOSTON and all Points East end South!

Ar. 5:35 p. m. Lv. 1:00 p. m. 4:40 p. m. Lv. Portland Ar. 8:26 a. m. 7:25 p. m. Ar. McMinuville Lv. 6:50 a. m Agent; Portland, Oregon.

LATEST TIME CARD.

Daily Through Trains.

sin: making connection in Chicago with all lines running east and south.
Tickets sold and baggage checked through to all points in the United States and Canada.
Close connection made in Chicago with all trains going East and South.
For full information apply to your nearest teket agent or
JAS. C. POND,
Gen. Pass. and Tkt. Agt., Milwankes, Wr.

Steamer Altona

Past time for passenger service; no way abding freight handled.

For freight rates and tickets apply to LEIGHT A 7374, at the deck, footget