

The Democrat.

ABOUT ELECTRICITY.

Some Interesting Questions and Answers.

QUESTIONS.

1. How strong a current is used to send a message over an Atlantic cable?
2. What is the longest distance over which conversation by telephone is daily maintained?
3. What is the fastest time made by an electric railway?
4. How many miles of submarine cable are there in operation?
5. What is the maximum power generated by an electric motor?
6. How is a break in a submarine cable located?
7. How many miles of telegraph wire in operation in the United States?
8. How many messages can be transmitted over a wire at one time?
9. How is telegraphing from a moving train accomplished?
10. What are the most widely separated points between which it is possible to send a telegram?
11. How many miles of telephone wire in operation in the United States?
12. What is the greatest candle of arc light used in a lighthouse?
13. How many persons in the United States are engaged in business depending solely on electricity?
14. How long does it take to transmit a message from San Francisco to Hong Kong?
15. What is the fastest time made by an operator sending messages by the Morse system?
16. How many telephones are in use in the United States?
17. What war vessel has the most complete electrical plant?
18. What is the average cost per mile of a transatlantic submarine cable?
19. How many miles of electric railway are there in operation in the United States?
20. What strength of current is dangerous to human life?

ANSWERS.

1. Thirty cells of battery only. Equal to thirty volts.
2. About 750 miles from Portland, Me., to Buffalo, N. Y.
3. A mile a minute by a small experimental car. Twenty miles an hour on street railway system.
4. Over 100,000 miles, or enough to girdle the earth four times.
5. Seventy-five horse power. Experiments indicate that 100 horse power will soon be reached.
6. By measuring the electricity needed to charge the remaining unbroken part.
7. Over 1,000,000 or enough to encircle the globe forty times.
8. Four, by the quadruplex system in daily use.
9. Through a circuit from the car roof inducing a current in the wire or poles along the track.
10. British Columbia and New Zealand via America and Europe.
11. More than 170,000, over which 1,055,000 messages are sent daily.
12. Two million, in lighthouse at Housholm, Denmark.
13. Estimated, 250,000.
14. About fifteen minutes via New York, Canso, Penzance, Aden, Bombay, Madras, Penang and Singapore.
15. About forty-two words per minute.
16. About 200,000.
17. United States man-of-war Chicago.
18. About \$1,000.
19. About 400 miles, and much more under construction.
20. Five hundred volts, but depending largely on physical conditions.

Sitting Bull, the rascally Sioux chieftain, has heard about the Brown Squard Elixir of Youth and is anxious to test its efficiency. He has long contemplated a visit to Washington and is now making his plans to visit the capital some time during the Fall. He has several things he wants to say to the President, but the real nature of his trip is his desire to call on Dr. Hammond and receive an injection of the famous elixir. As the elixir has proved fatal frequently of late, Sitting Bull's scheme should not be blocked.

Somebody says that it makes no difference what a man predicts all he has to do is to keep on predicting, and in this changeable world he will hit it sometimes, and the fools will forget his failures and go wild with wonder because he succeeded once.

The present administration never removes a democrat without cause—'cause some republican wants the place.

Let's see: Wasn't there a man by the name of Blaine who had something to do with this administration once?

Why?—Why do you not go to Waterloo? As a summer resort it is unexcelled. Good level ground, good shade, excellent soda water, good hotel accommodations. Board and lodging from \$5.00 to \$7.00 per week to suit customers. Six miles above Lebanon on the Santiam river. I will be at Lebanon every Saturday at arrival of train to convey parties to Waterloo. Good feed stable in connection with hotel.
J. G. Gross,
Proprietor Waterloo Hotel.

SINGING FOR LUNG DISEASES.

At the present era, when physical culture is a part of the curriculum of our most intellectual schools, and is so generally regarded as a necessary element toward supplying and maintaining the sound body for the sound mind, it is worth while to consider a recent statement of eminent physicians that the mere exercise of singing is a great help toward the prevention, cure or alleviation of lung diseases. In the incipient state of such diseases it is even said to be a powerful aid to a cure. It is, indeed, somewhat curious that the medical fraternity have not exploited the theory of lung exercises by singing more fully heretofore than they are now doing, for the action of calisthenics in developing the chest and of gymnastics in strengthening muscular tissues have for years been a universal practice, although as a matter of fact the mere physical exercise of singing brings into play an extraordinary number of muscles that can hardly be suspected of action in connection with the throat expansion. No matter how thin or weak the voice, children or young people should be encouraged to indulge in song. There can be no happier medicine, and if hearers sometime suffer, they should be encouraged and strengthened to bear the infliction in view of the good it may occasion.

OUR CLERKS

are pleasant fellows and accommodating and

WANT

all persons looking for first-class groceries and all delicacies to call at the W. P. Co's store where

A bargain can be had by man, child or WIFE.

DR. G. A. WHITNEY, Physician and Surgeon.

Graduate of Bellevue Hospital Medical College New York City.
Diseases of woman a specialty.
Office, Froman's Brick, Albany, Or.

A reliable U. S. Standard 3-ton scale, only \$37. Delivered at your nearest railroad station free of freight on thirty days trial. Larger scales at proportionately low prices. Warranted five years.
Address,

F. C. HOFFMAN Albany, Oregon.

FOR SALE CHEAP.—I have a good work horse five year old and past, weighs about 1050 pounds, which I will sell for \$25. For further information call at the DEMOCRAT office or at my residence one mile north of Albany in Benton county.

W. H. WARNER,

SAND, & C.—Persons desiring sand, loam or gravel from the premises of F. L. Such in Benton county, can procure tickets for the same at my office, Crawford's block, Albany, Oregon.
CHAS. E. WOLVENTON.

KINDERGARTEN.—Mrs. Wait Mead recently from New York, will open a school and kindergarten, in the W. C. T. U. Hall, Monday, Sept. 9th, 1889. Terms liberal, patronage solicited, Satisfaction guaranteed.
Mrs. WAIT MEAD,
Albany, Or.

NOTICE OF DISSOLUTION OF PARTNERSHIP.—The partnership heretofore existing under the firm name of Wallace, Thompson & Co., wherein T. L. Wallace, W. S. Thompson & E. LaForest, of the city of Albany, Linn county, Oregon, were general partners, is this 7th day of August, A. D. 1889, dissolved by mutual consent, T. L. Wallace, retiring. The business will be conducted at the same place by W. S. Thompson and E. LaForest, under the firm name, LaForest & Thompson, who will assume all liabilities and collect all accounts due the firm.

Dated this 7th day of August, 1889.
T. L. WALLACE,
W. S. THOMPSON,
E. LAFOREST.

Z. T. WRIGHT,

Foot of Morrison St., Portland, Or.,

—AGENT FOR—



The Advance Threshing Machinery

The best and fastest thresher in America, and a machine that stands without a rival. The ADVANCE thresher has NEVER BEEN REPLACED by any other machine on the Coast, but has replaced several others that HAVE FAILED to fill WARRANTEE. The ENGINE is guaranteed to pull more than any other, and will out travel all others on the road. If you hear any loud boasts, please tell the party the ADVANCE THRESHER and ENGINE are sold on their merits entirely. And I am willing to prove all I claim in my field at any time. Do not be humbugged by buying any machine until you see the ADVANCE. I also handle steam fitting goods, iron pipe, pumps, mowers, seeders, springtooth harrows, blacksmith's forges, drills, church, farm and school bells, and many other specialties.
Albany Branch: House one block below Russ House.

JAS. E. KNOX,
Manager.

These Goods will be sold at the lowest prices by Blain.

A No One Ties Pins Hats Caps Suits Shoes Boots Jeans Cuffs Canes Vests Knives Gloves Scarfs Purse Brushes Chains Charms Shirts Collars Hosiery Rubbers Mittens Trunks Valises Suitings Half Hose Overalls Silk Hats Clothing Oil Goods Silppers Kid Gloves Umbrellas Overcoats Overshoes Undershirts Suspenders Silk Shirts Trousering Pea Jackets Windsor Ties Woolen Drawers Rubber Coats Rubber Boots Leather Coats Handkerchiefs Mackintosh Coats Cardigan Jackets Engineer Jackets Furnishing Goods Tailor Made Suits and many other things too numerous to mention.

L E BLAIN THE LEADING CLOTHIER.

Stick a Pin

in the fact that I am offering better bargains than any one else in Albany Bought at bankrupt sales I can sell

First-Class Goods:

at or below COST.

FOR

General merchandise of all kinds call on me. Particular bargains in a sample shoes.

Cash for Goods or Country produce

G. W. SIMPSON

Albany, Oregon.

FOR THE BEST FURNITURE

—CALL ON THE—

Albany Furniture Company

OPPOSITE STEWART & SON'S,

BED ROOM SETS, TABLES, CHAIRS, UPHOLSTERED GOODS, WALL

ETC. ETC., ET

HAWKINS & FARRELL

At Cost At Cost

TO MAKE ROOM FOR MY LARGE STOCK OF FALL AND WINTER GOODS I WILL SELL MY ENTIRE STOCK OF

BOOTS AND SHOES.

AT COST. THIS WILL BE A CLOSING OUT SALE, AND THEY MUST GO. COME EARLY AND GET

Real Bargains.

AT THE SAME TIME DO NOT FORGET THAT I HAVE A COMPLETE STOCK OF

DRY GOODS

Notions, Furnishing Goods, etc.

WOULD ESPECIALLY CALL YOUR ATTENTION TO THE FOLLOWING LINES:

Dress Goods, Trimmings, Silk, Table Linen, Gloves, Hosiery, Fancy Goods, etc

ALL AT LOWEST CASH PRICE.

RESPECTFULLY,

W. F. READ,

The Leading Cash Dry Goods Store.

HOPKINS & SALTMARSH

—DEALERS IN—

STOVES; TIN WARE, SHEET IRON, COPPER WARE, ETC., ETC.

Agents for "On Time" Heating and cooking Stoves. Job work, plumbing, etc., promptly attended to.

CHEAPEST AND BEST PLACE IN THE CITY

MATTHEWS & WASHBURN,

Carry a first-class stock of

Stoves, Tinware, Hardware, Etc.,

Which they are selling at remarkably low prices.

JOB WORK

carefully and promptly done at reasonable prices.

PURE DRUGS,

Paints, Oils, Stationary, Etc., And Prompt attention

AT

DR. GUISS & SON