EVENING CAPITAL JOURNAL.

VOL. 5. "THE PEOPLE'S PAPER." SALEM, OREGON, SATURDAY, OCTOBER 29, 1892. "TO-DAY'S NEWS TO-DAY." NO. 357.

YEA! Unquestionably the largest stock of CROCKERY
The finest CROCKERY,
The best bargains in CROCKERY,
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BLUE FRONT.

LAMPS, in endless varieties. LAMPS.

Remember that the Blue Front undersells all others on every article in its line.

ALL GOODS SPOT CASH.

State Insurance Block, - - 335 Commercial Street.

WORTH CONSIDERING

Are the Prices at E. F. Osburn's.

Look over this stock and consider prices before buying and you will save money.

HOSIERY AND UNDERWEAR.		SHOES.	
Ladies' Ribbed Vests	30 to 50 cts	Baby Shoes	35, 50, 60, 80 cts and $1 05
" " Wool Vests	65cts, 95cts and $1 25	Children's Dongola, patent tip	$1 15, $1 45 and 2 00
" " " Union Suits	$1 75 to 1 85	" Pebble Goat	1 15, 1 35 and 1 80
Children's Ribbed Wool Union Suits	1 10 to 1 50	Misses' Dongola Shoes	1 00 (special)
" Cotton Underwear	20 to 50 cts	Ladies " "	1 45 and $1 80
" Wool "	40 to 80 cts	" " patent tip	1 60, $1 89 and 2 00
Ladies Cotton Hose	13 to 50 cts	" Fine Dongola	2 15, 2 75 and 3 75
" Wool Hose	25 to 75 cts	Men's Plow Shoes	1 15, 1 45 and 1 05
Children's Wool Hose	25 to 50 cts	" Bal or Congress	1 50 to 4 00

We also carry Ribbons, Laces, Handkerchiefs, Windsor Ties, Curling Irons, Toilet and Laundry Soaps, Silk and Cotton Thread, Rubber Goods, Umbrellas, etc. etc.

E. F. OSBURN, - - 261 Commercial Street.

ED. C. CROSS,

Choice Meats.

Wholesale and Retail Dealer in Fresh, Salt and Smoked Meats of all Kinds,

Largest display in the city at my market. Best services and prompt delivery to all parts of the city.

95 Court and 110 State Streets.

Stoves and Tinware.

Barr & Petzel, Plumbers and Tinners,

214 & 216 Commercial St., Salem. Garden Hose and Lawn Sprinklers. A complete line of Stoves and Tinware. Tin roofing and plumbing a specialty. Estimates for Tinning and Plumbing Furnished.

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MASON & SMITH

GENERAL - CONTRACTORS,

Street Work, Sewering, Excavating, Concrete and Mason Work, Tiling, &c. All work promptly done.

SALEM, - - - - - - OREGON.

Wanted At Once.

Remnants of Dry Goods, Clothing, Boots and Shoes, Hats and Caps, and all kinds of merchandise, either new or second hand, to sell either at private sale or public auction. Also, Household furniture of every description, at the

RED FRONT BAZAAR.
62 State Street.

IRA ERB

Sash and Door Factory

Front Street, Salem, Oregon.

The best class of work in our line at prices to compete with the lowest. Only the best material used

C. N. CHURCHILL T. S. BURROUGHS

CHURCHILL & BURROUGHS,

Tinners, Plumbers, Gas and Steam Fitters;

SHEET METAL WORKERS.

Agents for the celebrated economic force and lift Pump.
100 Chemeketa Street.

FOUND The place to get a Saddle horse, Livery rig, Express, Dray or Truck, Wood, Hay, Mill feed or good well rotted Manure, load of Dirt or Gravel. Call on Ryan & Co., back of Willamette hotel. Prompt and careful work is our motto.

RYAN & CO.

B. F. DRAKE, Proprietor. T. G. PERKINS, General Superintendent

SALEM IRON WORKS,

SALEM, - - - - - - - - - OREGON.

Manufactures STEAM ENGINES, Mill Outfits, Water Wheel Governors, Fruit Drying Outfits, Traction Engines, Cresting, etc. Farm machinery made and repaired. General agents and manufacturers of the celebrated Wahlstrom Patent Middlings Purifier and Reels. Farm machinery made and repaired.

Salem Truck & Dray Co. DRAYS AND TRUCKS always ready for orders. Sell and deliver wood, hay, coal and lumber. Office State St., opposite Salem Iron works. Drays and trucks may be found throughout the day at the corner of State and Commercial streets.

F. T. HART, LEADING MERCHANT TAILOR.

247 COMMERCIAL STREET.

BROOKS & LEGG, PRESCRIPTIONS Carefully compounded day or night.

100 State Street.

STEINER & BLOSSER,

130 STATE STREET.

TINWARE,

ROOFING,

—STOVES,—

Creamery and Dairy Supplies, Steel Ranges, Parlor Heaters in all Styles a Specialty.

CLOTHES WRINGERS AND WASHERS

The best on earth. Give us a call. 10:3-tf.

Capital City Restaurant

Jas. Batchelor, Prop'r.

Warm Meals at All Hours of the Day

None but white labor employed in this establishment.
A good substantial meal cooked in first-class style
Twenty-five cents per meal
RED FRONT
Court street, between Opera House and Minto's Livery

W. Taylor,

House Cleaner, Gardner and General Jobber.

CARPET LAYING AND CLEANING, WHITE-WASHING AND WINDOW CLEANING A SPECIALTY.

Leave orders at Thomas & Johnson's 266 Commercial street.

M. T. RINEMAN
DEALER IN
Staple and Fancy Groceries,

Crockery, Glassware, Lamps, Wooden and Willow ware. All kinds of mill feed. Also vegetables and fruits in their season. "Highest Price paid for country produce." We solici a share of your patronage.
9-9 125 State street

Residence 382 Church St.

J. J. MUTTON,

SIGN AND HOUSE PAINTER,

Decorator, Kalsominer and Paper Hanger.

Leave orders at A. B. Buren & Son's Furniture store or Stout & Gile, Grocers.

NOTICE.

I wish to say to my customers in the lumber trade that I have resigned my position in the Inman, Poulsen & Co. lumber yard here, but still ask the patronage of the contractors, and I will try to make it to every ones interest to call on me and get my prices before purchasing elsewhere. I guarantee as good lumber as is in Oregon and will as ever treat you white.
N. N. MATHEWS.

FOR SALE!

CHOICE TRACTS FOR SUBURBAN HOMES AND FRUIT GARDENS,

Within one-half mile of two electric street car lines and fair grounds station and post-office. Only two and one-quarter miles from the center of Salem. Healthy, beautiful location. Soil extra good, well drained and rich. Price low and terms easy.
8-10-tf H. W. COTTLE.

HOW TO GROW FRUIT In Oregon.

With various remedies for pests and diseases among fruit trees from actual tests
W. S. ELKINS, Horticulturist.
Dallas, Oregon.
15 page book. Price, 25 cents per copy. Every fruit grower should send for a copy. Address
W. S. ELKINS, Horticulturist,
9-24-1m-dw Box 505. Dallas, Oregon.

Proposals for Stationery.

Office of the Secretary of State,
SALEM, Oregon, Sept. 3, 1892.

Sealed proposals will be received at this office until noon, November 8, 1892, to furnish the following articles for the State of Oregon.

10 reams legal cap, 14lb, No. 7 ruling, white laid, cream, charter oak, or Scotch linen.
20 reams first-class congress note, 7lb pkgs., No. 7 ruling, white laid.
15,000 No. 6¾ white envelopes, 60lb No. 1 rag, XXX.
12 gross railroad steel pens, No. 149.
20 gross Gillott's steel pens, No 401.
4 gross Gillott's steel pens, No. 303.
3 gross Esterbrook "J" pens.
10 doz Peck, Stow & Wilcox's inkstands, No 558.
4 doz. Peck, Stow & Wilcox's inkstands, No. 554.
10 doz. Peck, Stow & Wilcox's inkstands, No. 420.
12 doz. ivory folders, 9 inch standard.
4 doz. ivory folders, 10 inch congress.
4 doz. mucilage cups, No. 8, Morgan's patent.
10 doz. mucilage stands, reservoir, No. 6, Morgan's patent.
3 reams Parker's treasury blotting paper, 14lbs assorted colors.
2 gross No. 2 Eagle litecorder lead pencils, style 660.
1 doz Sanford's premium fluid, squirts.
2½ doz. Stafford's writing fluid quarts.
10 doz. gummed stub files, No. 21 11x18 inches, 50 pages.
15 doz. Duplex cupboard letter clips.
10 doz. Faber's rubber rulers, 14-inch flat
15 doz. steel erasers, Roger's No. 18, 149, bone.
3 doz. steel erasers, Roger's No. 18, 149, ebony.
80 boxes Faber's No 300 rubber bands, assorted sizes.
5 gross Faber's led pencils, No. 2, hexagon gilt.
12 gross Faber's lead pencils, No. 2, round gilt.
15 doz. Faber's patent ink and pencil rubber erasers, mammoth.
3000 McGill's patent paper fasteners, No. 2, flat head.
2000 McGill's patent paper fasteners, No. 4, flat head.
15 doz. table pads to hold paper, 19x24 inches, strong leather tips.
12 doz. waste paper baskets, cross-bar No. 4.
20 pounds hemp twine, No. 12
4 doz. Sanford's mucilage quarts.

At the same time separate bids will be received for 15 dozen fine penknives to be described by trade numbers, samples to be exhibited.

Bids should be marked "Proposals for Satationery."

None but the best quality of goods will be accepted.

The right to reject any or all bids is reserved. All the above articles to be delivered at Salem on or before December 28, 1892.
GEO. W. McBRIDE,
9-3-2m Secretary of State.

WILLIAMS & ENGLAND
BANKING CO.

CAPITAL STOCK, all Subscribed, $200,000

Transact a general banking business in all its branches.

GEO. WILLIAMS.....President
WM. ENGLAND.....Vice Presiden
HUGH McNARY.....Cashier.

DIRECTORS: Geo. Williams, Wm. England, Dr. J. A. Richardson, J. W. Hodson, J. A. Baker.

Bank in new Exchange block on Commercial street. 8-19-tf

MONEY TO LOAN.

Special inducements for the next 30 days on good farm loans.

FEAR & HAMILTON,
Room 14, Bush Bank block. 5 12dw

Authorized Capital $500,000.

CAPITAL NATIONAL BANK
Salem, Oregon.

W. A. CUSICK, Pres. W. W. MARTIN, Vice Pres. J. H. ALBERT, Cashier.

State, County and City Warrants bought at Par. dw

For Sale.

Sixty-acre tract near the city. All cleared. Will produce anything that grows in Oregon.

Also a good 7 room house, and barn. Pure well water, 2 choice lots. A bargain.

Also desirable lots and blocks in Pleasant Home Addition on easy terms. Other fine City Property.

Enquire at Wm E Burke's office, over Barr & Petzel's, East side Commercial St., Salem, Oregon.

ELLIS & WHITLEY,
LIVERYMEN.
South of Willamette Hotel,
SALEM - - - OREGON

Money

To loan on Chattel Mortgages. Money on land; no delay. THOMAS & JOHNSON.

Only One.

Chance for a colony, 1600 acres of best bottom land, One-half in cultivation, has small streams and lakes, has $700 crop on now, buildings, etc. Is five miles from Salem, Oregon. One-third cash, and balance in five yearly payments with 6 per cent. interest at 10 per cent.
8-8-tf JOHN H. PAYNE, Agt.

THE CAPITAL JOURNAL.

HOFER BROTHERS, - - - Editors.

PUBLISHED DAILY, EXCEPT SUNDAY, BY THE
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(Incorporated.)
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OUR SATURDAY NIGHT.

* * *

It seems that any display of enthusiasm in this world is likely to subject the displayer to be called a crank. OUR SATURDAY NIGHT has even been dubbed this ephemeral slang term. If this process of including all persons whose success in any line subjects them to this offensive title, there will soon be few stirring people who can escape. Any honest man who is sufficiently in earnest not to notice the small affairs of his neighbor will be called a crank. The editor who is independent enough not to hang around the political boss for his bread and butter will be a crank. Anyone following any honest occupation beyond the money-making point, where mediocrity always stops, will be called a crank. The man who insists upon earning an honest livelihood and who insists on not accepting gifts from anyone, and in paying every cent that can be justly due from him must be a crank under the new definition. So there will come to be a good many cranks in the world, if they are not in the majority already. Be careful then, how you display zeal in your business, faithfulness in the performance of duty, independence of thought or living, lest some disciple of conforming mediocrity call you a crank.

* * *

There are now to be seen some very pretty foliage effects upon the lovely hills and valleys of Oregon. Here we lack the sharp biting frosts of the eastern and middle states that turn the green forests into masses of brilliant colors almost in a single night. But, by slower processes and tardier methods, we get delightful yellows, maroons and reddish browns instead. Standing on the heights of South Salem, one can see an ocean of these delicious milder effects upon the tree foliage. Following the lines of the water-courses the crowns of the tree-tops are brighter. But away from them the lighter tints of our autumn leaves gradually shade off into the everlasting green of the fir forest. Higher on the hills come higher colors of the oaks and other deciduous trees. Occasionally there is a dash of scarlet and rarely a dead tree covered with a scarlet creeper the entire length of its trunk.

* * *

While society is at work suppressing the idiosyncratic tendencies of the individual on one hand, it is engaged in bringing out and heightening the weaknesses and defects of humanity on the other. The man who gets too much liquor on the street is at once branded a drunkard and a besotted wretch. The man who is, for reasons best known to himself, engaged in keeping a saloon is, in many communities, treated as an outlaw and his family ostracised. Yet the man who got drunk and the one who sold it to him may have warm hearts for a fellow man, may love their families as dearly as any and be less of the hypocrite in their entire nature and live nearer the life of an upright moral citizen than they who perch upon the pinacles of morality and preach them down as pariahs. It may be heresy to say this, but it is a fact that while the one injures only himself and his family, the other, if he is not a true man, can do and often does do incalculable harm to a whole community. It does not necessarily follow that because a boy is sent to the reform school that he must therefore be irredeemably bad. It is not a conclusion of facts that every man who is sent to the state prison is necessarily a criminal. Many a good man has been sent there and many a villain goes free from court.

On the incoming train the other day sat a woman with a very pretty rollicking baby of two or three years on her lap. The woman and the child were both pictures of health. They had great honest blooms of health on their faces that many a princess of fashion might envy. They were neatly but plainly dressed in the clothes that hardworking people wear to go on a journey. Inquiry brought out the fact that they were going on a sad mission. A few years before the husband and father of this little family got into a hot altercation with a neighbor. It came to blows and a deadly struggle between the two men. It ended in a prison sentence for one, and the mother and child were going before the governor to sue for his freedom. Here was one of the autumn landscapes of life that no brush can paint the true pathos of and that no words can fully portray. But OUR SATURDAY NIGHT must not let his enthusiasm for this honest woman and rosy-cheeked child run away with him, lest he be dubbed crank by some more moderate and proper brother of the press.

PROFESSIONAL AND BUSINESS ADS

THILMON FORD, attorney at law, Salem, Oregon. Office up-stairs in Patton's block.

L. F. CONN, Attorney at law, room 7, Murphy Block.

H. J. BIGGER, Attorney at law, Salem, Oregon. Office over Ladd & Bush's bank. 2-tf

J. J. SHAW, M. W. HUNT. SHAW & HUNT, attorneys at law. Office over Capital National bank, Salem, Oregon.

S. T. RICHARDSON, Attorney at law, office up stairs in front rooms of new Bush block, corner Commercial and Court streets, Salem, Oregon.

JOHN A. CARSON, Attorney at law. Rooms 3 and 4, Ladd & Bush's bank building, Salem, Oregon. 8 1 1yr

B. F. BONHAM. W. H. HOLMES. BONHAM & HOLMES, Attorneys at law. Office in Bush's block, between State and Court, on Com'l St.

M. E. POGUE, Stenographer and Typewritist. Over Ladd & Bush's bank, Salem, Oregon.

B. H. BRADSHAW, PHYSICIAN AND Surgeon, Salem, Oregon. Office in Bush-Breyman block, upstairs. Residence corner Stateand S. E. corner Winter street.

W. H. YOUNG, M. D., Office formerly occupied by Dr. Rowland, corner Court and Liberty streets. Telephone No. 45. Office hours: 8 a. m. to 12; 2 to 4 p. m., and 7 to 9 p. m. Residence 18th street on electric car line. Telephone No. 9.

DR. W. S. MOTT, physician and surgeon. Office in Eldridge Block, Salem, Oregon. Office hours 10 to 12 a. m. 2 to 4 p. m.

DR. MINTA S. A. DAVIS. Office hours, 9 a. m. to 11 a. m.; 2 p. m. to 5 p. m. Day or night calls promptly attended to. Special attention given to diseases of women and children. Office in New Bank Blk., 305 Commercial street. Residence same.

MRS. S. C. BROOKS, Practical nurse. Many years of experience. Residence in Yew Park, one block west of car line, on Himes' street. 9-19-1m*

DR. T. C. SMITH, Dentist, 93 State street, Salem, Or. Finished dental operations of every description. Painless operations a specialty.

W. D. PUGH, Architect, Plans, Specifications and superintendence for all classes of buildings. Office 290 Commercial St., up stairs.

C. A. ROBERT, Architect, room 424, Marquam building, Portland, Oregon.

D. W. TOWNSEND, Civil Engineer and Surveyor. Office with Oregon Land Co., Salem, Oregon.

P. J. LARSEN & CO., Manufacture of all kinds of vehicles. Repairing a specialty. Shop 45 State street.

PROTECTION LODGE NO. 2, A. O. U. W.—Meets in their hall in State Insurance building, every Wednesday evening.
S. A. McFADDEN, M. W.
J. A. SELWOOD, Recorder.

IMPROVED ORDER OF RED MEN,—Kamiakun Tribe No. 8, Salem. Holds council every Thursday evening, at 7:30. Wigwam in State Insurance hall.
F. C. BAKER, Prophet.
FRANK C. WATERS, Chief of Records

EDUCATIONAL.

Go to the Best.

The place for young ladies and gentlemen to secure a thorough education is the old, but ever new.

WILLAMETTE UNIVERSITY.

Long and still the leading institution of the North West. Better than ever!
New course of instruction in Oratory, Theology and Post-Graduated.
STUDIES.—Normal, Business, Academy, College, and Law courses greatly enlarged and improved.
Faculties increased and improved. For Catalogue of College of Law write Dean S T. Richardson, Esq., Salem, Or.
For Catalogue of College of Medical and Pharmacy write Dean Richmond Kelly, M. D., Portland, Or.
For general Catalogue write Rev. Geo. Whitaker, D. D., President, Salem, Or.
7-25-3m-dw

Conservatory of Music,

WILLAMETTE UNIVERSITY,

SALEM, OREGON.

The course most complete and the highest grade of any music school in the Northwest. Best and newest methods of teaching. Enlarged facilities and new plan for instruction of beginners for the coming school year. Diplomas granted on completion of course. Next term begins September 5, 1892. Z. M. PARVIN,
Send for catalogue. Music Director.
7-29-d2m-w1m

FRIENDS POLYTECHNIC INSTITUTE

Will be opened to students Sept. 13, 1892. Offers the most practical courses of study of any school in the State, viz: Mechanical Engineering, Civil Engineering, Electrical Engineering, Academic and Grammar school courses. Students practice daily in wood shop, machine shop, and laboratories.

Tuition and Board per Year, $150.

Special inducements to a few young men who wish to work for their board and tuition during vacations. For prospectus and further information, address
EDWIN MORRISON, M. S.,
President, Salem, Or.

Miss Ballou's

KINDERGARTEN.

—THIRD YEAR—

Opens Monday, September 19th, at Kindergarten Hall, opposite opera house.

Children received at three years of age and over. A connecting class will be established for advanced Kindergarten pupils and those beginning primary work. Only the best modern Kindergarten methods employed. Frang's system of drawing and color work introduced.

J. H. HAAS,

THE WATCHMAKER,

215½ Commercial St., - Salem, Oregon.
(Next door to Klein's.)

Specialty of Spectacles, and repairing Clocks, Watches and Jewelry.

JAPANESE PILE CURE

A new and Complete Treatment, consisting of suppositories, ointment in capsules, also a box and pills; a positive cure for external, internal, blind or bleeding, itching, chronic, recent or hereditary Piles, and many other diseases and female weaknesses; it is always a great benefit to the general health. The first discovery of a medical cure rendering an operation with the knife unnecessary hereafter. This remedy has never been known to fail. $1 per box, 6 for $5; sent by mail. Why suffer from this terrible disease when a written guarantee is given with 6 boxes, to refund the money if not cured. Send stamp for free sample. Guarantee issued by WOODARD, CLARKE & CO., wholesale and retail druggists, sole agents, Portland, Or. Brooks & Legg agents for Salem, 100 State street, Patton's block. 10-1y-dw

Highest of all in Leavening Power.—Latest U. S. Gov't Report

Royal Baking Powder

ABSOLUTELY PURE

NEW BOOKS AND MAGAZINES

The managers of the new Godey's magazine announce that they will, if necessary, expend a million to make it succeed.

Peterson's magazine is to be made "a first-class literary monthly," beginning with the December number. The price will remain $2.00 a year.

John Habberton, an able literary critic, calls Zola's story "Le Debacle," a grand story—"one which will be treasured and re-read long after the many unclean books which the same author has written have rotted in the gutters from which their inspiration came."

"Mrs. Keats Bradford," is described as a novel "which may save a great deal of trouble to estimable young men as a warning that it is never well to fall in love with a young woman who imagines herself wedded to art."

A book of Henry Ward Beecher's prayers has been published (Ford's, Howard & Hulbert, New York), and a reviewer recalls that many of Mr. B.'s most ardent admirers insist that his prayers were more uplifting than his sermons. A man of true spirituality ought to speak more earnestly and eloquently when pleading with the Almighty, face to face, as it were, than addressing merely human hearers."

An Able novelist has written "Appledore Farm," National Book Co., New York, which is praised as being "not a bad book for women who mean no harm, yet allow their imaginations to run away with them at times."

The first two numbers of the "New Godey's" indicate what its reconstructed form is to be. The October and November contain a complete novel each, departments and literary articles by men and women writers of renown and ability to entertain. It is no longer the "Ladies Book" of the past fifty years—it is a much better fashion magazine than ever; but it is suited to the demands for an all-around first-class monthly and besides being such in contents, it is all that in type and press-work. The illustrations and editorial work are of the highest order.

His publishers (Houghton, Mifflin and company, Boston and New York,) have issued in the best style of letter press and binding "Autumn: from the Journal of Henry D. Thoreau," edited by H. G. O. Blake. In the nearly five hundred broad pages we are given glances of New England's nature poet in the most lovely lights. Here is a man in love with nature indeed. He was enraptured over the scent of decaying ferns, and found beauty in the dying thoughts of the vegetable world. Animals were sacred to him. He loved a fine bracing air. He worshipped the sunrise and sunset in the reverential spirit of a true priest and poet of nature. The bursting of the seed pod of a weed was of more consequence to him than the fall of an empire. He was in the highest sense a poet of morality beautifully wedded to his charming and tender conceptions of nature. In one place he writes: "So live that only the most beautiful wild flowers will spring up where you have dwelt, harebells, violets, and blue-eyed grass." If the poet of nature walks on beds of flowers in spring, he finds his elesyan fields on every hand in a New England autumn. Thoreau lived in and through many of them. His fine nostrils scented their aromatic breath. His sensitive ear heard their low music, softly played on the aeolian harps of half-stripped trees. His poetic soul was intoxicated by their richly-colored foliage; dy brooksides studded with scarlet berries; the shrill treble of the field crickets, whose warning told of harvest past and winter coming. Whoever has not lived from childhood through a score of autumns as they are in Northern, Atlantic or Middle states cannot revel in the charms of Thoreau's realistic descriptions. He was the greatest of American landscape artists; differing from others of this class, he painted earth, sky and water as they are. Yet, too any but lovers of nature we suspect Thoreau must remain a closed book, an enigma.

The democratic trick by which the solidity of the electoral vote of Oregon has been threatened has put a deal of life into the republican campaign. Evidences of increased interest and activity are visible all over the state. The act of the democratic committee has done more to bring out a full vote than all the efforts of republican committee since the campaign opened.—Oregonian.

LIGHTNING NOT ZIGZAG.

Some Popular Errors Corrected by the Photographic Lens.

Several traits of lightning have been discovered by photography that were not previously suspected. This is particularly true of the course taken by a thunderbolt. So ephemeral is the flash—it seldom lasts over a two-hundredth part of a second, and some authorities say that occasionally it endures only a millionth—that the eye can distinguish little beyond the general route traversed.

The poetic and popular conception of the path of lightning is that it is a series of zigzags much sharper than those of a Virginia rail fence. Photography proves, however, that the track does not contain a single angle but is sinuous, like a river. It is a curious fact that in 1856, before this fact was thus established, Mr. James Nasmith declared to the British Association for the Advancement of Science that he had never observed the zigzag form of lightning, but that to his eye the flash always appeared, as in a diagram which is offered, showing only curves and with or without branches or forks.

It is now evident that he was an exceptionally keen observer. Photographs reveal not only the sinuosity of the track, but also the ramified character of many flashes. Sometimes the filaments diverging from the main line are numerous and delicate as the rootlets of a tree or the small tributaries to a river. Whether these branches flow into or out of the principal stream it is not easy to say, yet electricity often discharges itself by a number of routes, the quantity of fluid taking each one being in proportion to the conductivity of the air or other substance through which the current at that point passes.

These photographs of ramified lightning render much more intelligible than was formerly the case some of the stories of thunderbolt freaks. Unquestionably, instead of one solitary current skipping to and fro around the room or among several buildings, as has been supposed was the case in several instances the stream has divided into several, each taking a tolerably direct course to the earth.

Besides the sinuous and ramified types, photography shows the existence of a ribbonlike streak, flat, thin and wavy, quite distinct from other forms. Then, too, there is the "meandering" variety, which wanders all over creation without any distinct aim. Still another record made by photography is called "dark" lightning, because the streak produced when a print is made from the negative is black and not white. Precisely how this effect is caused has not yet been satisfactorily explained. One suggestion is that it is due to overexposure of the photographic plate. A similar result is obtained with the sun sometimes, where the very intensity of the light reverses the effect. It might also, it is thought, be produced by a previous flash occurring just before the plate was exposed and leaving a line of nitrous oxide in the air along its route.

A subsequent flash, slightly farther away, would illuminate the whole field, but fail to penetrate the streak. Absorption of the rays would occur somewhat as in the case of the gas in the spectrum.—New Haven Palladium.

Too's His Word for It.

He was faultlessly attired and was waiting at the street crossing for an opportunity to get through the stream of vehicles. A cab driver turned his vehicle out of the track, and as it passed close to the curbstone it struck a loose paving block, throwing a shower of mud over the dude.

"What do you mean by that?" cried the bespattered young man. "If you will climb down from that seat I'll knock your head off."

The driver stopped. "Can you do it?" he inquired.

"Yes, I can, and I'll prove it, too, if you will get down!"

"Well, if you're sure you can do it I guess I'll stay where I am if it doesn't make any difference to you," said Pat as he drove on smiling broadly.—Chicago Mail.

Sighting a Cannon.

A clever utilization of photography, for the purpose of correctly sighting a cannon, is due to the ingenuity of Marquis de Fontenay Bonin, a naval captain. He uses the tir optique. The object aimed at being reflected on a plate the marksman has only to keep sight of his cannon on to the image reflected on the plate. This is done by a small, delicately arranged mechanical apparatus. The image of the pointer of this instrument is on the object on the plate when the gun is fired.—New York Journal.