

SCIENTIFIC MISCELLANY.

THE NEW WARFARE.

Results obtained at Washington with Mr. F. H. A. Snyder's system of throwing high explosives from ordinary guns have been sustained in some important tests made by the Turkish government. A target weighing over twenty tons, and consisting of twelve one-inch-thick steel plates welded together and backed with a massive oak frame, was set up, and was completely demolished by the explosion of a single nitro-gelatin shell from a six-inch rifled howitzer 650 feet distant. Ten shells were discharged without the slightest injury to the gun. Each shell was charged with ten pounds of a mixture of ninety-four per cent of nitro-glycerine and six per cent of a compound of collodion, gun-cotton, camphor and ether. This explosive is said to be much less liable to accidents and much more powerful than ordinary dynamite, whose nitro-glycerine is only about seventy-five per cent.

THE ENDLESS RAILWAY.

A successful application of an old idea has lately been made by Mr. William Fender, of Buenos Ayres. By means of certain improvements, he claims to have overcome the difficulties experienced in using an endless railway to embrace the wheels of vehicles having to traverse soft soil. The railway consists of a chain of flat slabs of hard wood, which are riveted between thin steel plates, and are linked together, the chain encircling the wheels, so that, as they turn, the blocks form themselves into a broad track in front. The system has proven very effective in carting heavy loads across roadless tracts in South America and over swampy grounds near Berlin; and it is believed that the device would be valuable for steam engines for plowing.

A NEW BIRD CATCHER.

The public monuments of Vienna are being not only disfigured but actually destroyed by the guano deposited by pigeons. Wire trellises have proven unavailing for protection of the statues and buildings, and as a last resort M. Trichy, the engineer having charge of the monuments, urges a war of extermination upon the birds. He recommends the novel plan of intoxicating the pigeons by feeding them with alcohol-soaked peas, which would render slaughter easy, while the volatile intoxicant would not impair the value of the flesh as food.

AVIAN LONGEVITY.

It has been observed that many birds, such as the eagle, the swan and the raven live more than a century. The parrot, the heron, the goose and the pelican have been known to reach sixty years; the peacock, twenty-five; the pigeon, twenty; the crane, twenty; the goldfinch, fifteen; the lark, thirteen; the blackbird, twelve; the canary, twenty-four; the pheasant fifteen; the thrush, ten; the cock, ten; the robin, twelve; the wren, only three.

ARTIFICIAL VARIETIES OF BEETLES.

A Belgian entomologist has produced the numerous color-varieties of certain coleoptera by chemical means, though he does not claim that his process is that of nature. Alkalies and acids give colors varying from brown through red to yellow, and calcic chloride and heat yield all the tints from green to violet.

The channel of the Congo can be traced for a hundred miles out to sea as a remarkable submarine valley having a depth of 1,432 feet just at the river's mouth.

The magnetic properties of iron have been found by M. P. Ledebor, to be unaffected up to a temperature of 1,100 degrees Fahrenheit, beyond which they are rapidly lost, becoming scarcely perceptible at 1,300 degrees, and entirely disappearing at 1,350 degrees. They return in the same way as the metal cools.

Two telegraph wires, each about six miles long, are to be laid in Spain expressly for studying earth currents and atmospheric electricity. The lines will cross each other at the astronomical observatory of San Fernando, one running due east and west, the other due north and south.

German foot soldiers are deriving benefit from discarding stockings and keeping the feet well oiled.

DEMOCRATIC STATE CONVENTION.

A democratic state convention for the state of Oregon is hereby called to meet at Pendleton, Umatilla county, on Tuesday, April 3, 1888, for the purpose of nominating a candidate for member of congress, a candidate for judge of the supreme court, six delegates to the national democratic convention, and six alternates; to ratify the various district nominations, and such other business as may properly come before the convention.

Said convention will be composed of 155 delegates, apportioned to the various counties on the vote cast for candidate to congress at the election of 1886, being one delegate for each county and one for every 200 and fraction over 100 votes so cast. In accordance with said apportionment, the respective counties will be entitled to the following representation:

Baker	5	Linn	9
Benton	6	Malheur	2
Clackamas	7	Marion	9
Clatsop	5	Morrow	4
Columbia	3	Multnomah	17
Cook	4	Polk	3
Crook	4	Tillamook	3
Curry	2	Umatilla	2
Douglas	6	Union	8
Gilliam	3	Wasco	6
Grant	5	Washington	6
Jackson	7	Wallowa	2
Josephine	3	Yamhill	6
Klamath	3		
Lake	2	Total	155
Lane	7		

The committee respectfully recommends that the county conventions for the election of delegates to the state convention, unless otherwise ordered by the local county committee, be held on Saturday, March 24, 1888. B. GOLDSMITH, Chairman Democratic State Central Committee.

Stoves and Tinware!



R. P. UNGERMAN, HAS JUST RECEIVED A LARGE AND well-selected stock of Stoves and Tinware, and proposes to sell cheaper than any house in the county. Everything kept on hand, and repairing done satisfactorily, and without delay. Sept. 29, 1877. LAFAYETTE, OREGON.

THE AMERICAN MAGAZINE

Beautifully Illustrated. 25 cts., \$3 a Year. ITS SCOPE.—THE AMERICAN MAGAZINE gives preference to national topics and scenes, and its literature and art are of the highest standard. Famous American writers fill its pages with a wide variety of interesting sketches of travel and adventure, serial and short stories, descriptive accounts of our famous countrymen and women, brief essays on the foremost problems of the period, and, in short, this Magazine is Distinctively Representative of American Thought and Progress. It is acknowledged by the press and public to be the most popular and entertaining of the high-class monthlies. IMPORTANT.—A Specimen Illustrated Premium List, and Special Inducements in Cash or Valuable Premiums to Club Builders, will be sent on receipt of 15c., if this paper is mentioned.

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To Squirrels and Gophers!

Made by a new process, never fails to give satisfaction. Every can warranted the best. Prepared in such a way that squirrels eat it in preference to green grass, etc. Over 50,000 cans sold last year. Ask your druggist or dealer for it, and take no other.

Williams and Hibbs.

Merchants Tailors. The Only First Class Tailoring Establishment in the County. Good work and low prices. McMINNVILLE, OREGON. July 22-87.

Summons.

In the circuit court of the state of Oregon for Yamhill county: S. C. FORCE, Plaintiff, vs. JANE FORCE, Defendant. Suit for Divorce. To Jane Force, defendant: In the name of the state of Oregon, you are hereby required to appear and answer the complaint filed against you in the above entitled suit on or before the first day of the next regular term of said court, which is Monday, March 26, 1888, and if you fail to answer, or want thereof the plaintiff will apply to the court for a decree dissolving the bonds of matrimony existing between plaintiff and defendant, and for the care and custody of the child, and for the support of the child, and for such other relief as the plaintiff's real estate to-wit: Beginning at a point 7 feet east of the southwest corner of lot 7, block 17, of the town of McMinnville, Yamhill county, Oregon, thence east 211 feet, north 100 feet, west 214 feet, north 100 feet to place of beginning, and for such further relief as shall be just.

This summons is published six weeks in the Oregon Register by order of Hon. H. P. Boise, judge of said court, made at chambers, January 20, 1888. FENTON & FENTON, Attorneys for Plaintiff.

Patents.

Our office is opposite U. S. Patent office. We have no sub-agencies, all business direct, hence can transact patent business in less time and at less cost than those remote from Washington. Send model, drawing or photo, with description. We will send you a free copy of the patent if granted. Our fee not due till patent is secured. A book, "How to Obtain Patents," with references to actual clients in your State, county, or town, sent free. Address—C. A. SNOW & CO., Opposite Patent Office, Washington, D. C.

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COME AND SEE ME, Farming Implements

AND I WILL MAKE YOU MONEY, FOR I Am Underselling Them All. Buggies, Carts, Hacks, Wagons, Buford plows, and a full line of farming implements. Am Agent for the Celebrated Steel Skin LaBelle Wagon, the Best in the World. FRANK O'CONNOR, Lafayette, Oregon.

Notice for Publication.

LAND OFFICE at OREGON CITY, Oregon, Jan. 30th, 1888. Notice is hereby given that the following named settler has filed notice of his intention to make final proof in support of his claim, and that said proof will be made before the county judge or county clerk of Tillamook county, at Tillamook, Oregon, on Saturday, March 17, 1888, viz: Frank M. Elliott. Homestead entry No. 6301 for the w 1/2, s 1/2 and s 1/2 of sec 4 and sec 4 of aw 4 sec 23, T 1 S. R 10 W. He names the following witnesses to prove his continuous residence upon, and cultivation of, said land, viz: G. W. Fearnside, John G. Day, Edward Johnson and Joseph H. Christ, all of Tillamook county, Oregon. W. T. BURNETT, Register.

Notice for Publication.

LAND OFFICE at OREGON CITY, Oregon, Jan. 27th, 1888. Notice is hereby given that the following named settler has filed notice of his intention to make final proof in support of his claim, and that said proof will be made before the county judge or clerk of Yamhill county, Oregon, at Lafayette, Oregon, on Wednesday, March 14th, 1888, viz: I. O. Hanchett, Homestead Entry No. 5637. For the s 1/2, n 1/2 and the s 1/2 of n 1/2 and n 1/2 of w 1/2, sec 25, T 5 S, R 9 W. He names the following witnesses to prove his continuous residence upon, and cultivation of, said land, viz: Fuqua, Amos Fuqua, Francis Mercier and Robert Mulligan, all of Lafayette, Yamhill county, Oregon. W. T. BURNETT, Register.

Summons.

In the circuit court of the state of Oregon for Yamhill county: JOHN W. BRIDWELL, Plaintiff, vs. GEORGE M. BEELER, Defendant. To George M. Beeler, defendant above named: In the name of the state of Oregon you are hereby required to appear and answer the complaint filed herein against you in the above entitled cause on or before the 26th day of March, 1888, that being the first day of the next regular term of said court, next after due service of this summons upon you by publication as by law provided, and if you fail so to answer the plaintiff will take judgment against you for the sum of \$60, with interest thereon from May 30, 1885, at ten per cent per annum; for the sum of \$50.75 with interest thereon from October 23, 1885, and ten per cent per annum; and for the sum of \$19.75 with interest thereon from November 4th, 1885, and ten per cent per annum; and for the sum of \$25 attorney's fees, and the costs and disbursements of this action, and an order of sale of the real and personal property attached in said cause. This summons is published in the OREGONIAN by order of Hon. H. P. Boise, judge of said court, made at chambers in Salem, Oregon, January 24th, A. D. 1888. FENTON & FENTON, Attorneys for Plaintiff.

Advertise Rates are Reasonable.

Narrow Gauge System. Oregonian Railway, Ltd. Line. Portland & Willamette Valley R'y. Until further notice trains will arrive and depart from Lafayette as follows, to and from Portland.

LEAVE	MAIL	LEAVE	
Portland	7:30 a m	Albion	11:30 a m
Lafayette	9:35 a m	Sheridan	2:00 p m
Lafayette	10:05 a m	Lafayette	2:25 p m
Sheridan	11:55 a m	Donder	4 p m
Airline	2:27 p m	Portland	(ar) 6 p m

For further information apply to the Company's Agent at Lafayette, or address General Office, corner Second & Pine Str., Portland Ogn.

Subscribe for the Register.

Summons.

In the circuit court of the state of Oregon for Yamhill county: W. T. Booth and Elza Wright, partners under the firm name of Booth & Wright, plaintiffs, vs. H. S. Stephens, defendant. To H. S. Stephens, defendant: In the name of the state of Oregon, hereby required to appear and answer the complaint filed against you in the above entitled cause on or before the 1st day of the next regular term of the circuit court of Oregon, to-wit: on the 26th day of March, 1888, and if you fail to answer as required the plaintiff will apply to the court for judgment against you as prayed for in the complaint herein, to-wit: For a judgment said defendant for the sum of \$1000 per cent interest thereon from March 1885, and their costs and disbursements of this action and attorney's fees. This summons is published by order of R. P. Boise. A. M. HILL, Attorney for Plaintiff.

Summons.

In the circuit court of the state of Oregon for Yamhill county: W. M. Wardle, plaintiff, vs. John Wardle, Randolph M. Wardle, Nancy Wardle, Rosklyne A. Tickner, Henry Tickner, Harriet E. Packwood, E. Packwood, St. Clare M. Wardle, Deliaugh A. Wardle, Daisy A. Wardle, Alfonso W. Wardle and Mable E. Packwood, defendants. To John Wardle, Randolph M. Wardle, Nancy Wardle, Rosklyne A. Tickner, Henry Tickner and Mable E. Packwood, defendants: In the name of the state of Oregon, hereby required to appear and answer the complaint filed against you in the above entitled cause on or before the 26th day of March, 1888, that being the first day of the next regular term of said court, next after due service of this summons upon you by publication as by law provided, and if you fail to answer as required the plaintiff will take judgment against you for the sum of \$50, with interest thereon from May 30, 1885, at ten per cent per annum; for the sum of \$50.75 with interest thereon from October 23, 1885, and ten per cent per annum; and for the sum of \$19.75 with interest thereon from November 4th, 1885, and ten per cent per annum; and for the sum of \$25 attorney's fees, and the costs and disbursements of this action, and an order of sale of the real and personal property attached in said cause. This summons is published in the OREGONIAN by order of Hon. H. P. Boise, judge of said court, made at chambers in Salem, Oregon, January 24th, A. D. 1888. FENTON & FENTON, Attorneys for Plaintiff.

Summons.

In the circuit court of the state of Oregon for Yamhill county: JOHN W. BRIDWELL, Plaintiff, vs. GEORGE M. BEELER, Defendant. To George M. Beeler, defendant above named: In the name of the state of Oregon you are hereby required to appear and answer the complaint filed herein against you in the above entitled cause on or before the 26th day of March, 1888, that being the first day of the next regular term of said court, next after due service of this summons upon you by publication as by law provided, and if you fail so to answer the plaintiff will take judgment against you for the sum of \$60, with interest thereon from May 30, 1885, at ten per cent per annum; for the sum of \$50.75 with interest thereon from October 23, 1885, and ten per cent per annum; and for the sum of \$19.75 with interest thereon from November 4th, 1885, and ten per cent per annum; and for the sum of \$25 attorney's fees, and the costs and disbursements of this action, and an order of sale of the real and personal property attached in said cause. This summons is published in the OREGONIAN by order of Hon. H. P. Boise, judge of said court, made at chambers in Salem, Oregon, January 24th, A. D. 1888. FENTON & FENTON, Attorneys for Plaintiff.

Summons.

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Notice.

The Lafayette Flouring run on full time until notice. SUTER & DAN

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MUSTANG LINIMENT. THE GREAT REMEDY FOR ALL PAINS AND AFFECTIONS OF THE MUSCLES AND BONES. It is a powerful and penetrating liniment, and is used in all cases of rheumatism, neuralgia, sciatica, lumbago, sprains, strains, bruises, contusions, and all other painful affections of the muscles and bones. It is also used in all cases of neuralgia, sciatica, lumbago, and all other painful affections of the nerves. It is a powerful and penetrating liniment, and is used in all cases of rheumatism, neuralgia, sciatica, lumbago, sprains, strains, bruises, contusions, and all other painful affections of the muscles and bones. It is also used in all cases of neuralgia, sciatica, lumbago, and all other painful affections of the nerves. It is a powerful and penetrating liniment, and is used in all cases of rheumatism, neuralgia, sciatica, lumbago, sprains, strains, bruises, contusions, and all other painful affections of the muscles and bones. It is also used in all cases of neuralgia, sciatica, lumbago, and all other painful affections of the nerves.