WHAT DYNAMITE IS

AND HOW IT IS MADE

Interesting Information Concerning a Much-Used and Little-Known Explosive.

composed of ordinary glycerine and secretary of the interior. nitric acid, compounded together in It is extensively made and consumed the property is rendered valueless. in the United States under the vari- Needs Artistic Touch. ous names of Giant, Hercules, Jupiter and Atlas powders, all of which contain anywhere from thirty to eigty ditch and get the water to the land per cent of nitro-glycerine, the resi- and the sun and the earth and the due of the compound being made up Lord do the rest," Mr. Swigert conof rotten stone, non-explosive earth, tinued. "As a matter of fact the sawdust, charcoal, plaster of paris, artistic touches are applied after the that takes up the glycerine and age is all important. Land that is makes a porus, spongy mass.

Salvero, an Italian chemist, in 1845. Dynamite is prepared by simply kneading with the naked hands moist brown sugar. Before mixing the infusorial earth is calcined in a furnace, in order to burn out all or- fall furnishes the water supply." paper, and the firing is done by fulprovided with patent exploders. Nitro-glycerine is made of nitric acid to which is added ordinary glycerine, pure water. The infusion is composed of small microscopic silicious Moved Canal Up Mountain. headache when placed in a small freezes as 40 degrees Fahrenheit, becoming a white, half crystalized mass, which must be melted by the or about 100 degrees Fahrenheit.

# WE EXPORT SOME TEETH.

Some idea of the general use of false teeth may be gathered from the statement that 20,000,000 of them are exported from America to Eng. Sums Too Vast. land every year. When we consider off than England in this respect.

### IRRIGATION WONDERS

Government Engineer Tell Some Interesting Things About Projects Now Under Construction.

Few people know what dynamite farming experience is the best asset of acres. More than 5,000 acres of "I never read the ads in a paper. I if taken in time. Use salt and water plaintiff will take judgment against is, though the word is in common use. for the newcomer on irrigated lands, It is a giant gun powder; that is, an says C. H. Swigert, supervising enexplosive material varying in gineer for government reclamation and hops. The Okanogan project vertising. strength and safety of handling ac- projects in Washington. Swigert will cost about \$600,000, and will cording to the percentage of nitro- with the supervising engineers of water about 10,000 acres, of which goods store and priced some dress glycerine it contains. Nitro-glycer- other district attended the meeting 3,500 are already supplied with ginghams. When told the price, she Two teaspoonsful in half a pint of ine, whence it derives its strength, is held recently with R. A. Bailinger, water, the distributing system having asked, "You will sell at the same fig-

certain proportions and at a certain failures on irrigated lands are the project will create a reservoir which dealer hesitated a minute and said, bathing night and morning with sait temperature. Nitro-glycerine, though men who think they know about will store 13,000 acre feet of water. "Yes; if he can afford to sell at that not the strongest explosive known, farming." he asserted. "Men who being exceeded in power by nitrogen have had previous experience on will be applied continuously or by left he reasoned thus: "If and other products of chemistry, is farms come west with the idea that the rotative plan, i. e., one section advertises and fixes a price that I eyes, and if applied in time will scatthus far the most terrible explosive they have nothing left to learn. As getting water during a certain period have to meet, I'll fix my own prices manufactured to any extent. Nitro- a result they give the land too much of time; other sections being sup- by advertising." glycerine by itself is not safe to water or too constantly; it sours or plied in their turn. handle, hence dynamite is preferred. the alkali comes to the surface and

"Many people think you dig a black powder or some other substance crop has been sowed. Under drainsoggy must be artificially provided Nitro-glycerine was discovered by with under drainage.

Much of the land that we irrigate. however, will drain itself if not given too much water. But I find that in wenty-five per cent of infusorial nearly every case the newcomer earth and seventy-five per cent of wants to use too much water. Plant nitro-glycerine until the mixture as- life, though, needs only so much sumes a putty condition, not unlike water. More than that is injurious. This is true of irrigated land, as it is of those sections where natural rain-

Mr. Swigert is just completing the free it of large grains. While still Tieton project, the largest ever unmoist it is squeezed into cartridges, dertaken by the government in which are prepared of parchment Washington. It involves some extremely difficult and peculiar enminate of silver in copper capsules gineering features. In places the canal hangs on the mountain side; in another place it passes through a one part and sulphuric acid two parts, tunnel 10,000 feet long. The whole twelve miles of its length is lined and the mixture is well washed with with cement to keep the water from leaking away.

shells, which have lost their living It was not found practicable to uct to depend on as is the case in give up Williams. It was stated that creatures. The cellular parts receive spread the cement out in layers like other localities. We have vast forthe nitro-glycerine and hold it, by a cistern is lined, so the canal was ests of redwood. fir, sugar pine, Admiral Schroeder Attorney General capillary attraction, both inside and built entirely down in the valley be- cedar, etc., mammoth ledges of cop- Malone will take the matter up with plaintiff filed against you in the out. The earth is very light. Water fore it was moved up on the moun- per and other minerals; rich fruit, the authorities at Washington. is expelled from it by means of a tain side and set in place. It was, of grain, dairy and stock lands; the furnace, and then, in the form of a course, impossible to make it all in Klamath, Rogue, Smith, Chetco, powder, it is mixed with nitro-gly- one piece, so semi-circular forms Winchuck, Pistol, Sixes and other cerine. Nitro-glycerine has a sweet, eight feet in diameter and trans- streams flowing through an undevelaromatic pungent taste, and the pe- versely two feet wide were molded. oped empire which will furnish un- to F. P. Hixon, E 1/2 of NE 1/4 sec. swer on or before said date the plain- ty High School building in Klamath culiar property of causing a violent These were found to fit perfectly to- limited power for all manufacturing 30 and W 1/2 of NW 1/4 sec. 32, twp. tiff will take judgment against you Falls as follows: quantity on the tongue or wrist. It tunnel the shapes were made six to appreciate what awaits the railfeet in diameter, circular in form.

The canal carries 300 second feet and supplies 30,000 acres of rich application of water at a temperature land with water; this land all being less than twenty miles from North

At the present time a dam is unand will be completed in 1910.

that probably not more than half number of gallons a reservoir will The terrific destruction wrought by Irvine Family Investment Co., SW 1/4 the inhabitants of Great Britain in- hold is because the sums are too mines in the Japanese war has ren- of NE 1/4, sec. 1, twp. 15S, r. 11 E, dulge in the luxury of false teeth, no great for comprehension," Mr. Swidered it certain that no captain of W. M. matter how many grinders they may gert explained. "An acre foot of a costly modern battleship will jeophave lost, these figures would seem water means that water to the depth ardize a ten-million-dollar vessel by McCormick to the United States, a to indicate that nearly everyone in of one toot has been spread ove; one venturing into properly mined rivers strip of land 400 ft. wide on the left L. Frazier, defendant. England suffers from defective or acre 'to reduce it to gallors you or harbors. missing teeth. As far as observation multiply by 300,000 With the resgoes, the United States is no better ervoir holding 34,000 acre feet using W. J. Williams of Keno was in the 9, 10, 11, 12 and 13 of sec. 36, twp. gon, you are hereby required to apthe multiple suggested you have 10,- city last week.

200,000,000 gallons. Isn't that a lit- AS USUAL-IT WAS THE WOMAN tle hard to comprehend?"

Mr. Swigert is building a dredge on the Sunnyside canal in Wasning. ping. She first entered a furniture Ability to learn without previous ord feet, and will water about 10,- these hammocks for two weeks." It is one of the best gargles for sore and if you fail to so appear and anthis amount is now under intensive go till I find what I want." Where- to clean willow furniture, apply with you for the sum of \$1,130.67 and for cultivation, producing fruit, alfalfa upon the furniture man ceased ad- a brush and rub dry. Salt and water his costs and disbursements of this been completed. The Conconnully are that -"The men who make the greatest dam now being constructed for this ginghams for, won't you?" The of the feet and limbs can be cured by

## ENDORSES STATE OF SISKIYOU

county, Cal., Record endorses the whole universe that they chatter embryo project for an organization of a new State out of portions of Southern Oregon and Northern California. It says:

"Del Norte county and a great portion of Siskiyou would fit well into the State of Sisklyou, while to the north of it lies Curry county, which is dependent on California more than town. Mass., states that complicait is on its own State-Oregon.

improve the harbors along the the Atlantic fleet to surrender David has no need of a purse. coasts of Del Norte and Curry coun- W. Williams to answer for the death ties, but influence has been brought of H. H. Foster, a mess attendant on worth try to borrow one. to bear to kill such projects. Work the battleship Vermont, who died has been done to improve Humboldt after a boxing bout with Williams on but one. bay sixty miles south of this place, that vessel, when Detective Bradford and at Coquille river one hundred of the state police demanded Will- climates without a single temple and miles north. In the neglected por- iams of the naval authorities to antions are a number of harbors-open | swer a charge of manslaughter. Adports-that are all that can be de- miral Schroeder in refusing to give sired during the summer months, the man up to the state authorities but are exposed to southerly storms stated that he did not deny the jurisduring winter months. They require diction of the state, but that the gov-

county, Ore., to the southern line of vestigation had been concluded bemiles-in fact, to the Cascade moun- promised Bradford that he would tains-is the richest section of the notify him of the result of the in-Pacific Coast. There is no one prod- quiry and as to whether he would gether when set in place. In the plants. One must go over the field 24 S. r. 9 E. W. M. road that will surely be built."

# OUR COAST DEFNESES.

We clip the following interesting W. M. item from the Scientific American:

der construction which will store the the Alaska-Yukon-Pacific exposition of SW 14, sec. 2, twp. 39 S, r 10 E, waters from Bumping lake in a huge contains a model exhibit of the sys- W. M. reservoir holding 34,000 acre feet, tem of protecting harbors by mines of the Pacific coast how perfectly side of lot 11, in block 49, city of secure against the entrance of hostile Klamath Falls. "The reason we do not state the ships their harbors may be made.

A woman came down town shopton which will increase the flow of store and bought a hammock. The a tooth powder it will keep the teeth lication of this summons for you to the channel from 650 to 1,000 sec- dealer said, "I have been advertising white and the gums hard and rosy, appear and answer said complaint,

Another woman called at a dry Water supplied by these systems price, I can, too." After the woman

> Then some women go about saybe enlarged by placing the ballot in her hand. Heigh-ho! Poor little dears! So innocently do they run the of salt

away and shape even the destinles of nations while sipping tea or change business policies while buying a yard of lace.

## NAVY AND STATE CLASH

A recent dispatch from Provincetions between the state and federal ready to bite him. "For many years efforts have been authorities are probable as the result made to secure government aid to of a refusal by Admiral Schroeder of ernment had instituted an inquiry, "From the northern line of Curry and he wished to wait until that in-

# REAL ESTATE TRANSFERS

Vica Kundert and H. G. Kundert

Chas. S. Haas and wife to Weyerhaeuser Timber Co., lot 7 in sec. 6, tion. lot 1, the E 1/2 of NW 1/4, SE 1/4 of by publication in the Klamath Repub-SW ¼, and lot 1 and the NE ¼ of lican, a newspaper of general circula-

J. A. Gregory et ux. to D. B. Camp- 1909. which will serve to show the people bell, trustee, 52 ft. of the easterly Aztec Land and Cattle Co. to the

bank of the Klamath river in the NW 14 of the SE 14 and in lots 8.

#### WHAT SALT WILL DO.

take off tea stains. Put into white- the date prescribed by the above enheld in the mouth after having a action. tooth pulled wil stop the bleeding. Prints rinsed with it in the water will by publication in the Klamath Rehold their color and look brighter. publican, a newspaper of general cirtepid water is an emetic always on hand, and is an antidote for poisoning from nitrate of silver. Neuralgia and water as hot as can be borne. When taken out, rub the feet briskly of date the 12th day of September, with a coarse towel. Salt and water 1909. is one of the best remedies for sore ter the inflammation. Silk handkerchiefs and ribbons should be washed 7-29, 9-12 Attorneys for Plaintiff. in sait and water and ironed wet to obtain the best results. As a fertilizing that woman's influence should er salt is very valuable. Food would be insipid and tasteless without it. Hemorrhages of the lungs or stomach are promptly checked by small doses

### WORDS OF WISDOM.

A good fame is better than a good A young man idle, an old man

When fools go to market pedlers

make money. A good paymaster never wants

When a dog is down everyone is He who serves well need not be

afraid to ask his wages. He who has four and spends five

If you would know what a dollar is He who buys wants a hundred

eyes, and he who sells need have Gold is an idol worshiped in all

by all classes without a single hypo-J. G. Pierce and family returned

from their Crystal creek retreat Mon-

## SUMMONS.

day afternoon.

Del Norte county, and inland many fore acting further in the matter. He In the Circuit Court of the State of Oregon for Klamath County. J. Frank Adams, plaintiff, vs. F. O. Pierce, defendant,

To F. O. Pierce, defendant:

In the name of the State of Oregon, you are hereby required to appear and answer the complaint of the above entitled cause on or before the 11th day of September, 1909, being the date prescribed by the above entitled Court in the order for the pubfor the sum of \$1,332 and for his

This summons is served upon you NW ¼, sec. 13, twp. 38 S, r. 11 E Klamath County, Oregon, by order of the Hon. George Noland, judge of the the Hon. George Noland, judge on the Falix D. Duncan to F. P. Hixon, lot above entitled Court, made on the The War Department exhibit at 4, the S 1/2 of the NW 1/4 and NW 1/4 3d day of July, 1909. The first publication of this summons is of date July 29th, 1909, and the last will be of date the 12th day of September,

RICHARD SHORE SMITH,

D. V. KUYKENDALL, 7-29, 9-12 Attorneys for Plaintiff.

# SUMMONS.

In the Circuit Court of the State of Oregon for Klamath County.

J. Frank Adams, plaintiff, vs. G.

To G. L. Frazier, defendant: -

In the name of the State of Orepear and answer the complaint of the

plaintiff filed against you in above entitled cause on, or before the A little rubbed on the cups will 11th day of September, 1909, being wash it will make it stick better. As titled Court in the order for the pub-

throat and a preventive of diphtheria swer on or before the said date the

This summons is served upon you ulation, published at Klamath Falls, Klamath County, Oregon, by order of the Hon. George Noland, judge of the above entitled Court, made on the 3d day of July, 1909. The first publication of this summons is of date July 29th, 1909, and the last will be

RICHARD SHORE SMITH,

D. V. KUYKENDALL,

### SUMMONS

In the Circuit Court of the State of Oregon for the County of Klamath. Rose E. Keesee, plaintiff, vs. John Cotes, defendant.

To John Cotes, the above named defendant.

Suit to quiet title.

In the name of the State of Oregon, you are hereby required to appear and answer the complaint against you in the above entitled suit on or before the 16th day of September, 1909, being the last day of the time prescribed in the order for the publication of this summons, the first publication hereof being on the 5th of August, 1909; and if you fail so to appear and answer, for want thereof the plaintiff will apply to the Court for the relief prayed for in the complaint herein, to-wit: for a decree that the defendant has no right, title or interest in or to the following described real property: NW 1/4 of NW4, E4 of SW4 and W4 E1/2 of Section 36, Township 39 South, Range 11 East of Willamette meridian, and for the costs and disbursements of this suit and for such other and further relief as to the Court may seem just and equitable,

This summons is served by publication thereof in the Klamath Republican by order of Hon. George Noland, Judge of the Thirteenth Judicial district of the State of Oregon. made, dated and filed in this suit at Klamath Falls, Oregon, on the 30th day of July, 1909, which said .:der requires that summons in this suit be published once a week for a period of six successive and consecutive weeks from the 5th day of August,

J. C. RUTENIC,

H. W. KEESEE, 7-29 8-23 Attorneys for Plaintiff.

## NOTICE OF EXAMINATIONS

NOTICE is hereby given that the County Superintendent of Klamath lication of this summons for you to County will hold the regular examappear and answer said complaint, inations of applicants for State and and if you fail to so appear and an- County papers at the Klamath Coun-

For State papers-

Commencing Wednesday, August 11th at 9 o'clock a. m. and continuing until Saturday, August 14th, at

Wednesday - Penmanship, History, Spelling, Physical Geography, Reading, Psychology. Thursday — Written Arithmetic,

Theory of Teaching, Grammar, Bookkeeping, Physics, Civil Government. Friday - Physiology, Geography, Composition, Algebra, English Literature, School Law.

Saturday—Botany, Plane Geometry, General History.

For County papers-

Commencing Wednesday, August 11th, at 9 o'clock a. m. and continuing until Friday at 4 p. m. Wednesday - Penmanship, History, Orthography, Reading, Physical Geography.

Written Arithmetic, Thursday Teaching, Grammar, Physiology. Friday-Geography, School Law, Civil Government, English Litera-

County Superintendent.



# To the Public:

As an introduction to the trade of Klamath Falls and Klamath County I have inaugurated a Great Sacrifice Sale. It will continue until further notice.

# The Boston Store

O. M. HECTOR, Proprietor

