

THE OREGON SCOUT.

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UNION OREGON.

WATER FOR FUEL.

An Important Invention Recently Made by a Wisconsin Man.

What appears to be an important invention has recently been made public in Phillips, Wis. It is no less than the practical and cheap use of water for fuel. The appliance consists of nothing but a piece of gas pipe from two inches to six inches in diameter, as may be desired, and of convenient length to fit a cook stove or a parlor or other heater, with short legs or stable support, to keep it in position. This is placed in the stove, with one end slightly projecting, to which is attached a vessel of water with stop-cock conduit from the water vessel into the pipe. Before reaching the steam chamber the water passes through the important part of the invention, the part that constitutes or contains the great discovery. By means of it the water may pass into the steam chamber, while the steam can not pass out. The part of the pipe containing the steam chamber is within the stove, although a small part may be without if desired. To this the heat of a moderate wood or coal fire is applied, so as to heat the steam to a high temperature, say 300° or nearly 500°, when it passes out of a small orifice immediately into the midst of a bed of coals or flame from burning wood or coal, when it is at once raised to the required temperature, 400° or more, to be immediately decomposed into its gases—oxygen and hydrogen—which instantly become flame. Only a moderate summer fire of wood or coal will be required the coldest day in winter, the gaseous flame furnishing the balance of the heat needed in the coldest room. The capacity for reducing heat may be regulated to suit requirements.

When it is known that hydrogen flame yields a heat in burning five times greater than carbon, or about 2000° to 2500°, one may form some idea of the capacity of this little contrivance for producing heat.

By increasing the temperature of the gas pipe to about 400°, the vapor may be decomposed into its gases before exit from the pipe, and in such cases it is omitted in a jet of blue flame. In either case the oxyhydrogen flame is easily produced, and with a very small consumption of fuel.—Light, Heat and Power.

A SHORT CATECHISM.

It Explains Why Dairying is a Profitable Farm Industry.

What is the most profitable branch of agriculture? Dairying.

Why? Because it is manufacturing finished products from raw material, and because the manufacturer also produces the raw material. He has the profit that the seller of raw material gets, and the profit the manufacturer secures.

What is necessary to success in dairying? Many things. The dairyman must be a good farmer, a good judge of cattle, especially of cows, a good feeder, and a careful business man generally.

What is the best soil for dairying? A limestone soil, perhaps, but any fertile, well-drained soil that will grow good pasture is adapted to this purpose. Clay loam soil is always good. The land should be moderately level and well-watered.

What kind of cows are best? Good milk cows. That comprehends all. No matter about the breed. Of course you want cows adapted to the kind of dairying followed. For butter, Jersey blood excels, but it would be folly to keep a Jersey herd if the milk is to be sold by the quart. For cheese purposes, the Ayrshire and Holstein blood is good.

Short-horns are good for butter and cheese and milk, and selected native cows excel as good milkers for almost any purpose. A short-horn grade is an excellent cow, and the various grades and crosses of Holstein, Ayrshire, Jersey and Devon make the best of dairy cows.

How should the dairyman keep up his herd? By breeding and raising his own cows. He can in this way grade up a herd to the highest point of excellence, and at no greater cost, after starting, than in raising scrubs. Get a good male, of good milking strain, and breed to the best cows.

What crops should the dairyman raise? Besides pasture, the main crop should be corn for ensilage. It is now settled that a silo is essential to the greatest success in dairying. For the dairy herd he need raise no other crops, for it is cheaper to buy bran and mill feed than to produce small grain on a dairy farm.—A York Dairyman, in Ohio Farmer.

Hard to Understand.

"Qu'ah thing 'bout dissher law business," said Uncle Jonas.

"What's the matter, Uncle? Have they been mixing you up?"

"Dat's jess what. I doan un'stan' it."

"What don't you understand?"

"Why I pays do lawyer ten dollars ter git me out er trouble, and do judge goes ahead anyhow an' does jes ez he pleases 'rout it."—Merchant Traveller.

—Speaking of an elegant new railway station in Cincinnati an official of the road says: "I fear it is too splendid. Lots of strangers will be afraid they will have to pay more for their tickets because of the style of the office. Fact, I assure you. If the office were a dingy, black little hole they'd think tickets would be sold there dirt cheap."

EASTERN ITEMS.

MILWAUKEE HANDSOMELY DECORATED IN HONOR OF THE G. A. R.

A Rustic Bridge—Defaulting Postmaster—Welcomed at El Paso—A Noted Cracksman Beheaded—Shipping as Seamen.

The Boston wool market is featureless. New York had 85,000 arrests last year. The warship Galena has been ordered to Hayti.

The Baltimore will have her official trial September 9.

Natural gas will be run into Philadelphia before very long.

The Chinese wash-house hold stiffly to the one price system.

A Findley, O., man bequeathed \$50,000 for a home for hackmen.

Clause Spreckels reached New York on the 20th from Europe.

All aliens in the employ of New York city are being discharged.

Speaker Carlisle was heartily welcomed by the citizens of El Paso.

One forest fire north of Boise City, Idaho, was 100 miles square.

There is a State Retail Merchants' Protective Association in Iowa.

The New York authorities are still chopping down telegraph poles.

Over 1000 Chinamen arrived in the City of Mexico one day last month.

Milwaukee is handsomely decorated in honor of the G. A. R. encampment.

The Wyoming brought 123 Swedish Mormon recruits to New York on the 27th.

Brooklyn, N. Y., is to have a new Edison central station of 50,000 lights capacity.

Andrew Barstow, one of the best known men in the Eastern sugar trade, is dead, aged 46.

A new enterpris at Bangor, Maine, is the shipping of sawdust in bales to various cities.

All assemblages are prohibited at Eau Claire, Wis., owing to the prevalence of small-pox.

President Harrison says he has not yet decided upon calling an extra session of Congress.

The President has been invited to visit the Alabama State Fair at Birmingham in November.

The contract for the Northern Pacific's big hotel building at Winnipeg, has been let at \$300,000.

Florida is delighted with having gone through the summer without an epidemic of yellow fever.

Ex-Governor John C. Brown of Tennessee, died at Red Boiling Springs, that State, August 17.

John Watson, of Nebraska City, it is stated, has been offered the District Attorneyship of Alaska.

The striking Italians on the new railroad at Lima, O., threaten to kill all those who return to work.

Plans have been agreed upon for the distribution at Johnston, Penn., of over \$1,000,000, of the relief funds.

Immigrants arriving at Philadelphia are said to have evaded the Contract Labor law by shipping as seamen.

Lawyer Alphonse Phillips, an official in the Mexican lottery, has disappeared, leaving \$100,000 unaccounted for.

The law against the importation of foreign contract laborers is now frequently enforced at the port of New York.

Allen Manvel, it is said, will succeed W. B. Strong as president of the Atchison and Santa Fe Railway Company.

It is now believed the court martial in the case of Lieutenant-Colonel Fletcher at Fort Omaha, has found against him.

The drowned body of James Orr, a California miner, has been found floating in East river, under the Brooklyn bridge.

A Chinese laundry was raided in Detroit and eleven gamblers arrested; also a woman who was there smoking opium.

Mahone was nominated by the Virginia republicans for Governor and Campbell S. Lemp for Lieutenant-Governor.

The trouble between whites and blacks at Mount Pleasant, S. C., has been quelled. The military has not been withdrawn.

J. R. Cunningham, the defaulting and absconding postmaster at Coffeyberg, Mo., has been arrested at Bentonville, Arkansas.

Congressman Laird's death, according to a post-mortem examination, was due to blood poisoning from an unnecessary surgical operation.

An epidemic of flux has appeared at Charleston, W. Va., and about fifty deaths have occurred in thirty days. Children suffer the most.

A rustic bridge just completed in Houston county, Ga., contains fifty-seven different kinds of wood and vines, and all were grown in the county.

Jimmy Hope, the burglar, was rearrested on his arrival at New York. An effort will be made to send him back to prison on the Manhattan Bank indictment.

The agent of the Coleville Indian Agency says the Upper Spokanes went work. They drink too much whiskey and there is great immorality among the women.

The moonshiners in the mountains near Waterville, Tenn., led by John Hobbs, openly defy the United States Marshal. A reward of \$500 is offered for Hobbs.

Jim Lavin, an ex-prize fighter, enticed a man into his den at Rawlins, Wyo. T., and with the assistance of several of his cronies, beat the life out of him and threw the body into a ditch.

The Oklahoma Convention adjourned sine die on the 23d. Provisions have been made to choose county officers in October. The woman suffrage problem was again acrimoniously discussed.

HOME AND FARM.

Cold Water for Animals—Foot Rot in Sheep—The Fruit Cure—Painting Upon Glass—Orange Salad.

It is said a saive of equal parts of tar, tallow and salt, will cure the worst case of felon.

Rats and mice have as great an aversion to the odor of chloride of lime as humans.

A little flour shaken on your greased cake pan is a better preventative of sticking than paper.

For large raspberries or blackberries, head back severely, cutting out superfluous canes and mitich.

Poultry may be made the most profitable branch of farming and ought to engage considerable of the attention of every farmer.

As the potato beetle is now busily at work it should be the aim to use paris green as soon as they appear on potato vines, in order to destroy as many of the beetles as possible. Every one that is destroyed lessens the number another year.

The best remedy for field-mice is to encourage the owls. For fear of damage to pigeons and poultry the owl is sometimes driven off when it appears. Its natural food is field mice, and it will never disturb birds as long as the mice can be had.

The hens will soon begin to molt, and will lay but few eggs during the process, which requires about three months. Old hens and early pullets begin to molt earlier than the late pullets, but all of them should have their new feathers complete before November.

One of the best garden implements is the rake. If used frequently on the young weeds it saves hoeing later in the season. By raking between the rows of plants once or twice a week but little labor will be required, while much benefit will be imparted to the crops.

An open well will soon be the resort of toads at this season, and if covered the work of so doing cannot be done too carefully. The curbing of the well should be laid in cement, and extend two feet above the top of the ground, upon which heavy boards should be fastened if a pump is used.

It is just as proper to keep rich milk separate from that of inferior quality and secure for it the extra price as it is to sort other articles on the farm. If dairy-men would make it a point to sell milk of the best quality only they could secure a class of customers who would not object paying an extra price for it.

When the time arrives for cutting the corn in the field it should be stored in the barn as soon as well cured. Leaving it stacked in the field invites waste and deterioration of quality. If there is insufficient room in the barn provide a cheap shelter. Exposure destroys one-half of the value of the crop.

It is more difficult to procure fresh eggs in summer than in winter in the market. During summer many eggs found in out-of-the-way nests are added to those in the basket, with the chances in favor of a portion of them being stale, while in winter the hens are confined to yards and lay in the poultry house.

When the pigs from the old sow fail to grow as fast as their companions from young sows it is an unmistakable indication that the old mother is failing and should be sent to the pork barrel. While the old sow is doing well don't discard her unless there is a certainty that she can be replaced with something better.

Orange Salad.—This is a delicious salad and easily made. Peel two or three sweet, juicy oranges and cut up the quarters in nice mouthfuls, removing all seeds. Serve with half a dozen bits of lettuce in a nest of three or four leaves of lettuce, and pour mayonnaise sauce over each nest. A similar sauce of apples can be made when the apples are very ripe, juicy and sour.

Cold water from some wells is too cool to be given to animals. Especially in very warm weather it is judicious to draw the water long enough in advance to allow its chill to be removed before the animals drink it, especially if they are fatigued. A handful of fine corn meal stirred into a bucketful of water will be acceptable, and prevent injury to excessive drinking of cold water.

For Foot Rot in Sheep.—A Vermont flock-master of much experience says that the best method of doctoring sheep for foot-rot is to wet the feet of every sheep in the flock, sound or lame, thoroughly with kerosene oil, and put what sulphur you can take in the thumb and finger between the hoofs of each foot. Keep them in a dry place for twelve hours. Repeat this operation in about two weeks, and you will have no more trouble.

Mr. John Gould, of Ohio, thinks that the sooner the dairymen get out of the "rut" that milk is all alike, pound for pound, or that there is such a thing as a special cheese cow, the sooner the dairy business will be put upon a paying basis. While the butter performances of cows are published broad-cast, the yields of these special cheese cows are notably withheld. The weight of milk daily is vaunted abroad, but the pounds of cheese it made, is conspicuously absent, simply because it isn't there in great amount. The butter yield of standard milk is a test of its cheese-making quality.

Painting Upon Glass.—The best and prettiest way to ornament windows is to engrave scenes or figures on the glass. The method of doing this is begun by laying the glass flat, and giving it a coat of Brunswick black. When dry, scrape on a picture with a needle fixed in a handle of wood or cork. Put a ridge of wax or tallow around the glass, and pour on flour. When it is on for half an hour, pour back into the rubber bottle for future use. Then wash of the black with turpentine. Very effective work can be produced by gliding on the engraved side of the glass; which is done by thoroughly cleaning it, licking with the tongue, and putting on gold leaf. Press the gold well into the engraving, and the engraved lines appear embossed and rough, while the smooth part looks burnished. Of course, the picture and gold are on the back of the glass. But the best method of all, is to engrave on the red side of ruby glass, by doing which, all the lines come out white. If the design is properly drawn, this plan is decidedly superior to any possible painting an amateur can do, both for cheapness and effect. Moreover, it is permanent.

THE PACIFIC COAST.

A PUBLIC INDIGNATION MEETING AT VICTORIA, B. C.

The Willamette Valley Railroad Sued—The Oregon Press Association—Prisoners Attempt to Break Jail at Tacoma.

Work on Fresno's sewer system has begun.

Seattle is soon to have a paid fire department.

Fresno, Cal., is trying to establish a rasin exchange.

Modesto, Cal., has refused to issue improvement bonds.

The Klamath river is lower than was ever known before.

Fresno county's tax levy is 22 cents more than last year.

The Austin, Nev., Reveille has a \$10,000 libel suit on its hands.

The new Masonic Hall at Napa was dedicated on the 29th inst.

Ellensburg is to make a great fight for the capital of Washington.

The Ninth District Fair opens at Rohnerville, Cal., September 23.

The chrome mine, in Tehama county, is to be worked under contract.

Rains have subdued the forest fires in the neighborhood of Ellensburg.

The wharf at Oceanside will be finished in October. It is to be 1905 feet long.

One of the Portland street railways is to be transformed into an electric road.

A match factory and furniture factory was destroyed in Portland on the 29th.

Ellensburg, W. T., is talking of establishing the Holly system of water works.

Southern California experienced a severe shock of earthquake on the 27th.

Oceanside, San Diego, has voted bonds to purchase its waterworks and to enlarge it.

President Charles Francis Adams of the Union Pacific, was in Portland on the 23d.

A 14-year-old boy at Santa Rosa "held up" parties late one night recently "just for fun."

Since August 8, 1888, ten residents of Eugene City, Or., have met death by drowning.

Petaluma has forbidden the Salvation Army to beat drums or hold meetings on the street.

A commission is negotiating for the purchase of lands on the Cour d'Alene mountains.

The Placerville Fair will distribute over \$6000 in premiums. The fair opened September 3d.

The Ryan smelter at Tacoma, will soon be completed and will begin operations in about two weeks.

A sulphur spring has been found in Hope Valley, Nev., that flows a large stream of ice-cold water.

Ten-dollar counterfeit greenbacks are in circulation at New York. They are said to be well executed.

The Calispell Indians at the Coleville Agency, W. T., are being crowded out of the valley by the whites.

The Tacoma Hotel at Tacoma, was filled last week with delegates en route to the Walla Walla convention.

Miss Ida Pratt, living near Modesto, Cal., committed suicide on the 29th, because she was tired living.

The First National Bank of Wheaton, W. T., has been authorized to commence business with a capital of \$50,000.

Albert Grez, a San Francisco barber, whose wife has mourned him as dead, was seen in Sacramento recently.

The machinery and materials for government work at Yaquina bay, Or., were shipped over the Canadian Pacific.

Hop-growers in the Willamette Valley are anxious to get their hops off the vines, fearing the rainy season will begin early.

The search for the desperado Morales, in the Santa Ana Valley has not abated. It is believed he will be captured in a few days.

The Oregon Press Association has submitted to its members a scale of advertising prices, a violation of which causes expulsion.

On the 29th inst., Tacoma had a fire that came near proving disastrous to that thriving little city. The total loss will be about \$40,000.

Three men have died from thirst and starvation on the Colorado Desert during the month of August, and within a radius of fifty miles.

An unknown man was found perishing on the desert near India, with nearly \$200 in his pockets. He died shortly after he was taken to India.

The little fishing schooner Rowena, of Tillamook, went ashore near Newport, on the 29th inst., and is a total wreck. All the crew were saved.

Olson and Drager, the El Dorado murderers, to be executed October 16, are building a miniature ship for a keepsake for Sheriff Anderson.

Twenty-two prisoners in the county jail attempted to make their escape on 30th inst., but the jailer appeared on the scene in time to prevent it.

A physician named Miller, formerly a resident of Sacramento, and now of Freemont, a suburb near Seattle, attempted to commit suicide three times on the 22d.

A plot to empty the Washington Territory Penitentiary at Walla Walla has been discovered. Keys were being made to fit the doors which a trusty was to use.

On the arrival of the steamer Santa Maria on her first trip to San Diego in the new opposition line of coast steamers her colored cook, James Lewis, dropped dead.

An old man named Oyers, a wealthy bachelor living about five miles from Tacoma, committed suicide on the 29th by blowing the top of his head off with a shotgun.

The Pacific Steamship Company's steamer Ancon ran upon the rocks in Neah Bay, Alaska, on the 4th inst., and is a total wreck. The passengers and crew were saved and brought back by the steamer Elder. The machinery and part of the cargo will be saved. A wrecking steamer has gone to the scene of the accident.

FOREIGN FLAMES.

Cholera at Bagdad—Edison Banqueted at Paris—A Noted Swindler Arrested in Lodod—Notes.

The Shah has reached Vienna.

The New Zealand Exposition opens November 26.

The Bulgarian authorities are laying in ordnance supplies.

Military preparations are said to be active at Belgrade.

A cyclone is reported in the north of the island of Cuba.

Parnell is coming to America for the benefit of his health.

An effort is being made to build a tower at London 2000 feet high.

Switzerland has built 1,000 inns since tourists began to visit her.

The Americans in London favor New York for the World's Fair.

It is estimated that 20,000 dock laborers are now striking at London.

The Dee bridge at Chester, England, is finished after twenty-five years.

A thunderbolt struck the Eiffel Tower recently, but caused no damage.

Russia proposes to tax Protestant churches in the Baltic provinces.

It is said that it is American English that salutes the ear all over Paris.

The London journals applaud the commutation of Mrs. Maybrick's sentence.

Over 2000 children under 2 years of age die annually in Paris of tuberculosis.

Lord Dunraven hopes that a race with the Valkyrie may be arranged at New York in 1890.

Louis von Moltke, brother of the German Field Marshal, died at Berlin, aged 85 years.

A London dispatch says the report is confirmed of Miss Huntington's betrothal to Prince Hatzfeldt.

Severe hail storms passed over parts of Austria on the 23d. Many persons were killed.

Baron Pereira of Vienna, a descendant of the celebrated banker, has become insane.

Half the town of Dubno, Russia, has been destroyed by fire. The loss is enormous.

The tennis ball now bounds in China, though dirt courts are more frequent than grass.

The English ironclad Sultan has been floated and will be towed into the harbor at Malta.

Russian papers are abusing the Shah for his friendly expressions regarding England.

A dispatch from Montenegro says a famine is threatened owing to the failure of the crops.

Boucault is stonily resisting the claim of his divorced wife in London to £700 back alimony.

Queen Victoria is said to have expended nearly \$3,000,000 on memorials to the Prince Consort.

The Duke of Bedford has parceled out a lot of land on the Henry George system to test the theory.

A Japanese paper complains that there are too few qualified physicians and dentists in that country.

London seems to be rather crowding out Paris as the great purveyor of feminine taste for finery.

The Grand Duke George Alexandrovitch, the second son of the Czar of Russia, has arrived in Paris.

Arrests continue to be made at Berlin in connection with the recently exposed frauds in the German navy.

There was a severe earthquake shock throughout Greece last week. Several towns were seriously damaged.

At Pembroke, Wales, an infuriated crowd compelled two tithe bailiffs to swear to abandon their calling.

Three thousand French deserters have taken advantage of the new amnesty law to return from Geneva to France.

Emperor William and Empress Augusta have visited Strauburg and were welcomed with much enthusiasm.

The Countess of Paris has been doing splendid grouse shooting on the moor at Moonee, near Aberdeen, England.

It is reported that at the urgent request of his friends, Boulanger will go to Paris and stand trial before the elections.

The Shah entertained at dinner at Munich, recently, the members of the royal family and Bavarian nobility.

News has been received corroborating the reports of the death of Thomas Bryan Gunning while crossing the mountains into Chile.

They have a trained lion at the Paris circus that rides on the back of a horse around the ring and does all the customary feats.

A banquet was given to Edison at Paris on the 23d. In a speech Premier Tirard said France and America were united by indissoluble ties.

Bluey affrays are still reported in various districts of Crete. The towns generally are tranquil, with the exception of isolated outages.

The cholera is raging at Bagdad and Bussorah, Asiatic Turkey. Orders have been given to place military cordons around the towns.

Great destruction of property and loss of life is reported from county Clare, Ireland. Floods swept hundreds of acres of farming lands. Nearly all the growing crops were swept away to the sea.

A public indignation meeting was held in Victoria, B. C., on the 30th inst., and many warlike speeches were made regarding the recent seizures of British vessels in Behring sea.

Balfour's Prison bill passed the House of Commons on the 23d by a vote of 113 to 69. Considerable discussion and abuse of Irish jails were indulged in.

It is rumored in Liverpool that the Cunard Line has contracted for three new twin screw steamers for the transatlantic fleet, to be delivered before 1891.

A society has been started in London to promote the development of the science of mesmerism and of the application of hypnotism to practical medicine.

PORTLAND MARKET.

CHEERFUL FEELING PLEASURABLE TO NOTE.

A Slight Advance in Sugars—Coffee—Continue Firm—The Wheat Market Has Not Changed Since Our Last Report.

The local merchandise markets generally continue active, and confidence in a good fall trade is maintained. The distributive movement is constantly undergoing improvement owing to the increase of population, and the cheerful feeling prevailing is pleasurable to note. Coffee continues firm, quotations, however, remaining the same as last week except for green Guatemala, which is 1c higher. Sug