

DAIRY AND CREAMERY

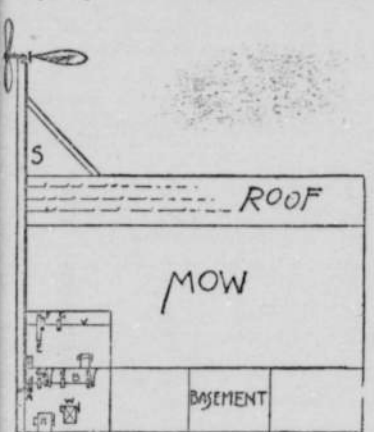
WINDMILL FIXED TO A BARN ROOF.

One Man Who Makes Nature Do Much of His Work.

Mr. J. E. Wing of Ohio seems to have hit upon the model windmill both for cheapness and efficiency. He describes it in The Rural New Yorker thus:

My windmill is a 12 foot geared aeromotor. It is put on the roof of the barn and is 60 feet from the ground. It is this fact of height largely that gives it such great efficiency. While speaking of this point, I would insist that every wheel of which important work is expected be put up at least 20 feet above all wind obstructions nearer than 300 feet. I have a pumping wheel that is on a steel tower 60 feet high, and as there is a wood about 300 feet away on one side it does not run very well when the wind is in that direction. It would have cost me but \$20 more to have put it 20 feet higher, and it would have nearly doubled the efficiency of the whole plant, worth with well, pump, pipes and all, say, \$125. So it is expensive to neglect this essential point in the start.

The illustration shows the way we have arranged our machinery, and in most respects it is an ideal arrangement. The shafting, S, reaches down the 8 by 8 mast to the grinder, A, where there are bevel gears that turn the horizontal shaft, B. On this shaft are various pulleys of different sizes. On the



WHAT A WINDMILL CAN DO.

upper floor is another shaft, V; that is what I call my slow shaft; it is run by a belt from the pulley, D, which is five inches in diameter, to pulley E, which is 25 inches. These are wooden pulleys and homemade. They are as good as more expensive ones. One can buy the flanges for fastening them to the shaft very cheaply. This slow shaft runs an elevator (not shown in the cut for fear of confusion) that brings corn up from the sheller and delivers it into a big bin. There is a 15 bushel hopper at T that is spouted to the grinder, A, and then there is a conveyor from the grinder to a bin that holds the meal. On the slow shaft, too, is the sheave, G, that runs a wire cable to the pump 220 feet distant. The feed cutter, H, is run from the lower shaft, and the cut fodder drops down to the room below. Back out of the way is the wood saw, W, which is also run by the lowest shaft. The bone mill and grindstone are above and run from the lower shaft.

Now what will the thing do after it is fixed up? It will grind 100 bushels of corn on a good day, and grind it pretty fine. It will grind excellent graham flour and cornmeal for the table. It will run a large corn sheller, and elevate and grind at the same time. I would not get a sheller unless it were a self feeding one of large capacity—that is, if I had several thousand bushels of corn to shell. There is ample power to run it. It will cut dry corn fodder as fast as one can feed it in, when there is a good wind. It will pump and perform almost any of the other operations at the same time.

When there is not a good wind, it will not do much, yet a very light breeze will shell and pump and run the bone mill. I do not use a tank at all in the sheep barn, but depend on pumping directly into the troughs, and not ten times in a winter do I have to pump by hand. There is no doubt that for the farmer who can store his work, his wood, water and shelled corn and cornmeal the wind power is the best and cheapest power on earth—that is, if he really has a wind exposure. If he does not and cannot get up to it, he is throwing money away in buying one. Here is the cost to complete my outfit:

12 foot wheel.....	\$20 00
20 feet vertical shafting.....	7 50
Grinder.....	15 00
8 foot line shafting.....	2 40
2 pulleys (one iron).....	2 40
40 foot cable.....	17 00
Wood saw.....	15 00
Total.....	\$119 00

From this I got a small discount, as my outfit was the first to be erected and they made a special "introduction" price.

The elevators and fixings generally we fixed ourselves with material that cost us but a trifle. The pump gear at the well was made of a pair of gear wheels that were on the farm. It is necessary to reduce the speed to less than one stroke of the pump to a revolution of the wheel.

Just at present I am studying the irrigation problem from a windmill standpoint. I have become convinced that with a well constructed earthen reservoir large enough to hold the spring and part of the winter's work of the mill while pumping a good deal of profitable irrigating can be done.

The average scrub yields 125 pounds of butter a year. Governor Morton's old imported Guernsey cow Bretonne has made 133 pounds of butter in a year. Down with the scrub if you expect to make a living by dairying.

Fits Cured

From U.S. Journal of Medicine
Prof. W. H. Pecke, who makes a specialty of Epilepsy, has without doubt treated and cured more cases than any living Physician; his success is astonishing. We have heard of cures of 20 years' standing cured by him. He publishes a valuable work on this disease, which is a large book, who may send their P. O. and Express address. We advise any one wishing a cure to address Prof. W. H. PECKE, P. O., 4 Cedar St., New York

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GIVEN AWAY TO INVENTORS.**

\$150.00 every month given away to any one who applies through us for the most meritorious patent during the month preceding.

We secure the best patents for our clients, and the object of this offer is to encourage inventors to keep track of their bright ideas. At the same time we wish to impress upon the public the fact that

IT'S THE SIMPLE, TRIVIAL INVENTIONS THAT YIELD FORTUNES.

such as the "car-window" which can be easily slid up and down without breaking the passenger's back, "sauce-pan," "collar-button," "nut-lock," "bottle-stopper," and a thousand other little things that most any one can find a way of improving; and these simple inventions are the ones that bring largest returns to the inventor. Try to think of something to invent.

IT IS NOT SO HARD AS IT SEEMS.

Patents taken out through us receive special notice in "National Recorder," published at Washington, D. C., which is the best newspaper published in America in the interests of inventors. We furnish a year's subscription to this journal, free of cost, to all our clients. We also advertise, free of cost, the invention each month which wins our \$1500 prize, and hundreds of thousands of copies of the "National Recorder," containing a sketch of the invention, and a description of this invention, will be scattered throughout the United States among capitalists and manufacturers, thus bringing to their attention the merits of the invention.

All communications regarded strictly confidential.

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Seven Months With Fever.

Wonderful Recovery of Health.

Mr. Baird's rapid and marvelous recovery from a mere skeleton to his normal weight, 270 pounds, was surely the fullest test of the greatest strength-bringing and building-up medicine ever produced, namely:

Dr. Miles' Restorative Nervine.



"Gentlemen—I wish to express to you my gratitude for the great good that Dr. Miles' Nervine has done for me. I was taken sick with typhoid fever and laid bed for six months. After getting over the fever I was thin, nervous and tired, and did not regain my lost strength. I tried several proprietary medicines, and finally after having been reduced in weight to 130 pounds, I began trying your Nervine, and at once began to improve. Was finally entirely cured, and today I can say I never felt better in all my life, and weigh 270 pounds. This is my normal weight, and I measure 6 feet 5 1/2 inches in height."

South Bend, Ind.

Dr. Miles' Nervine is sold on a positive guarantee that the first bottle will benefit. All druggists sell it at 50¢ a bottle for \$5.00. It will be sent prepaid, on receipt of price by the Dr. Miles Medical Co., Elkhart, Ind.

Dr. Miles' Nervine Restores Health

CATARRH

is a LOCAL DISEASE and is the result of colds and sudden climatic changes. It can be cured by a pleasant remedy which is applied directly into the nostrils. Being quickly absorbed it gives relief at once.

Ely's Cream Balm is acknowledged to be the most thorough cure for Nasal Catarrh, Cold in Head and Hay Fever of all remedies. It opens and cleanses the nasal passages, always pain and inflammation, heals the sores, prevents the mucus from coming out, restores the sense of taste and smell. Price 50¢ at Druggists or by mail. ELY BROTHERS, 56 Warren Street, New York.

Timber Lands

All those wishing to sell their timber claims on Wilson river and tributary to it will please send description of land and price thereof as early as convenient to

T. Steinhilber.

PORTLAND MARKET.

(Wholesale Quotations.)	
POTATOES—GRUB	\$ 21 00
POTATOES 1/2 lbs 100 lbs	30 33
ONIONS	—
WHEAT—Willamette	1 05 1 07
Wheat—Walla Walla	1 00 1 00
BUCKS 1/2 doz	1 00 4 50
CHICKENS—old 1/2 doz	3 50 3 50
CHICKENS—old 1/2 doz	3 50 3 50
BUTTER—Rich	25 35
Store, in rolls	—
Choice Dairy	39 45
CHEESE—Cheddar	50 55
EGGS—Oregon	9 7 1/2
LARD, Oregon	7 7 1/2
Flour—Bakers	—
Bacon—Clear sides	7 7 1/2
Hams	10 11
Shoulders	—
Flour—Willamette	3 15 3 15
Country Brands	3 15 3 15

Notice of Sheriff's Sale

OF PROPERTY FOR DELINQUENT TAXES FOR THE YEAR 1894.

Notice is hereby given that by virtue of a warrant issued out of the county court of the State of Oregon for Tillamook county on the 17th day of January 1894, attached to the list of delinquent tax payers for the year 1894 of Tillamook county, Oregon, and to me directed and delivered as sheriff and tax collector of Tillamook County, State of Oregon, commanding me to collect the delinquent taxes, charges on such list, by levying upon and selling the goods and chattels of such delinquent tax payers and if none be found then upon the real property as set forth in said tax list or so much thereof as shall satisfy the amount of taxes so charged with costs and expenses of sale, situated in Tillamook county, Oregon, and described as follows to-wit:

Armstrong W. W., south east 1/4 of north west quarter, lots 1, 2 and 3, section 1, township 1 north, range 7 west, 170 acres \$ 13 10

Astor Packing Co., all tide land west of and fronting and abutting lots 11, 12, 13, 24 and 25, section 6, township 5 south, range 10 west, 8 acres; also tract beginning at meander corner between lots 24 and 25, section 6, township 5 south, range 10 west, thence east 16.50 chains, thence south 26 degrees east 8 chains thence north 70 degrees east 8.34 chains, thence north 69 degrees 15 minutes west 11.50 chains, thence south 57 degrees west 2 chains, thence south 70 degrees west 2 chains, thence south 53 degrees west 2.20 chains brook 20 links, thence south 36 degrees west 6 chains, thence south 41 degrees 3 minutes west 8 chains brook 10 links course west 10.18 chains to place of beginning in section 6, township 5 south, range 10 west, 45 acres, tax \$ 87 75

Blue William, lots 6 to 9, block 9, Bar View Addition to Bay City, tax \$ 2 89

Colby Alon B., south west 1/4, section 17, township 3 north, range 8 west, 160 acres, tax \$ 11 63

Now therefore after due levy and by virtue of said warrant I will sell at public auction for cash in hand at the front of the county court house of Tillamook county, State of Oregon, in Tillamook City, on the 11th day of April 1894, at the hour of 10 o'clock in the forenoon of said day, the above described real estate, or so much thereof as shall be necessary to satisfy the amount of taxes charged thereon together with costs and expenses of levy and sale.

Given under my hand this 12th day of March 1894.

J. H. JACKSON, Sheriff of Tillamook County, Oregon.

NOTICE OF SHERIFF'S SALE.

IN THE CIRCUIT COURT OF THE STATE OF OREGON FOR THE COUNTY OF TILLAMOOK.

T. J. LUCY, Plaintiff, vs. James Mann, Defendant.

Notice is hereby given that by virtue of an execution issued out of the Circuit Court of the State of Oregon for Tillamook County on the 18th day of February 1894 on a judgment rendered in said court on the 28th day of August 1893 in favor of T. J. Lucy and against James Mann, for the sum of twenty-seven dollars and seventy-five cents in U. S. gold coin with interest at the rate of 8 percent per annum from August 25th 1893, and the costs of and upon said writ, Now therefore after due levy and by virtue of said execution I will sell at public auction for cash in hand at the court house door in Tillamook City, Tillamook county, State of Oregon, on Saturday, the 11th day of April 1894, at 10 o'clock in the afternoon, the interest of the defendant in and to the following described real property: Commencing at the center of section 7, township 5 south, range 10 west, Willamette Meridian, Tillamook county, Oregon, thence east to south east corner of lot 15, thence north to north east corner of lot 15, thence east to within 40 feet of J. R. Shaw's east line, thence parallel with J. R. Shaw's east line and distant from it 20 feet till the line reaches the Boxley creek and slough, thence northerly along the meanderings of said slough to the south east corner of lot 17, in section 5, township 5 south, range 10 west, thence west to north east corner of lot 20, thence southerly 5/8 rods to a corner on south line of lot 20, near corner of J. R. Shaw's land, thence west about 50 feet to J. R. Shaw's east line, thence southerly along J. R. Shaw's east line to the county road, thence southerly along said county road to the place of beginning, containing 100 acres more or less, to satisfy said judgment, interest and costs. Tillamook, Ore., March 12th 1894.

J. H. JACKSON, Sheriff.

NOTICE OF ADMINISTRATOR'S SALE OR REAL PROPERTY.

Notice is hereby given that by virtue of an order duly made and entered in the county court for the county of Tillamook, State of Oregon, on the 3rd day of March 1894 and ordering and empowering and licensing me, the undersigned, as administrator of the estate of John A. Baird, deceased, I will on the 1st day of May 1894, at the county court house door in the city of Tillamook and in the county of Tillamook and State of Oregon at the hour of 10 o'clock P. M. on said day at public auction for cash in hand, in parcels or the whole of the following described real property belonging to said estate and situated in Tillamook county, Oregon, to-wit:

The W 1/2 of sec 12 of section 27, and the NE 1/4 of sec 12 and the SE 1/4 of sec 27, containing 100 acres in township 5 south, range 9 west, Willamette Meridian. Also the following beginning at a point 20 chs. west and 15 chs. north of the 1/4 section corner between sections 27 and 28 in the middle of the Nestucca River, thence south 8.00 chains thence west 40 chs., thence south 20 chs., thence west 7.25 chs., to the middle of the Big Nestucca river, thence following the meanderings of said river upstream 88.00 chs. to the place of beginning, containing 62.25 acres more or less in section 28, McKimley. Also the following tract: Commencing at a point on the south line of section 28, 27 chs. east of south west corner of section 28 and it being the middle of the Nestucca river, from which an Alder 10 inches in diameter bears south to degree west 50 links, thence east 12.04 chs. to the 1/4 sec corner, thence north 50 chs. to post, thence west 20 chs. to a post 2.09 chs. north of the middle of the Nestucca river, thence west 7.25 chs. to the middle of the Nestucca river, thence following the meanderings of said stream down stream 30.70 chs. to the place of beginning, containing 25.42 acres more or less. Also save and except all that portion of the south east 1/4 of the north east 1/4 of section 28 lying north of the Big Nestucca river and containing 15 acres more or less, deeded by W. A. Hayner and wife to R. O. Richards Nov. 11, 1891, all being situated in Tillamook county, Oregon, and lying in township 5 south, range 9 west. Also excepting and saving all that portion of the north west 1/4 of south west 1/4 of section 27, said township and range and hereafter located by W. A. Hayner and wife to James Hughes and wife.

Given under my hand this 10th day of March, 1894.

F. E. SELPH, Attorney. CHARLES E. HALL, Administrator of said Estate.

NOTICE OF SHERIFF'S SALE.

IN THE CIRCUIT COURT OF THE STATE OF OREGON FOR THE COUNTY OF TILLAMOOK.

T. J. LUCY, Plaintiff, vs. Andrew Hauke, Defendant.

Notice is hereby given that by virtue of an execution issued out of the Circuit Court of the State of Oregon for the County of Tillamook on the 18th day of February 1894 on a judgment rendered in the justice court for the precinct of Beagerton, Tillamook County, State of Oregon on the 16th day of October 1894, in favor of T. J. Lucy and against Andrew Hauke, for the sum of eighty-nine and sixty-nine one-hundredths dollars with interest thereon at the rate of 8 percent per annum, a transcript of said judgment was filed with county clerk of said county on the 19th day of October 1894, and on the 4th day of October 1894, and immediately enrolled and docketed in the judgment docket of the Circuit Court aforesaid, commanding me that out of the personal property of said defendant or if sufficient cannot be found then out of the real property belonging to the said defendant in my county on or under the 21st day of October 1894 to satisfy the sum of Eighty-nine dollars and sixty-nine one-hundredths cents in U. S. Gold coin with legal interest from the 16th day of October 1894 and the further sum of sixty-five cents costs with legal interest from the date of said judgment and also the costs of and upon said writ.

Now therefore after due levy and by virtue of said execution I will sell at public auction for cash in hand at the court house door of Tillamook county, State of Oregon, on Saturday the 11th day of April 1894, at 10 o'clock in the afternoon, the following described real property, to-wit, situated in Tillamook county, State of Oregon: Commencing sixty (60) feet west and seven (7) feet north of the south west corner of block one (1) of James M. Fuller's addition to the town of Bay City, Oregon, thence west one-hundred feet, thence north one-hundred feet, thence east one-hundred feet, thence south to the place of beginning, to satisfy said judgment, interest, costs and expenses of said sale.

Dated March 2nd 1894.

J. H. JACKSON, Sheriff of Tillamook County, Oregon.

The Plain and Artistic TYPE FACES

Shown within this border are a part of the new series of job and display types recently added to this office. These styles in type as well as in dry goods or clothing and these are some of the latest.

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Those of you who have starved on the wind swept plains of Kansas, watched your crops wither and die for the want of moisture, and if they do live, see them eaten by grasshoppers or chinchbugs saw your potatoes and gardens destroyed by gophers and prairie dogs—those of you who have faced the famine in Nebraska, burned corn to keep from freezing to death, fed your cattle nine months out of the year—those who have weathered the withering blasts of the Dakotas, had your ears and feet frozen off, shivered by a red hot stove or toyed with the death dealing zephyrs when the thermometer marked 60 degrees below zero—those who have braved the uncertain and changeable freaks of old Boreas in Iowa and Minnesota, dug through snow banks to get from your house to your barnyard, or witnessed your buildings go up in a cyclone—those who have shaken with the ague on the Wabash, coughed your lungs out in Chicago, wrestled with yellow fever in Memphis, or sneezed yourself silly on the alkali plains of Texas—saw your buildings, household goods, and crops floating placidly down the swollen Mississippi, saw your fodder rot in the shock, the weevil taking your wheat and the devil getting your nearest relatives—you who have seen crops fail seven years in succession, passed through a "busted" oil boom in Pennsylvania, the devastations of war in the South, the strikes in New York city, or tried to eke out a living on the yellow clay hills of Vermont—you who have worked hard for years, yet poor, everything mortgaged but the old woman and children, and still living from hand to mouth—you who are backsliders, weary of well doing, and discouraged in trying to earn a living honestly—if all these and many other afflictions have been your lot, why, at one fell swoop end all your troubles by coming to Oregon, and to Tillamook, where you will find absolution from most of the evils of the world.