WIDELY SOLD.

Corvallis Experiment Station Calls Attention to Some of These, Which Are Considered Useless.

(From Daily, April 7th.) Much interest is being taken in the tube type. Two will be installed in the establishment of creameries in the Wil- Arrow. That is the name Mr. Flint lamette valley at this time, and all mat- has selected for his yacht. Each boiler ters appertaining to the dairy industry will have 2,000 horse power, giving 4,000 receive much attention. Among the in all. matters causing much discussion, in this lege and Experiment Station, at Corvallis, recognizing this, calls attention a draft of three and a half feet and will show a freeboard of five feet. leged separators, in its bulletin, issued April 2d. The artisle follows:

the term dilution separators.

These so-called separators have been advertised but little, if any, in the agricultural papers, the manufacturers, through their traveling agents working directly with the farmers, and often imum capacity within three days. 'working' them very successfully, a tin can costing only two or three dollars to manufacture being sold for ten to sold in the Eastern states for nearly forms being known under as many different names. Some letters of inquiry regarding this matter reached the writer last year and another came about a month ago, in which the inquirer asked for an opinion on the merits of a certain 'separator', circulars of which, together with testimonials, were enclosed. These letters indicate that these 'fake' separators are being introduced into the states of Oregon and Washington, and makes a statement of the facts regarding it very appropriate at this time. Bulletin 151 of the Cornell Experiment Station, Ithaca, N. Y., has the following conclusions on the topic of gravity of dilution separators:

'Gravity or dilution separators are merely tin cans in which the separation of the cream by gravity process is claimed to be aided by dilution with water. Under ordinary conditions the dilution is of no benefit. It may be of some use when the milk is all from stripper cows, or when the temperature of melting ice cannot be secured. These cans are not 'separators' in the universally accepted sense of that term and cannot rank in efficiency with them. They are even less efficient than the best forms of deep setting systems, such as the Cooley Creamer. They are not more efficient than the old-fashioned

NEW CITIZENS .- George Neibert. a native of Bavaria, and John Heiderer. a subject of the king of Bohemia, were yesterday made citizens of the United States by County Judge G. P. Terrell. after they took the oath of allegiance, and renounced all allegiance to any foreign power, prince or potentate, and especially to kings of Bavaria (emperor of Germany), and Bohemia (emperor of Austria), respectively.

PAID THE TAX .- The Des Moines Life Association yesterday paid its state tax of 2 per cent on the business done by the association in Oregon in 1899. The money was paid to the state treasurer, to be placed in the state school The company's gross and net receipts were \$330.60, and the tax was

FROM NEW YORK TO LONDON IN TWO DAYS

The Yacht Arrow, Now Being Constructed for

Charles A. Flint, May Steam Fifty Miles an Hour.

We are creeping on with each new rig. less weight and greater power. We'll have the loco-boiler next, and thirty knots an hour. Thirty and more.

What would the "auld Scotch engineer" say to fifty miles an hour? That would seem to be an incredible speed for a steam vessel; but at the shipbuilding yard of Samuel Ayres & Son, Nyack, N. Y., there is being constructed for Mr. Charles R. Flint of New York City a long, narrow-waisted racer which is expected to attain the phenomenal speed of fifty miles an hour. That is an extraordinary gait, but this is to be an extraordinary racft.

Her peculiarities are many, but the most striking is the great disproportion between length and beam. With a length of 130 feet 4 inches, this remarkable craft has a beam of only 12 feet 6 inches. In fact, she is nearly eleven times as long as she is broad. With engines whose tremendous horse power will exceed that of many and ocean liner, the entire hull will weigh only twenty-two tons, a weight less than that of the main shaft of many On each bow will be an arrow, with steamships. Designated for cruising a flint head striking through some apin sheltered waters, this craft will, nevertheless, be capable of crossing the Atlantic, and, weather being fair, of crossing it at a speed that would make the Lucania seem inert.

Fifty miles an hour! It almost takes one's breath away to hear of it. Think for instance, of the possibility of being transported from this country to Europe in a little more than forty-eight hours; of break-fasting in New York on a Saturday morning and lunching in Liverpool on Monday, Suppose that you owned this fast yacht, and some fine morning after breakfast you should take a notion to look in at Havana! Very simple, a mere matter of twenty-

eight hours if seas are smooth-the Highlands dropping astern one morning, the Morro lifting into view the

be it is possible to construct a vessel which will travel on water at the haditual gait of a "limited" on land, has long been a contention of marine architects and marine engineers. Give the architect a free hand, and do not

FOR THE FARMERS hedge him about with the limitations such as are generally imposed, and he will agree to turn out for you a phenomenally-speedy braft, fi speed is all that is required.

The vessel is to be launched early in May. She is to be ready for service by June 1st. Ayres & Son are building the hull only. The Bethlehem Steel company has the contract for furnishing the shafting; the engines are being built by Lysander Wright of Newark, and the boilers by the Crescent Shipbuilding Company of Elizabethport. These are to be of the Mosher water

Engines and boilers will weigh but a connection, are cream separators, and little over thirty-one tons. This, with many so-called separators are now be- the weight of the hull, will give the ing sold to dairymen throughout the yacht, when coaled and provisioned country. The Oregon Agricultural Col- ready for service, a displacement of

The normal bunker capacity will be sixteen tons, but arrangements will be The growing popularity of the farm made by which fourteen extra tons can size of the centrifugal cream separator be stowed in compartments other than has made it possibe for unscrupulous the bunkers. This will give the yacht a manufacturers to palm off on unsus- steam radius of 3,000 miles; that is, she pecting and uninformed purchasers so- can steam 3,000 miles before exhaustcalled separators which are not such in ing her fuel supply. On a coal conthe commonly accepted use of the term. sumption of one and a half tons a day, These 'separators' consist essentially of it is estimated that she can jog along a tin can in which the milk is placed, at sixteen knots an hour, and that an with an equal quantity of water, hence extration will give her a sustained speed of twenty-five knots an hour. How much fuel she will consume when going at full speed remains to be seen, but it is probable that at a fifty-mile-anhour gait she would exhaust her max-

Considering this extreme lightness construction and the terrific speed at which she is designed to travel, one fifteen dollars. These cans have been naturally wonders what would happen it by chance this yacht, in one of her two years, no less than ten different flights, should come into collision. It would seem natural to suppose that a crumbled length of alumnium and steel. with bits of splintered woodwork, would be all that would be left.

In this connection it may be interestng to recall the adventure of an Engish torpedo-boat which came into colsion with an iron steamship when traveling at a twenty-mile-an-hour speed.

"Although the impact was a severe one," wrote A. F. Yarrow in describing the accident, "the damage was quite local. Not a single joint in the machinery connections leaked, which probably would not have been the case had the vessel been built of stronger scantlings or less ductile material. The light platyielding buffer.

The Arrow is so constructed that she can readily be converted into a torpedo boat, and in case of another war. Mr. Flint would offer his speedy crait to the government for this purpose. But very few alterations would be necessary. These would include the removal of the ight deckhouse forward and the tearing away of the skylight oft. Where the deckhouse stands a conning tower would be placed over the spot where the skylight rests. Four one-pounder Hotchkiss rapid-fire guns of the American Ordnance Company type and two

have no rival in the way of speed—
that is, if she comes up to the expectations of her owner and of her builder.

The English torpedo boat destroyer
Viper, fitted with turbine engines—the with being the fastest war vessel afloat. papers, while four permits were grant- Ready Brush.

power, as against the English boat's children-forty-nine males and forty 12,000. The Viper measures 210 feet six females-attended private schools in length and has a beam of 21 feet, taught by eight instructors. She further differs from the Arrow in | The estimated value of school houses having four screw shafts, with two pro- and grounds is \$102,360; the furniture, pellers on each shaft.

The Arrow is divided by six bulkheads into seven water-tight compartments. Eight feet abaft the bow is a \$1350 and messroom, and abaft of that is the 757.25. leaving a balance on hand of lays of horses waiting along the road. galley, a space which shore-going folk \$4876.58. would call the kitchen.

Directly over the galley will be log feet in length, with seats on either side, arranged so as to be used when necessary as berths for the accommoda- tended school during the year, nine of train was out of the station made the tion of two persons.

Abast the galley is the boiler space. a compartments 30 feet in length, and arranged for two boilers. The coal bunkers adjoin this compartment, and next abait comes the engine-room, a space 20 feet 6 inches in length. Adjoining the engine-room is a pantry. and abaft is the main saloon. This is 18 feet in length, and is to be fitted with a chiffonier, a fireplace at the forward end, octagon buffets in each corner and sofas on either side, with lockers underneath. Sleeping accomm idations for six people will be provided in this saloon.

The yacht is to be provided with two sets of steering gear—one on the bridge, the other in the pilot-house. bridge, the other in the pilot-house, and apparatus at \$975. This property She will carry a small dynamo and a was insured for \$300. The superintendsearchlight of 3,000, candle power

The name Arrow is to be carved and gilded on mahogany name boarls. These are to be fastened on each side of the pilot-house. The name and hailing port, with appropriate decorations, will be carved and gilded on the stern. propriate Indian design, which has not yet been decided upon. The hull will be grooved for a gold stripe one and silky-haired spaniel, says the St. Louis one-half inches wide, extending the Globe-Democrat, whose home is on whole length of the vessel on each side. and gilded on each side of the bow. Captain D. C. Packard, a well-known be. ha and of the Nada.-Republic,

A Minister's Mistake.

A city minister was recently handed a ter intended for the reading.

CASTORIA

for Infants and Children.

The Kind You Have Always Bought has borne the signature of Chas. H. Fletcher, and has been made under his personal supervision for over 30 years. Allow no one to deceive you in this, Counterfelts, Imitations and "Just-as-good" are but Experiments, and endanger the health of Children-Experience against Experiment.

The Kind You Have Always Bought Bears the Signature of

In Use For Over 30 Years.

Walter Morley

Dealer in all kinds of Woven Wire Fencing Send for circulars.

GET OUR PRICES ON HOP WIRE

NO. 59 STATE STREET, SALEM, OREGON.

SCHOOL STATISTICS

TWO COUNTY SUPERINTENDENTS RE-PORT TO PROF. ACKERMAM

Showing Condition of the Educational Interests in Union and Curry Counties Last Year.

(From Daily, April 7th.)

Two county school superintendents filed their anual reports of the condition of the educational departments of their counties, and the financial statistics of their districts for the past year. ing formed, as it were, a gradually in the office of Prof. J. H. Ackerman. county, are the two officers filing their reports, and both show excellent conditions prevailing, with a heavy enrollment of pupils, teachers holding, on an average high-grade papers, and with financial statements of which they may well feel proud. Following are excerpts from the two reports, showing some of the details of the statistics embodied

Union County.

shallow pan; but perhaps require rather less labor. In all probability they would give better results if used without dilution and immersed in as cold water as torselved to be accomplished within their districts, 205; average daily at forty-eight hours.

Number of persons of school age. Wrote Stories. ... Waker Scott would form the armament. The conversion could be accomplished within number attending school outside of their districts, 205; average daily at their districts, 205; average daily at their districts. Tremendous Boaster. As a torpedo boat the Arrow would tendance, 2405. Forty male and ninety- Perfectly Tremendous Boaster. Viper's 320, and has but 6,000-horse school during the year while ninety-five

Curry County.

tendance was 404. Twenty-one teach-ers-seven male and fourteen female-dered next day why Colonel Gatacre pers; four second grade and two third, ride. while only twelve read an educational journal. In the county, 232 children of school age did not attend school during the year, and fifty pupils-twentyseven male and two female-attended private schools, two male teachers being in charge of that work.

ent's salary is \$300 per annum.

districts, with eighteen school houses, can afford it, so they don't press their the receipts for school purposes for claims. 'See?" the year amounted to \$4441.45, of which sum \$3801.86 was expended, leaving a balance of \$639.59 on hand.

A DOG'S SUPPLICATIONS.

"Mike" is the name of a little gray, Maryland avenue, and he is a most cun-Appropriate decorations will be carved ning and amusing animal, and as wise as it is posisble that a little dog can His mistress has taught him many yacht captain, has been selected to com- tricks. He can tell you what he does mand. He was master of the Kanapa- when the policeman comes, playing dead dog, and he can call his mistress when the telephone bell rings, and is altogether a delightful dog. He has been taught to beg for things, and his begging looks for all the world like like coaxing, so cunningly it is done. notice to be read from his pulpit.
Accompanying it was a clipping from a newspaper bearing upon the matter. The clergyman started to read the extract and found that it began:
"Take Hemp's Balsam, the best back, and this time he stayed so long."
This was hardly what the mistress went up or tire her. Cough Cure." This was hardly what that his mistress went up stairs herhe had expected and, after a mo- self to see what was keeping him. A ment's hesitation, he turned it over, heavy satchel had fallen upon the slipand found on the other side the mat- per, and the little dog, after trying in 3. vain to move it, sat on his hind legs,



with his little paws raised in suppli cation, hoping that he might persuade superimendent of public instruction, the satchel to get off the slipper. He yesterday. Supt. E. E. Bragg of Union county, and Supt. W. S. Guerin of Curry prayer was efficacious when his mistress lifted the hindrance.

PRIZE QUESTIONS.

The following list of questions and answers was used not long ago in a woman's club. The ansewrs were not given out, and those who handed them in received prizes: Well-Earnest Glory. W. E. Gladstone

Consecrated Benefactress Clara Barton Fought Evil Whisky ... F. E. Willard

Rosa Bonheur She can run thirty-five knots an hour, ed. The number of teachers in the His Writings Last. H. W. Longfellow

GATACRE AS A GALLANT.

Of General Gatacre it is said that he does not know what it is to be tired. Roy, N. Y. He held an appointment at one time \$14.837, and apparatus, etc., 95317. The in one of the big military departments school property is insured for \$43.113 at Simia, and was a hard-worked man. Supt. E. E. Bragg receives a salary of There was some little act of courtesy he had been asked to perform, for a collision bulkhead, which gives a stor- The county has seventy-six organized lady leaving Ambala by a midnight age space for fresh water. Directly districts, with seventy-five school hous \$\frac{1}{2}\$ train. One distance is well over too abait this bulkhead is the forecastle. the average number of months taught train. The distance is well over 100 This compartment is 13 feet long and during the year is six. The receipts Himalayan paths. He was not willing will have accommodations for twelve for school purposes during the year is to shirk his day's work in his departmen. Adjoining this is a narrow store \$61,012.70; and the disbursements, \$58,- ment, so had telegraphed to have re-Five minutes after he had disposed of of payment. They were taken under his last "file" for the day he was in the foretclosure by non-residents, hence saddle, galloping at breakneck pace are offered for less than similar farms Supt. Wm. S. Guerin reports the down the hill road. He was at Am- held by resident owners. For full parnumber of the children of school age in bala before midnight, did whatever be his county to be 682, of whom 450 at- had been asked to do, and before the them being under six years of age, and dust curl up as he galloped over the twenty-five attending schools ourside flat road that leads back from Ambala of their districts; the average daily at to Kalka-there was no branch railway were in charge of the work, receiving was late, but when he took his place an average of \$41 and \$38 respectively. at his desk at midday he showed no Thirteen teachers held first grade passigns of having done a record-breaking

PROSPERITY'S SIGN

"Huh!" exclaimed Growell as he glanced over a bill from his wife's dressmaker. "Here's an item of \$20 for that little border of fur around the School house property in the county hem of your skirt. Now, I'd like to is valued at \$4180; furniture at \$1145, know what benefit that is?"

"It's a good advertisement for you, my dear," responded his better half Your creditors see it and take it for The county has twenty-five organized granted that you are prospering and

JENNY KISSED ME.

Jenny kissed me when we met. Jumping from the chair she sat in. Time, thou thief! who love to get Sweets into your list, put that in.

Say I'm weary, say I'm sad; Say that health and wealth have missed me; Say I'm growing old, but add-Jenny kissed me!





SOLID QUARTER SAWED OAK DROP DESK CABINET

trated catalogue. It is free. Winchester Repeating Arms Co. NEW HAVEN, CONN. 418 Market St., San Francisco, Cal.

SEND US ONE DOLLAR OF TAX SATE OUR \$38.50 WONDER

and we will SPECIAL HIGH GRADE \$38.50 STOCK SADDLE YOU CAN EXAMINE IT at your nearest freight depot, and if found perfectly antisfactory, exactly as represented An Extra Fine High Crade Saddle and the equal of saddles sold everywhere at from \$45.00 to \$60.00. OUR PRICE, \$38.50, pay the freight arent or \$65.50, and freight are \$67.50, and freight

This Saddle is made on a 15½ or 16-inch Cenuine Ladesma or Nelson Heavy Steel Fork....
REFULLY SELECTED RAWRIDE COVERED Ex. bound or roll cantle, steel leather covered stirrups 2 then oabow brase bound, as desired. Will send bound to unless otherwise cedered. TREE IS MADE EXTRA STRONG Skirts, 30-inch long lined, 3-inch wide lace stirrup feathers, 1g-inch tie straps, extra long on near side, 3-inch to buckle on offside, heavy cotted twisted Mexican 5-inch front cinch, heavy cotted belling flank cinch, connecting strap. Loop seat, scat and

ELECANT HAND RAISED STAMPING

as illustrated. Weight of Saddle about 35 pounds packed for shipment, 45 pounds. FREIGHT IS ONLY ABOUT packed for shipment, 45 pounds. FREIGHT IS ONLY ABOUT \$1.00 FOR EACH 200 MILES.
WRITE FOR FREE VEHICLE, HARNESS AND SADDLE CATALOGUE, showing a full line of Cowboy and Rancher Outfits at the lowest prices ever quoted. Address, SEARS, ROEBUCK & CO. (Inc.) CHICAGO, ILL.

Shake Into Your Snoes

Allen's Foot-Ease, a powder. It cures

From \$6 to \$25 per acre

These lands are in Marion county, Dregon, and are offered on easy terms ticulars and description call on or address Macmaster & Birrell, 311 Worcester block, Portland, Oregon, or

BOZORTH BROTHERS SALEM, OREGON.

FIR FENCE POST, coated with

.. Carbolineum Avenarius...

Will out wear Cedar it is also a Radical Remedy Against Chicken Lice. Its application to the insde walls of poultry houses will permanently exterminate all LICE.
Results: Healthy Chickens-Pienty eggs. Write for circulars and prices and men-

tion this paper.
R. M. WADE & CO., Agents,
SALEM, OREGON.

NOTICE:-The French Golden Washing Compound, the best washing OUR \$1:50 ANTI FAT. BELT troduced throughout Marion county For \$1.50 we furnish the celebrated BROWN'S AB by G. Sommers, of Silverton, Oregon, Samples gladly jurnished on applica-4:3-W2UL

CONTRACTS TO LET.—The Allen Evaporating and Cannery Co. is

WANTED TO BUY A FEW DRY cows also some yearlings and 2-yearclds, for which the highest market price will be paid. Thomas-Watt

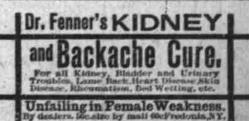
Choice WHITE SEED OATS. raised on the WALLACE farm. Apply to the Wallace orchard, or Salem GEORGE E. SLY, Sup't Water Co., Salem, Or.

CARBOLINEUM AVENARIUS.

The most radical remedy against painful, smarting, nervous feet and in- chicken lice and the best wood-pregrowing nails, and instantly takes the serving paint is Carbolineum Avenaristing out of corns and bunions. It's our, manufactured in Germany only, the greatest comfort discovery of the The farmers all over the country If the Arrow exceeds that speed it county taking some educational journal Noted, Words. Noah Webster age. Allen's Foot-Ease makes tight count amongst their heaviest expenses or new shoes feel easy. It is a certain to run the farm, the lumber bill. All cure for sweating, callous and hot, tired are undoubtedly interested to learn of aching feet. Try it today. Sold by a medium to reduce the same at least all druggists and shoe stores. By mail to half its former cost. This medium FREE. Address, Allen S. Olmsted, Le preserving paint based on 25 years' experience. Many are of the opinion that paint, tar and linseed oil will preserve the wood against rot and decay. These coatings only form an air-tight cover, but do not destroy the albuminum parts of the wood, which always start the rot. The coatings with above mentioned materials prevent the evaporation of the wood and the consequence is dry rct, Carbolineum Avenarius, on the contrary, penetrates deeply into the wood and destroys all present decay matters. The Carbolineum Avenarius is applied with a brush and imparts a nice nut Brown color to the wood. It is used on the farm for painting barns. granaries, shingles, silos posts, bridges, chicken coops etc., and all woodwork above and below the ground. Carbolineum Avenarius is also the most radical remedy against chicken lice. If you want plenty of eggs and healthy chickens, the chickens must be free from lice and mites. Carbolineum Avenarius will keep your henhouse free from this plague. One coat applied to the laside of the chickon coop will keep it clean from vermin. Kerosening and whitewashing, which has to be repeated every month, is done away with and expenses for sulphur and insect powder are saved. Whoever disires further information about Carbolineum Avenarius should write to

R. M. WADE & CO., Agents. Salem, Oregon.

particulars call at their office at the cannery. 2:9-if w ANTED. TO BUY A FEW DRY loss also some yearlings and toma set of the coming season. For fair this 44, out and send to us with \$1.50 and 10 cents extra for postage, state beight, wight, age and number inches arround the body largest part, and we will send the belies to be without this beit. Some also some yearlings and toma set of the total at their office at the send to us with \$1.50 and 10 cents extra for postage, state beight, wight, age and some postage and toma set of the coming season. For the can afford to be without this beit. Some particulars call at their office at the season and to us with \$1.50 and 10 cents extra for postage, state beight, wight, age and some postage and to us with \$1.50 and 10 cents extra for postage, state beight, wight, age and some postage and the being the season and the season



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