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 will make Sills, Granaries, Basements, etc., Water-proof, Rat-proof, Fire-proof and Proof against Mold, Mildew, White Portland Cement is the best for Stucco Plaster on outside for Hungarians—Does not stain and dirt can be hoisted off. Write for Literature. Sold by A. McMillan & Co., 120 Union Ave. N., Portland.

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 Write us for prices and market conditions on Veal, Hogs, Poultry, Fruits, Potatoes, Onions, etc. Forty Years in the Same Location. Portland, Oregon.

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 We Pay Highest Prices for HIDES, FELTS, WOOL, MOHAIR, CASACA, BARK. Address Department B. Write for Prices and Shipping Tags.

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EXPERT Dyeing & Cleaning
EXCELLENT SERVICE
 By Parcel Post. Return Postage Paid. Write for Circulars and Prices.
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RUBBER STAMPS and MARKING DEVICES.
"Everything for the Office"
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 200 E. 3rd Street, Portland, Oregon.

INCOME TAX PROBLEMS
 Expert advice on any income tax problems. Several years actual experience in Government. Those unable to visit our office. State your troubles briefly and send in with \$1 and we will give you honest to goodness advice. It will pay you to get in touch with us now. E. J. Curtis, Room 806 Lewis Bldg., Portland, Oregon.

RAINIER HOTEL
 Rate \$1.90 and up. 128 S. 6th St., Portland, Ore. Very Centrally Located. Convenient to all Depots, and one block from Main Postoffice.

NEW HOUSTON HOTEL
 Fire Proof and Modern. A. E. Holcombe, Manager. Weekly Rates to Permanent Guests. Commercial Iron Works, 7th & Madison. From New Postoffice, Four Blocks from Union Depot, Portland, Ore.

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SPECIALIST
 Female and Rectal Troubles and GLAND TRANSPLANTATIONS

Chicken House Sash, 67c
 Write for prices on doors and windows. Mention this ad. We manufacture. BEACON SASH & DOOR CO., 214 1st St., Portland, Ore.

PATENT ATTORNEY
 We can show you how to turn your patentable ideas into cash. Oregon Licensed Mechanical Engineer, THOMAS BILYEU, 22 Stevens Building, Portland, Ore.

"A Moderate Priced Hotel of Merit"
HOTEL CLIFFORD
 East Morrison St., at East Sixth, the Principal East Side Hotel. 5 minutes from Shopping District. Four blocks from East Side Station.

SHIP US YOUR WOOL
 Wool cleaning and carding. Wool hats and mattresses made to order. We do custom carding. Write for prices.
Crystal Springs Woolen Mills
 Established in 1905. Main Office and Factory, 769 Umattilla Ave., Portland.

PILES
 FISTULA, FISSURE, itching and all other rectal conditions except Cancer permanently cured with out a surgical operation. My method of treatment moves the tissue instead of destroying it. It is painless, requires no anaesthetic and is permanent. There is no confinement or interference with business or social engagements. I guarantee a cure or will refund your fee. Call or write for booklet. Mention this paper when writing.
DR. C. J. DEAN
 Second and Morrison Sts., Portland, Ore.

AROUND THE WORLD

Chinese have inquired fans for sale, but use a cheap bamboo and paper contrivance themselves.
 Bohemia proposes to coin a small currency of glass. The new coins will be much cheaper to manufacture than the present metal currency.
 The new chancellor of Syracuse university, Rev. Charles W. Flint, is the son, the grandson and the great grandson of Methodist local preachers.

A perfect preserved carcass of a mammoth was found frozen in the ice in Siberia in 1903.
 The globe fish, an inhabitant of tropical waters, is said to be the only member of the finny tribe that swims on its back.
 The area of Egypt proper is about 400,000 square miles, but only 12,976 square miles are fertile and inhabited by a settled population.

VILLA IS TO BECOME BEEF BARON

Former Mexican Bandit Chief Will Rebuild Packing Plant at Ciudad Juarez.

American Consul John W. Dye. The property was destroyed by fire in August, 1920. The rebuilding and installation of equipment, Mr. Dye said, will cost \$50,000, and when completed will give employment to 200 workers.

DAIRY FACTS

APPLE-PECTIN AS COW FEED
 Pulp Should Prove Valuable Adjunct to Fare of Animal When Compared With Silage.

(Prepared by the United States Department of Agriculture)
 That dried apple-pectin pulp should prove a valuable adjunct to the fare of the dairy cow is the conclusion drawn from analyses and feeding trials conducted by the bureau of chemistry, United States Department of Agriculture, in collaboration with the Bureau of Animal Industry. This feed made a favorable showing when compared with dried beet pulp and corn silage. Apple-pectin pulp is the by-product remaining after pectin has been extracted from apple pomace, or, as it is sometimes called, cider-press cake. After the pectin has been extracted about three-fourths of the total weight of the pulp is water, rendering it subject to rapid spoilage. Hereofore it has been thrown away, but it has been found that when the pulp is dried it can be kept for a considerable time and, because of its reduced weight, handled and shipped economically. Some manufacturers have recently installed evaporators for drying the pulp in order to market the product for stock feed.

The feeding experiment included a preliminary test with one cow for a period of 20 days, and a later one with 4 cows. The dried pectin pulp was always mixed with three times its weight of water several hours before feeding. In the first test the cow was fed corn silage for 20 days, then, after a transition period of 5 days, she was given pectin pulp for 20 days, and, after another transition period of 5 days, she was fed corn silage for another 20 days. In all these periods grain was fed in connection with the roughage.
 The average production during the corn-silage feeding-periods was 312 pounds of milk and 14.65 pounds of butterfat. During the period when



A Convenient Arrangement for Feeding Cows Which Saves Much Labor.

pectin pulp was fed the cow made 356.9 pounds of milk and 15.68 pounds of fat. Although this test showed that the pulp produced 14.7 per cent more milk and 7.1 per cent more butterfat than the corn silage, the results can not be considered conclusive. In the second and more extended experiment the pectin pulp was compared with dried beet pulp, a feed that it resembles more closely than corn silage. The 6 cows were fed for 30 days on beet pulp soaked with three times its weight of water, then, after a transition period of 10 days, they were fed for 30 days on pectin pulp soaked with a similar quantity of water. The soaking was from one feeding time to the next, but in warm weather the pulp should not be allowed to soak for more than one or two hours. The pectin pulp contained approximately 7 per cent crude fat (not all of which is true fat), 7 per cent crude protein, and 26 per cent crude fiber, as compared with 0.5 per cent crude fat, 8 per cent crude protein, and 20 per cent crude fiber in beet pulp. The two feeds are similar in being able to absorb water readily.
 The cows while on the ration containing the beet pulp produced 4076.5 pounds of milk and 171.86 pounds of butterfat; while on the pectin-pulp ration they produced 4376.7 pounds of milk and 152.92 pounds of fat. Forty pounds of the wet pulp were offered to each cow daily. The palatability of the pectin pulp did not appear to be so high as that of the beet pulp, since the cows did not eat it so readily. It seems that pound for pound of dry matter the pectin pulp is superior to corn silage and perhaps intermediate between the silage and beet pulp.
 The loss of appetite for the pectin pulp by some of the cows may be attributed to the fact that it was the less familiar feed and that the second test was conducted during the summer when cows are more apt to tire of such feeds.

Poor Cows Don't Pay.
 It does not pay to keep poor cows, nor does it pay to stint any cow in the way of the best feed money can secure.
Object in Milking.
 Some farmers milk good cows for profit; others milk poor cows for exercise.
Scrub Deserves Medal.
 The man who uses a scrub bull deserves a leather medal made out of the bull's hide.
Growing the Calf.
 Practical growing of dairy calves has shown that they can be as successfully grown on skim milk as on whole milk—provided the right methods of feeding are followed.
Work of Good Dairyman.
 The good dairyman looks after the comforts of his cow. His milk check tells the story.
Protection in Bad Weather.
 The dairy cow needs protection from bad weather.

WORKS FOR CHILD MUST KEEP WELL

Mothers in a Like Situation Should Read This Letter from Mrs. Enrico



Chicago, Illinois.—"I took Lydia E. Pinkham's Vegetable Compound for a serious trouble. I had tried doctors and all said the same—an operation. At first I only felt the pain on my left side, but later I seemed to feel it on both sides. I am a power sewing-machine operator and have a little girl to support. I work in a tailor shop and that kind of work has been very slack this year and I am home part of the time. I do not like to take any chances, so I consulted my friends, and one lady said, 'Take Lydia Pinkham's medicine,' so I did. I have felt better right along and am in good enough health to go to work. I recommend your Vegetable Compound and Sanative Wash to all."—Mrs. MARY ENRICO, 459 N. Carpenter St., Chicago, Illinois.

Often the mother is obliged to support her children and good health is necessary. Lydia E. Pinkham's Vegetable Compound is just the medicine you can depend upon. It is a medicine for women's ailments and the relief it brought Mrs. Enrico it may bring to you. Keep well by taking Lydia E. Pinkham's Vegetable Compound.
Did Seem Time for New Hat.
 When does a man need a new hat? This by Barrie Payne ought to shed some light on the question: "We shall have to purchase a new hat. It embarrassed us a little yesterday to discover, in observing the usual social amenity in the presence of a lady, that we had politely lifted the brim of our hat and left the crown in statu quo."—Detroit News.

How Halifax Got its Name.
 Halifax, the capital of Nova Scotia, founded by Lord Cornwallis in 1749, is named after the earl of Halifax, the English statesman who served his country in the house of commons and house of lords from 1688 until his death in 1715. In England, the city of Halifax is of considerable importance as a market town.

Pioneers of Today.
 The young fellow who leaves a salaried job to go into business for himself is as much of a pioneer as his ancestors who crossed the plains.—Portland Oregonian.

Nova Scotian Honorary Titles.
 In 1621 James I conferred the titles knights and baronets of Nova Scotia on a number of Scotch adventurers whose object was to colonize North America.

To Restore Handwriting.
 To restore faded writing, moisten the paper and brush over with a solution of sulphohydric ammonia. This article can be obtained from any good druggist.

And Few Really Enjoy It.
 "Even a dictionary can't tell you everything," said Uncle Eben. "Contentment is a word of three syllables, but dar ain't nobody I ever saw dat knows exactly what it means."

First-Known Englishman.
 The first-known Englishman, according to scientists, was the Piltdown man, so called from a part of a skull found at Piltdown, in Sussex. The brain capacity is equal to the smaller human brain of today.

True.
 A millionaire can't make "has went" and "I done" sound any better than a day laborer.



Mrs. Bert Putman

Self Preservation—Nature's First Law—HEED IT!
 McKenna, Wash.—"I consider Dr. Pierce's medicine to be wonderfully good and recommend them to everybody. I used Dr. Pierce's Favorite Prescription for feminine trouble and was cured. And my uncle used Dr. Pierce's Golden Medical Discovery with fine results."—Mrs. Bert Putman, Box 192.
 When run-down you can quickly pick up and regain vim, vigor, vitality by obtaining this Medical Discovery of Dr. Pierce's at your nearest drug store in tablets or liquid, or send 10c to Dr. Pierce's Invalids' Hotel in Buffalo, N. Y., for trial pkg. or write for advice.

Red Cross BALL BLUE

is needed in every department of house-keeping. Equally good for towels, table linen, sheets and pillow cases. *Grows*
Are You Satisfied? BENJAMIN WALKER BUSINESS COLLEGE
 is the biggest, most perfectly equipped Business Training School in the Northwest. Fit yourself for a higher position with more money. Permanent positions assured our Graduates.
 Write for catalog—Fourth and Yamhill, Portland.
 P. N. U. No. 18, 1922

Highway Improvement

PUBLIC ROAD CONSTRUCTION
 About One-Half of All Highways Being Built Are Being Aided by the Government.

(Prepared by the United States Department of Agriculture)
 What the new federal highway appropriation to be expended under the direction of the bureau of public roads, United States Department of Agriculture, will mean to the country is accurately gauged in a synopsis prepared by the bureau, showing the use to



Construction of a Rock Road.

which the \$275,000,000 previously appropriated by congress has been put. Up to December 31, \$212,077,246 had been put to work in projects either entirely complete or under construction. To match that amount the states appropriated \$285,579,312, making a total of \$497,656,558.

If placed end to end the roads to be paid for by this money would encircle the earth at the equator and extend as far as from New York to San Francisco on the second lap. The total mileage of roads under construction and completed, the department's records show, was approximately 27,000 miles. Of this mileage 9,555 miles was in projects entirely completed. The balance of 17,445 miles was in projects which were still under construction but reported 69 per cent complete October 31. In those projects there was the equivalent of 12,000 miles of completed roads, so that the completed road to date was more than 21,000 miles, or nearly enough to encircle the globe.

Prior to five years ago the federal government took no active part in the road construction of the country. Today about one-half of all roads under construction are being aided financially by the federal government, and the construction is subject to inspection and approval of federal engineers.

APPROVE HIGHWAY PROJECTS

According to Announcement of Bureau Every Type of Construction Is Represented.

Ninety-three road construction projects in 28 states were approved for federal aid during October by the bureau of public roads, United States Department of Agriculture, according to a compilation just made public. Virtually every type of construction is represented in the approved projects. The states in which these projects were approved and the number of projects approved in each state follow: Alabama, 3; Arkansas, 3; California, 2; Colorado, 1; Florida, 1; Idaho, 1; Kansas, 8; Maryland, 5; Massachusetts, 2; Minnesota, 15; Mississippi, 6; Missouri, 4; Montana, 1; Nebraska, 2; Nevada, 1; New Mexico, 2; North Dakota, 2; Ohio, 2; Oklahoma, 1; Pennsylvania, 5; South Carolina, 5; South Dakota, 1; Texas, 3; Utah, 1; Virginia, 12; Washington, 1; Wisconsin, 2; and Wyoming, 1. The longest single stretch of roadway approved in one project during the month was an earth road in Calhoun county, Mississippi, 35.3 miles long; the shortest, 0.9 mile, was a brick road in Stark county, Ohio.

GOOD USE FOR SUBSTITUTES

Gravel and Macadam Can Be Employed Until More Durable Type of Road Is Built.

It will require several years for the United States to carry out the plans for a comprehensive system of hard-surfaced highways. Until such time as the main highways can be built of the durable type, gravel and macadam may be used as substitutes, but what the whole country wants and demands are real honest-to-goodness good roads.

One of Largest Industries.
 Road building in the United States is one of the nation's largest industries, a million men being employed last year throughout the construction season at building or repairing the country's highways.

Asphalt Streets in Majority.
 Virtually 61 per cent of all the municipal streets in the United States have an asphalt top. As a consequence of heavy truck traffic many of these streets are beginning to show serious evidences of disintegration.

Means to Lessen Accidents.
 As a means to lessen automobile accidents, the bureau of public roads, United States Department of Agriculture, urges the standardization of all danger signs along the American roadways.
Money for More Roads.
 Conservative estimates place the total expenditure for paving streets and highways of the United States in 1922 at more than a billion dollars. Slightly more than half of this amount will be expended on rural highways.

AFTER EVERY MEAL WRIGLEY'S P-K



It's a DOUBLE treat — Peppermint Jacket over Peppermint gum.
10 for 5c
 Sugar jacket just "melts in your mouth," then you get the delectable gum center.
 And with Wrigley's three old standbys also affording friendly aid to teeth, throat, breath, appetite and digestion.
 Soothing, thirst-quenching. Making the next cigar taste better.
 THE FLAVOR LASTS
 C30

Must Keep Credit Good.
 Lots of men do business on other people's money. Those who succeed learn that it's not how much business they do but how good they maintain their credit. The man who can borrow when he needs money is the man whose conduct of business is approved.—Exchange.

Horned Owl Is Powerful.
 The great horned owl, a typical woodland bird, is, says the American Forestry Magazine, the most powerful of them all, only inferior in strength and fierceness to the eagle.

Rarebit as a Means to Riches.
 "Diamonds found in a dream," runs a headline. If the story can be proved, its author can realize a handsome sum by disclosing what he ate before he went to bed.—Boston Transcript.

Says Uncle Eben.
 "De truth," said Uncle Eben, "is all dat counts in de long run. Tellin' a man de world is flat instid o' round, simply reminds him of de fact dat it ain't."

Training Child Through Play.
 The soul of the child in his play should be trained to that sort of excellence in which, when he grows to manhood, he will have to be perfected.—Plato.

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Kissing in China.
 Women in China never kiss, and when a Chinese woman wishes to show her affection she gently touches the hand of her beloved.

TWELVE YEARS AGO AND NOW

If you were a user of automobile tires twelve years ago, you know how true these things are. Goodyear Tires, you will remember, were good tires even then. But they gave hardly half the mileage that Goodyear users are reporting to us today. Good as they were, they could not compare in size or strength or lasting qualities with Goodyear Tires now. Goodyear Tires were low priced then. But they are far lower priced now. They sell today at prices that represent an average decrease of more than 60% from the level of 1910. The proof is in the Goodyear prices quoted below. The proof of better quality in Goodyear Tires today is furnished by the finer and abler performance of Goodyear Tires all over the world. Your Goodyear Service Station here in now offers you the utmost in Goodyear Tire value at the lowest Goodyear prices ever listed. See him today.

30 x 3 1/2 Cross-Rib Fabric.....	\$10.95	32 x 3 1/2 All-Weather Tread Cord.....	\$25.50
30 x 3 1/2 All-Weather Tread Fabric.....	\$14.75	32 x 4 All-Weather Tread Cord.....	\$32.40
30 x 3 1/2 All-Weather Tread Cord.....	\$18.00	33 x 4 All-Weather Tread Cord.....	\$33.40

GOODYEAR

Western Made for Western Trade