

MONUMENTS-E. 3d and Pine Sta Otto Schumann Granite & Marble W PERSONAL

orks.

MACHINERY



Pulp Should Prove Valuable Adjunct from Mrs. Enrico to Fare of Animal When Compared With Silage.

(Prepared by the United States Department d 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 Agricul-ture, 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 spollage. Heretofore 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 6 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 some light on the question: "We fed corn silage for 20 days, then, after shall have to purchase a new hat. It a transition period of 5 days, she was embarrassed us no little yesterday to given pectin pulp for 20 days, and, after another transition period of 5 discover, in observing the usual social days, she was fed corn silage for an- amenity in the presence of a lady, that other 20 days. In all these periods we had politely lifted the brim of our grain was fed in connection with the hat and left the crown in statu quo." roughage.

The average production during the orn-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 To restore faded writing, moisten 356.9 pounds of milk and 15.68 pounds the paper and brush over with a solu of fat. Although this test showed tion of sulpho-hydric ammonia. This more nilk and 7.1 per cent more but druggist. terfat than the corn silage, the re-





Chicago, Illinois. — "I took Lydia E. Pinkham's Vegetable Compound for a serious trouble. I had tried doctors and About One-Half of All Highways Being Built Are Being Aided by the Government,

all said the same-an (Prepared by the United States Department of Agriculture.) operation. At first I only felt the pain on What the new federal highway ap-propriation to be expended under the ny left side. but later seemed to feel it on firection of the bureau of public roads, both sides. I am a United States Department of Agriculpower sewing-mature, will mean to the country is achine operator and ave a little girl to upport. I work in a curately gauged in a synopsis prepared by the bureau, showing the use t



which the \$275,000,0000 previously ap propriated 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 \$285,379,312, making a total of \$497,456,558.

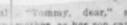
Halifax, the capital of Nova Scotla, If placed end to end the roads to be ounded by Lord Cornwallis in 1749, paid for by this money would encircle is named after the earl of Halifax, the the earth at the equator and extend as far as from New York to San Fran-English statesman who served his cisco on the second lap. The total country in the house of commons and mileage of roads under construction house of lords from 1688 until his and completed, the department's rec death in 1715. In England, the city of ords show, was approximately 27,000 Halifax is of considerable importance miles. Of this milage 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 Oc-The young fellow who leaves a sal-ried job to go into business for him- the equivalent of 12,000 miles of comaried job to go into business for himself is as much of a pioneer as his pleted roads, so that the completed road to date was more than 21,000 incestors who crossed the plains .-miles, or nearly enough to encircle

the globe. Prior to five years ago the federal row when he needs money is the man side. "In the future I think I'll have government took no active part in the whose conduct of business is ap- my dealings with a painter instead of road construction of the country. To- proved .-- Exchange. day about one-half of all roads under

on a number of Scotch adventurers construction are being aided financial whose object was to colonize North | ly by the federal government, and the onstruction is subject to inspection and approval of federal engineers.

> APPROVE HIGHWAY PROJECTS and flerceness to the cagle.

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



woodland bird, is, says the American mother, as her son came in from plays Forestry Magazine, the most however all at "this is bath night, you know." of them all, only inferior in strength "Then I think," answered the boy, "I'll go out and get a little dirtier."

### Poet Worthy of Honor.

Other Than Material Things.

love, that are of the noblest and

Kissing in China.

loftiest .- Maeterlinck.

hand of her beloved.

"Diamonds found in a dream," runs I think, and think I think rightly, a headline. If the story can be proved, the laurel appointed for triumphant



10 for 5c

Sugar jacket just

table gum center.

"melts in your mouth,"

then you get the delec-

And with Wrigley's three old

standbys also affording friendly

Less Costly Dealing. Lots of men do business on other "The portrait painter charged me people's money. Those who succeed \$1,000 to do me in oil," said the man

earn that it's not how much business who had just cleaned up in the stock they do but how good they maintain market. "You got off cheap," replied their credit. The man who can bor- the man who had been on the losing a broker."\_

MEAL

It's a

DOUBLE treat

-Peppermint

Jacket over Pep-

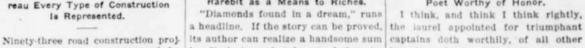
permint gum

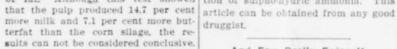
EVERY

### Saturday Note.

'The great horned owl, a typical "Tommy, dear," said the stern

### Rarebit as a Means to Riches.





When does a man need a new hat?

This by Barrie Payne ought to shed

How Halifax Got Its Name.

Pioneers of Today.

Nova Scotian Honorary Titles.

knights and baronets of Nova Scotia

To Restore Handwriting.

In 1621 James I conferred the titles

-Detroit News.

as a market town.

Portland Oregonian.

America.

And Few Really Enjoy It.

construction of a Rock Road.

### SPECIALIST

Female and Rectal Troubles and GLAND TRANSPLANTATIONS

### Chicken House Sash, 67c Write for prices on doors and windows. Men tion this ad. We manufacture. HEACOCK SASH & DOOR CO., 214 1st St., Portland. Ors

### PATENT ATTORNEY

We can show you how to turn your patentable deas into cash. Oregon Licensed Mechanical Engineer. THOMAS BILYEU. 202 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 B. P. East Side Station.

# PIPES Repaired by experts. SHIP US YOUR WOOL RUNE TREES!! PRUNE TREES!!! PHONE TREES!! PRUNE TREES!!! Before buying elsewhere see us. Columbia Nursery Co., 1490 Union Ave., Portland SANITARY BEAUTY PARLOR We beip the appearance of women. Twenty-two inch switch or transforma-tion, value 37.60, price \$2.45 400 to 412 Dekum Bidg. SHOE REPAIRING IN PORTLAND Model Shoe Repair, 272 Washington St. Davis Bros. American Shoemakers, 108 4th St.

Wool cleaning and carding Wool bats and mattresses made to order. We do custom carding. Write for prices.

Crystal Springs Woolen Mills

Established in 1905. Main Office and Factory, 760 Umatilia Ave., Portland

PILES

STULA, FISSURE, Itch except Cancer ly cured witht a surgical operation. Y method of treatment yes the tissue instead of estroying it it is pain-ma, requires no anes-betic and is permanent

bed, no interference social engagements. I

Call or write for booklet. Mention this pression to the contrary is due to the

Second and Morrison Sts., Portland, Ore. tising than he used to.

Wedding Bouquets and Funeral Pieces Lubliner Florists, 348 Morrison St. 10000 Jud Tunkins. Jud Tunkins says he believes the

VETERINARIAN-Cattle a Specialty

Crystal radio outfits, immediate ship-ment Detroit; retail \$10 and \$25. Head-quarters, Acme Products Co. 218 Chamber

WANTED-AGENTS

DR. C. J. DEAN fact that Satan is doing more adver-

# AROUND THE WORLD

contrivance themselves.

than the present metal currency.

son of Methodist local preachers. by a settled population.

Chinese have lacquered fans for sale, | A perfect preserved carcass of a but use a cheap bamboo and paper mammoth was found frozen in the ice in Siberla in 1963. secure.

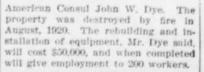
Bohemia proposes to coin a small The globe fish, an inhabitant of tropcurrency of glass. The new coins lcal waters, is said to be the only memwill be much cheaper to manufacture ber of the finny tribe that swims on its back. The new chancellor of Syracuse uni- The area of Egypt proper is about

versity, Rev. Charles W. Flint, is the 400,000 square miles, but only 12,976 son, the grandson and the great grand- square miles are fertile and inhabited

## VILLA IS TO BECOME BEEF BARON

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

Washington .- Francisco Villa, former Mexican bandit, who since Presi- will give employment to 200 workers, dent Obregon took office, has been ranching in southern Chihuahua, is to the Department of Commerce from duced.



The name kersey as applied to cloth, planning to rebuild his packing house is a corruption of Jersey, where this Cludad Juarez, according to advices favorite woolen material was first pro-

In the second and more extended ex-HORSES, MULES BOUGHT, SOLD U. S. STABLES, 365 Union Ave. Draft horses bought and sold. periment the pectin pulp was com-MACHINERY Send us your inquiries for anything in fron or Woodworking Machinery, Logging, Sawmill, Contractors' Equipmert, Loco-motives, Boilers, Engines, Crushers, Ball, Cause, Beiling, etc. Hurke Machinery Co., 228 Railway Exchange Bidg., Portland, Or. days on beet pulp soaked with three knows exackly what it means." times its weight of water, then, after a transition period of 10 days, they were fed for 30 days on pectin pulp MOLER BARBER COLLEGE Teaches trade in 8 weeks. Some pay while learn-ing. Positions secured. Write for catalogue 26 Burnside street. Portland, Ore.

soaked with a similar quantity of PERSONAL Marry If Lonely; most successful "Home Maker"; hundreds rich; confidential; reliable; years experience; descriptions free. "The Successful Cub." Mrs. Nash, Box 556, Oakland, California. PIPE REPAIRING DIDEC Renaired by experts two hours. The pectin pulp contained

approximately 7 per cent crude fat human brain of today. (not all of which is true fat), 7 per cent crude protein, and 26 per cent crude fiber, as compared with 0.5 per tein, and 20 per cent crude fiber in day laborer.

beet pulp. The two feeds are similar in being able to absorb water readily. The cows while on the ration con

taining the beet pulp produced 4976.5 pounds of milk and 171.86 pounds of butterfat; while on the pectin-pulp ration they produced 4376.7 pounds of milk and 152.93 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 sllage 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

Object in Milking. Some farmers mllk good cows for

exercise.

# profit; others milk poor cows for

Scrub Deserves Medal. The man who uses a scrub bull de-serves a leather medal made out of the bull's hide.

### Growing the Calf. Practical growing of dairy calves

ins shown that they can be as successfully grown on skim milk as on

ods 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 P. N. U. from bad weather.

"Even de dictionary can't tell you pared with dried beet pulp, a feed that everything," said Uncle Eben. "Conit resembles more closely than corn tentment is a word of three syllables, sllage. The 6 cows were fed for 30 but dar ain' nobody I ever saw dat

### First-Known Englishman.

The first-known Englishman, acwater. The soaking was from one cording to scientists, was the Piltdown feeding time to the next, but in warm man, so called from a part of a skull weather the pulp should not be found at Piltdown, in Sussex. The allowed to soak for more than one or brain capacity is equal to the smaller

True,

A millionaire can't make "has went" cent crude fat, 8 per cent crude pro- and "I done" sound any better than a

Mrs. Bert Putman

Self Preservation-Nature's First Law-HEED IT!

McKenna, Wash .- "I consider Dr. Pierce's medicines to be wonder-Pierce's medicines to be wonder-fully 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 Med-ical Discovery with fine results."— Was Bert Buiman Dos 199

ly 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.,



is the biggest, most perfectly equipped Business Training School in the North-west. Fit yourself for a higher position with more money. Permanent positions assured our Graduates. Write for catalog—Fourth and Yamhill, Portland.

Slightly more than half of this amount No. 18, 1922 will be expended on rural highways.

ects in 28 states were approved for by disclosing what he ato before he learnings, honor the poet's triumph. federal ald during October by the bu- went to bed .-- Boston Transcript. -- Sidney. reau of public roads, United States

Training Child Through Play.

The soul of the child in his play

Must Keep Credit Good.

Horned Owl Is Powerful.

### Says Uncle Eben.

Department of Agriculture, according to a compilation just made public. Virtually every type of construction is "De truth," said Uncle Eben, "is all Our own experience has taught us

represented in the approved projects. dat counts in de long run. Tellin' a that even in this world of reality there The states in which these projects man de world is flat instid o' round, exists dreams and desires, thoughts were approved and the number of simply reminds him of de fack dat it and feelings of beauty, of justice, and projects approved in each state fol- ain't."

low: Alabama, 3; Arkansas, 3; Callfornia, 2; Colorado, 1; Florida, 1; Idaho, 1; Kansas, S; Maryland, 5; Massachusetts, 2; Minnesota, 15; Mississippi, 6; Missouri, 4; Montana, 1; Nebraska, 2; Nevada, 1; New Mexico,

cellence in which, when he grows to when a Chinese woman wishes to show 2; North Dakota, 2; Ohio, 2; Oklamanhood, he will have to be perfected. her affection she gently touches the homa, 1; Pennsylvania, 5; South -Plato. 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, Misssissippi, 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 hardsurfaced 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.

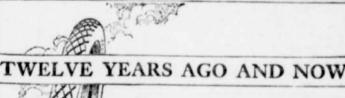
#### One of Largest Industries.

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.

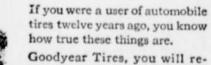
Virtually 61 per cent of all the municipal streets in the United States have an asphalt top. As a consequence of heavy truck traffic many of these streets are beginning to show serious evidences of disintegration.

#### 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 road-

Conservative estimates place the total expenditure for paving streets and highways of the United States in 1922 at more than a billion dollars.



should be trained to that sort of ex- Women in China never kiss, and



member, 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.



for Western Trade"



Mrs. Bert Putman, Box 192. When run-down you can quick-

for trial pkg. or write for advice.

Red Cross

is needed in every department of house keeping. Equally good for towels, table linen, sheets and pillow cases. *Grocers* whole milk-provided the right meth-

Are You Satisfied? BEHNKE WALKER BUSINESS COLLEGE

ways. Money for More Roads.

Asphalt Streets in Majority,