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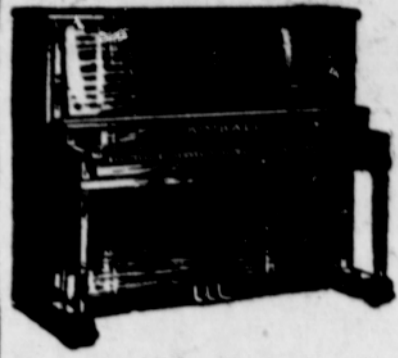
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PIANOS  
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## FIND OIL IN OKLAHOMA AFTER MANY FAILURES

Early History of the State Is Filled  
With Many Disappointments.

Tulsa, Okla.—Where years ago the North American Indian roamed the hills of eastern Oklahoma and the broad prairies of the western section, oil wells now appear, bringing to the surface the "black gold" for which eastern Oklahoma is famous.

The first well in Oklahoma was drilled in 1884 by Michael Cudahy of Omaha, Neb. When the well was at a depth of 1,120 feet, an oil sand was penetrated and there was a small showing, but not in paying quantity. The drillers were instructed to drill deeper, but at 1,800 feet, with no further trace of oil, the well was abandoned.

The showing of oil led many prospectors to Oklahoma, although as late as 1891 only 30 barrels of oil were produced. But there was considerable drilling.

Production continued to slump the next two years, only ten barrels of oil being produced in all of Oklahoma territory in 1898, but it increased to 6,474 barrels in 1900.

A well sunk just outside of the city of Red Fork in 1901 proved to be one of the largest producers, and caused many "wildcat" wells to be put down. The big oil play started in 1904, however, when the Glenn pool was uncovered.

From a small Indian trading post, Tulsa became a city of 7,000 in a year. Oil offices were brought to the city, hundreds of persons became wealthy from oil and built fine homes, stores, factories and all types of business establishments sprung up. Tulsa today is a city of 125,000 people in a state producing 400,000 barrels of oil daily, with indications it will go higher.

The year the Glenn pool was discovered, production was recorded at 1,300,000 barrels for the year, but the search for oil did not end there. It was found in the northern, central and southern portions of the state.

The northern miscellaneous fields have proved to be the heaviest producers. The southern and northern fields come next. The Garber field, in north central Oklahoma, is the most promising, in the opinion of oil men, as there are 15 sands, which virtually assures the driller a producer at some depth.

Wells range from 1,000 to 4,400 feet in depth. A few wells are now drilling with a view to going below 5,000 feet.

## "EQUINOCTIAL STORMS" MYTH

Have No Standing in Meteorology, Says Weather Bureau Expert.

Washington.—This is the storm time of the year, but there are no such things as "equinoctial storms." They are a myth and have no standing in meteorology, according to a statement by the American Nature association. This will shock thousands who have carried from school days some hazy information about "equinoctial storms," such as caught the Shenandoah. They are like squalls.

"There is no maximum of storm frequency according to statistics, either in this country or in Europe, close to the date of either equinox," according to the American Nature association, which publishes an extended statement on the point in Nature magazine, by C. F. Talman of the United States weather bureau. "Of course in the long run many storms do occur about these dates, just as they occur at all other times," the writer points out, "but there is no scientific reason for supposing their occurrence can be connected in any way with the sun's passage over what the schoolboy described as a 'menagerie lion running around the earth'."

Looked for in Autumn.

An "equinoctial" is looked for in the United States particularly in the autumn. The autumnal equinox occurs during the season of West India hurricanes, and it occasionally happens that storms of this character sweep up our eastern seaboard within a week or two of the date in question, extending their influence far inland. These events have probably helped to foster the widespread belief in an autumnal equinoctial storm.

"The Shenandoah was caught in a line squall," the statement continues. "A balloon or airplane would not have been exposed to similar strain and would probably have weathered the gale."

In fact, part of the wrecked airship, containing some of the gasbags, was washed to earth 12 miles from the scene of the disaster, carrying several members of the crew to a safe landing.

"The squall that caused this tragedy of the air takes its place in the catalogue of historic storms. It brought to general knowledge the fact, previously little realized except by weather men and armen, that storms can break their fury by blowing vertically as well as horizontally. It also naturalized the term 'line-squall' in the popular vocabulary."

"Violent upward and downward movements of the air prevail in all squalls and thunderstorms. This fact has been known for many years, but it has only recently assumed practical importance. Formerly only the birds and occasional balloonists were whirled aloft or dashed downward by vertical gales, but today such gales threaten the lives of an army of aeronauts."

"Squalls, like tornadoes, are of such brief duration and generally of such limited area that they defy prediction by means of the ordinary machinery of weather forecasting."

"As to storms, the 'Big Wind of Ireland,' January 6-7, 1839, according to contemporary newspaper accounts, was one of the great weather disasters of modern times."

"The 'Great Storm' of 1703 is supposed to have been the most severe tempest that ever visited the British Isles. It cost the lives of more than 8,000 seamen, including some 1,500 men of the royal navy."

"The Barbados hurricane of 1786 was probably the most destructive hurricane that has occurred in the West Indies."

"Saxby's gale swept over eastern Canada with terrific force October 4, 1869. It owes its name to the fact that it was predicted by a Lieutenant Saxby of the British navy."

Historic Storms.

"In the Backergunge cyclone, October, 1876, more than 100,000 people were drowned by the storm waves over the Ganges delta."

"The blizzard of March 11-14, 1888, also known as the 'great March blizzard,' the 'New York blizzard,' and in New Hampshire, as the 'town-meeting storm,' is historic."

"The Samoa hurricane of March 16, 1880, wrecked American and German warships in the harbor of Apia, with heavy loss of life."

"The St. Louis tornado of May 27, 1896, was the most destructive of the three tornadoes that have occurred in large American cities, the others being the Louisville tornado of 1890 and the Omaha tornado of 1913."

"The Portland storm of November 26-27, 1898, is the classic example of the danger of ignoring storm signals. The steamer Portland, which furnished the object lesson in this case, was one of more than 140 vessels wrecked by the storm on the New England coast."

"In the Galveston hurricane, September 8, 1900, there was great loss of life and property. This was mainly the work of water rather than wind. A less destructive Galveston hurricane occurred August 16-17, 1915."

Steals Canned Fruit

Fort Wayne, Ind.—A burglar who forced entrance to the basement at the residences of John Adams and A. H. Meyer carried off large quantities of canned fruit.

## S. P. Railway Co. TIME TABLE

Effective Sept. 7.  
Trains will arrive as follows:

To Portland	
No. 355	5:53 A. M.
No. 354	8:37 A. M.
No. 358	11:18 " "
No. 352	2:40 P. M.
No. 360	6:32 " "
From Portland	
No. 351	9:33 A. M.
No. 357	11:10 " "
No. 359	2:40 P. M.
No. 353	6:00 " "
No. 355	7:13 " "

Special, Sunday only 8:05 p. m.

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**H. W. Burnard, M. D.**  
Physician  
Phone Red 78, Dayton, Oregon.

**F. A. Sparhawk**  
TINSMITHS AND PLUMBERS  
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Something Special in Collision Coverage  
C. S. LEWIS, AGENT  
R. F. D. No. 2 Dayton, Oregon  
Phone 9x10

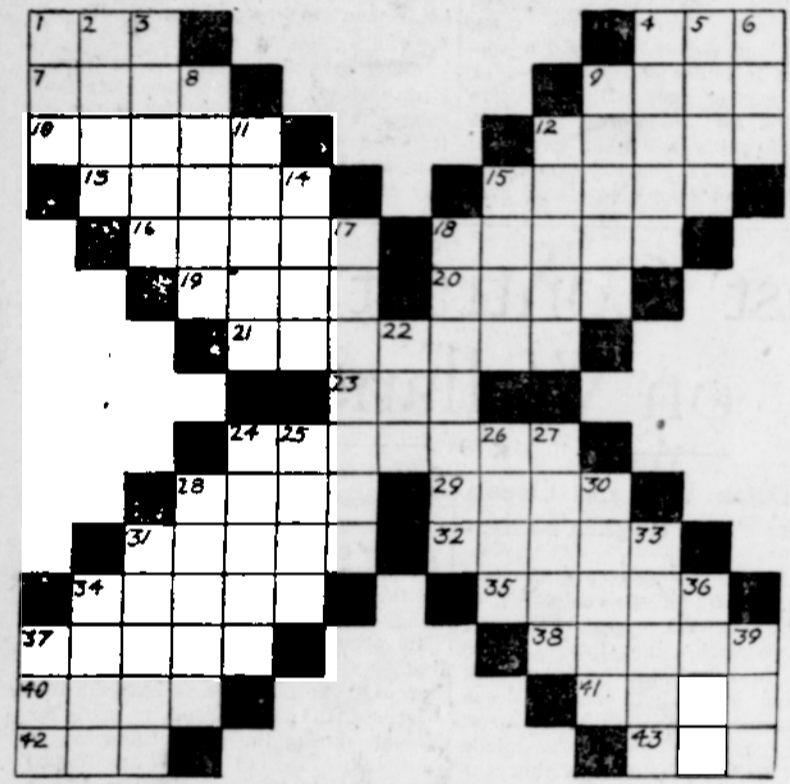
**Ladd's Funeral Home**  
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Day and Night Phone Blue 90  
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For Rates On HAY-GRAIN and miscellaneous HAULING  
Save Time and money  
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BEST BEES ON EARTH  
Mrs. C. E. Mauts, Prop.

**E. L. Grosline**  
General Shoe and Harness Repairing  
Shop next door to Arcade theatre  
Dayton, Oregon.

## CROSS-WORD PUZZLE No. 47



- (© by Western Newspaper Union)
- |  |  |
|--|--|
| <b>Horizontal.</b>                                   | <b>Vertical.</b>                               |
| 1—Meat   | 1—Possessive pronoun                           |
| 4—A soft plug to retain a charge of powder           | 2—Small particle of matter                     |
| 7—Short paragraph                                    | 3—Canteloupe                                   |
| 9—Secure   | 4—Bet  |
| 10—Pertaining to the sun                             | 5—Distant                                      |
| 12—Heathen   | 6—Lair   |
| 13—That which imparts motion                         | 8—Companions                                   |
| 15—Stream  | 9—Conserved                                    |
| 16—Roman historian                                   | 11—Heavy lines                                 |
| 18—Frolic  | 12—Muscular                                    |
| 19—Bench   | 14—Wander                                      |
| 20—Old   | 15—Violent feeling or state of mind            |
| 21—Burn slowly                                       | 17—Cork  |
| 23—Stuff   | 18—Human golf accessories                      |
| 24—Jumping   | 22—Once around a race track                    |
| 26—Talk wildly                                       | 24—Custom                                      |
| 29—Auditory organs                                   | 25—Across                                      |
| 31—Sword   | 26—Pointed piece of heavy wire                 |
| 32—Indian tribe                                      | 27—Junction of lower part of abdomen and thigh |
| 34—East Indian cheat                                 | 28—Collects                                    |
| 35—Fabric  | 30—Dawn (two words)                            |
| 37—Girl's name                                       | 31—Yellowish red                               |
| 39—Light feecy wrap worn over head and neck by women | 33—Three-masted Mediterranean vessel           |
| 40—Helps   | 34—Beautiful                                   |
| 41—Animal skin                                       | 36—Egyptian river                              |
| 42—Distorted   | 37—Part of face                                |
| 43—Letter  | 39—Consumed                                    |

### HOW TO SOLVE A CROSS-WORD PUZZLE

When the correct letters are placed in the white spaces this puzzle will spell words both vertically and horizontally. The first letter in each word is indicated by a number, which refers to the definition listed below the puzzle. Thus No. 1 under the column headed "horizontal" defines a word which will fill the white spaces up to the first black square to the right, and a number under "vertical" defines a word which will fill the white squares to the next black one below. No letters go in the black spaces. All words used are dictionary words, except proper names. Abbreviations, slang, initials, technical terms and obsolete forms are indicated in the definitions.

Solution of Puzzle No. 46.

P	E	N	A	L	T	E	R	S	E
A	R	A	D	O	E	T			
P	A	S	O		P	A	W		
E	S	T	T	O	A	R	E		
R	E	T	E	R	O	R	S	E	
L	A	G	O	R	O	D			
L	A	G	U	I	D	E	D	R	
U	R	N	T	O	Y	E	R	A	
N	O	W	N		M	E	T		
C	M		A	S	K	A	E		
H	A	I	R		Y	E	A	R	S

### Honor German Professor

The faculty of Bonn university in Germany recently gave a reception to Prof. Aloys Brandl, who retired as head of the department of English. The occasion was his seventieth birthday anniversary. Professor Brandl for many years was president of the German Shakespeare society and is one of the best known authorities in Germany on English philology and literature. The faculty of the university presented Professor Brandl with a portrait of himself by Hellemann. He also received an honor scroll from his former pupils on which was recorded tribute of his services to the university in the department of English.

### You Can Mail Bees

Bees and silk worms hate bees given special privileges in the international mails by the universal postal union convention held in Stockholm. They are permitted by mail while the convention has prohibited the mailing of all other live animals in the mails.

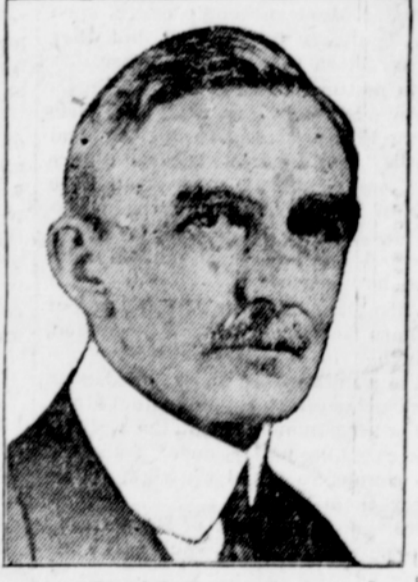
### The Law's Delay

The longest lawsuit I have ever heard of is one that was started in the Ninth century—and it is still going on! It crops up periodically in the republic of Andorra, in the Pyrenees, and relates to some property referred to in a contract drawn up over 1,000 years ago. The laws of Andorra are in a somewhat undecided state, and there is no immediate prospect of the case being settled. The lawsuit is thus about a thousand years old.—The Bits.

### QUALITY AND PALATABILITY IN MEAT SUBJECT OF STUDY

Experimental Work to Be Conducted in Twenty-Nine State Agricultural Experiment Stations.

Chicago.—Plans of procedure for a national study to determine the factors responsible for quality and palatability in meat have been definitely mapped out by a special committee of five live stock and meat specialists headed by Dean F. B. Mumford of the college of agriculture, University of Missouri. Membership of this committee, which was appointed by the American Society of Animal Production, includes E. W. Sheets, chief of the animal husbandry division, bureau of animal industry, United States Department of Agriculture, secretary; Prof. M. D. Haiser, chief in meat investigation, Iowa agricultural experiment station; Prof. H. J. Gramlich, animal husbandman, Nebraska agricultural experiment station, and Dr.



Dean F. B. Mumford.

C. Robert Moulton, director of the department of nutrition, Institute of American Meat Packers. The experimental work decided upon by the committee will be carried out by 29 state agricultural experiment stations. It will include experiments on feeding, breeding, methods of slaughtering, methods of cooking and other phases of the subject.

The study is sponsored by the National Live Stock and Meat board, an organization interested in extensive research and education regarding meat. Experimental stations co-operating with the board are Alabama, Arkansas, Georgia, Illinois, Indiana, Iowa, Kansas, Louisiana, Maryland, Minnesota, New Mexico, New Jersey, North Carolina, North Dakota, Oregon, Ohio, Pennsylvania, South Carolina, South Dakota, Missouri, Mississippi, Montana, Nebraska, Texas, Virginia, West Virginia, Wisconsin, Wyoming and New Hampshire.

### Girl With Proud Record Now Goes Into Business



Miss Vallie Grinith of Burlington, N. C., who on her seventeenth birthday has just taken a business position, claims the championship of America in the matter of school attendance. For eleven years and three months, in grade, high and business school, she was neither absent for a day nor tardy.

### Army Officers Work for Roll-Collar Coat

Washington.—Adoption by the army of coats with roll collars for all branches of the service, as recently authorized for air officers, is regarded as considerably nearer by many officers attached to the War department.

It was disclosed that a definite step in this direction has been made by Maj. Gen. Creed C. Hammond, chief of the military bureau, who has addressed circular letters to the adjutant general of all states requesting the views of National Guard officers on the subject. General Hammond entertains no doubt that the majority preference will be for the roll collar.

The proponents of the change assert that the present high and tight-fitting collar is a source of discomfort that far outweighs the "military appearance" ascribed to it as one of its virtues by those who advocate its retention.

### Wolves Reappear

Houghton, Mich.—Wolves are again drifting into the Upper Peninsula across the Wisconsin border, according to State Trapper Sam Bennetts of Kenton. Bennetts caught one of the largest timber wolves ever seen in the district.