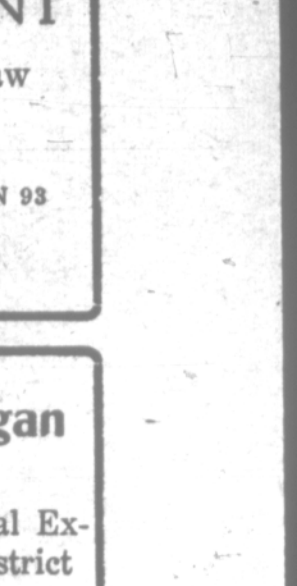
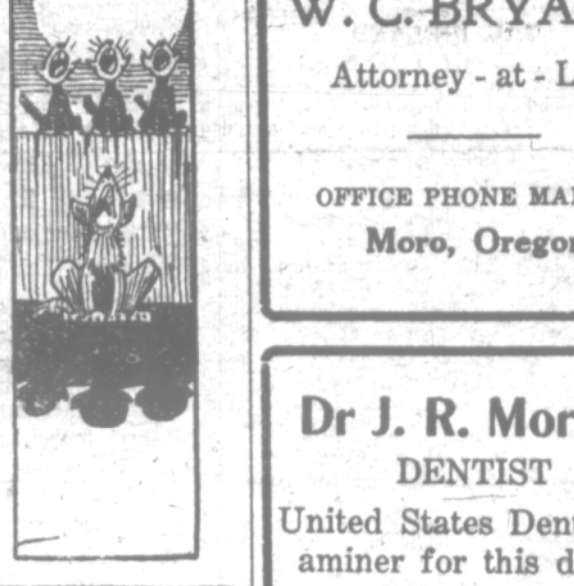


FINNEY OF THE FORCE

By F. O. Alexander



BIG MOUNTAIN MAY WEIGH LESS THAN SMALLER ONE

Geologist Gives Explanation of Some Tricks That Change Forces of Gravity.

Cincinnati, Ohio.—The higher the mountain the less its weight—that is, proportionately, on the principle of a cork in the water.

The earth's crust resembles the water in this curious analogy, and the tendency is for high mountains, like high-riding corks, to be made of something comparatively light.

The light weight in the mountain is not, however, wholly like that of the cork, due to the substance of which the mountain is made. Geologists are finding that the force of gravity, when it comes to affecting the weights of things as big as mountains, is not the unchanging force that the scales of men have credited it with being.

Some of these tricks of gravity are explained by Dr. Walter H. Bucher, professor of historical geology, graduate school of arts and science, University of Cincinnati. One is a fact long known, that the intensity of gravity varies from point to point on the earth's surface.

If the earth's crust comprised rock masses of a density everywhere equal, says Doctor Bucher, the forces of gravity would be expected to be equal at all points. The observed fact is that they are not equal. Whether density explains all the difference may be questioned.

For example, Doctor Bucher points out, high mountains bear evidence of once having been part of deep seas, where, generally, density of rock masses is greater than of land rocks.

Varying degrees of pressure that tend to force upward lighter rocks, and eruptive heat that melts and strains out the lighter elements and floats them highest, complicate the problem of describing exactly the origins of mountains.

Doctor Bucher says that deficiencies in gravity probably will prove one of the forces, and that these forces can be computed better after measurements are made of submarine topography and gravities. Then he hopes that the conditions that make oceans will be better understood as well as the phenomenon of mountains seeming to be lighter as their height rises.

Mouth Organ Trust Formed in Germany

Trossingen, Germany.—The new German mouth organ trust has completed its organization and is preparing to make vigorous efforts to control the world mouth organ market.

It has been formed by a fusion of the two leading mouth organ manufacturing firms in Germany; those of Mathias Hohner and Andreas Koch, which have in the course of the past year absorbed several smaller firms. The new organization will have virtually a world monopoly.

The house of Hohner is nearly one hundred years old. Mathias Hohner, the founder, was a watchmaker by trade and was the first to turn out mouth organs—an invention of a wood turner named Hohl—in large quantities. Today, of the total German output of 55,000,000 mouth organs per year, the Hohner firm makes about one-half.

Germany exports every year 50,000,000 mouth organs, to the value of about \$3,750,000. Her best customer is the United States, which takes 40 per cent of the whole German output. Great Britain takes 10 per cent and India 6 per cent. Argentina, Italy and Canada are also good buyers of mouth organs.

DECLINE IN AUTO DEATHS

Only 466 Reported by 78 Large Cities in Four Weeks

Washington, D. C.—Deaths due to automobile operation reported to the commerce department from the 78 largest cities in the United States for the four weeks ended February 23 numbered 466, a sharp drop from the total of 612 deaths reported from the same places for the previous four weeks. Over the corresponding period last year 564 deaths were reported.

The highest single record of automobile killings in a four-week period was the 771 reported for the four weeks ended December 29, 1928. The lowest since the tabulation began in 1925 was 356 deaths reported during the four weeks concluded March 27, 1926.

Big Plane Sets Record

Los Angeles, Cal.—Thirty-six persons were carried to an altitude of 10,000 feet in 21 minutes, establishing a new mark in aviation at Rogers' airport, Los Angeles. The Keystone tri-motored monoplane Patricia established this mark piloted by St. Clair Street, chief of the flight test division of the United States air service.

Oregon State News

The Dalles fire siren will be tested every noon to keep it in working order, according to a decision of the city council.

The city of Burns will hold a special election March 26 to vote on a \$20,000 bond issued for pavement of streets.

Building permits amounting to \$83,825 have been issued at McMinnville since the first of the year. This is a record.

An \$85,000 ice storage building is to be added to the Medford ice and storage plant, making it one of the largest on the coast.

The city council of Ashland has authorized the mayor to sign a contract with the Copco company for the purchase of power.

Never in 25 years has the Willamette river at Salem remained at so low a stage for so long a time during the winter months.

County roads in Umatilla county, with the exception of market roads, have been considerably damaged on account of high water.

Deep snow still covers McKenzie pass. The lava bed at the summit is buried under 10 feet in places and the drifts are 15 to 20 feet in depth.

Every county in the state has selected one or more delegates to the statewide dairy conference to be held at Corvallis, the last of this week.

The Oakland school board has re-engaged the present staff of teachers for the coming school year and raised their salaries ranging from \$5 to \$15.

For the first time since 1919, Tillamook county is practically out of debt, according to the county treasurer. Only February warrants are outstanding.

In line with the unit plan of prune marketing, a group of Freewater growers have formed a strictly grower-owned and controlled buying and selling unit.

Many Deschutes county dairymen are making plans for the segregation of cows in their herds that may be found infected with the abortion contagion.

The Clatsop county court has ruled that all telephone poles, electric light posts and mail boxes along county paved roads must be moved back outside the ditches.

People of Medford believe they have the best outlook for the proposed \$5,000,000 dirigible base that is to be established by the government on the Pacific coast.

Albert Hunter, former state senator from Union and Willamette counties, has been chosen executive secretary by the directors of the Union County chamber of commerce.

All the counties in Southern Oregon and Northern California will participate in a music festival in Ashland May 3 sponsored by the Southern Oregon normal school.

J. K. Weatherford of Albany, who is to retire as president of the Oregon State college board of regents, has been on the board 44 years and been president for 30 years.

Danish Bortfield, a turnip imported from Denmark and tested at the Astoria experimental station, will replace several of the rutabaga varieties grown in Clatsop county.

Mayor Hoover of Roseburg has signed an ordinance providing for the issuance of city bonds in the sum of \$25,000 for the purchase and improvement of a municipal airport.

Roseburg and vicinity experienced a heavy fall of snow one day last week. The snow was sufficiently heavy to blanket the hills and fields around the city, although it soon melted. The precipitation was welcomed by brocoli growers, as lack of moisture has greatly delayed the harvest.

There are now 736 prisoners in the Oregon state penitentiary, which establishes a high record. The latest arrival was a woman from Pendleton. As a result of the crowded conditions in the institution it was necessary to place beds in the barber shop, commissary and corridors.

The pear trees in the Rogue River valley are from two to three weeks later in budding this year than normal, in the opinion of leading orchardists, due to the January cold spell. As a result of the favorable weather of the last few weeks orchard work is further ahead than usual. Dormant spraying is well under way.

Linn county's school population is greater by nine children this year than last. Mrs. Edna Geer, county school superintendent, says the annual school census of the county just completed reveals. The present total of children of school age is 7526. Of this number 3797 are boys and 3729 are girls. Albany's gain was five children.

Indicative of the advanced season, a grass fire set out to clean up the premises of a residence in the west part of Harrisburg got out of control and called out the fire department.

Botulism poisoning, believed caused from eating home canned beets, claimed one life at The Dalles and resulted in three other persons being confined to the hospital in a serious condition.

Ashland children will again be treated to a grand Easter egg hunt with the Ashland legion post as hosts, according to a decision of the post. More than 2000 eggs will be colored and hidden in Lithia park for the hunt.

Conrad Frank received the contract to construct the new warehouse in Mil-ton-Freewater for the Freewater Tomato Growers' association. His bid was \$15,700. Work is to start immediately and the building is to be finished by June 1.

Truman Whorton of Freewater is being treated in a Walla Walla hospital for a fracture of the skull sustained while playing baseball at Umatilla. He was struck near one eye by a thrown ball and knocked unconscious.

The largest night horse show in the history of the Oregon state college was held Saturday night in the college armory, one of the main attractions being the appearance of some of the best horses from the Aaron Frank stables at Portland.

Enlargement of two grain elevators in Umatilla county to give that county the largest interior grain storage warehouse in the inland Empire was announced at Pendleton by a Portland contractor. The elevator at Athena will be enlarged to store 300,000 bushels of bulk grain and the Fulton elevator will have a total capacity of 150,000 bushels when the addition is completed. The work is to be completed in time to store the 1929 wheat crop.

The Bagley Canning company of Ashland will increase its production 25 per cent this season and, accordingly, is making a similar increase in acreage contracts. Growers are responding with larger acreage, according to Manager Koezer. County Commissioner G. Alford, one of the largest tomato growers in Jackson county, reports that he is able to make more than \$100 an acre from his tomatoes, and reported he will increase his plantings to eight acres this season.

The state of Oregon will send its fiscal agents in New York city April 1 a total of \$1,614,380.80 with which to pay maturing principal and interest on highway bonds, and \$597,066.25 to pay interest on veterans' state aid bonds. Of the highway bond payment, \$882,500 represents principal. A total of \$1,400,000, representing the semi-annual distribution of one-fourth of the motor vehicle fees, will be apportioned to the various state depositaries. Indicating necessity of making heavy withdrawals later in the month.

The Junction City cannery has completed the signing of vegetable acreage for the coming season's pack. One hundred thirty acres of beets, 21 of carrots and 37 of beans will be canned. This represents a material increase in acreage and it is thought that owing to last year being such an unfavorable year for vegetables that the pack will be almost doubled for the coming season. All pools for last year have been closed and while no exceptionally high prices were obtained all show a profit to the grower.

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Synopsis of the Annual Statement of THE FRANKLIN FIRE INSURANCE COMPANY

Of Philadelphia, in the State of Pennsylvania, on the thirty-first day of December, 1928, made to the Insurance Commissioner of the State of Oregon, pursuant to law:

Amount of capital stock paid up	\$1,000,000.00
Net premiums received during the year	\$1,068,589.89
Interest, dividends and rents received during the year	\$60,124.01
Income from other sources received during the year	\$56,023.94
Total income	\$1,184,737.84
Net losses paid during the year, including adjustment expenses	\$2,476,742.08
Dividends paid on capital stock during the year	\$306,000.00
Commissions and salaries paid during the year	\$1,773,341.21
Taxes, licenses and fees paid during the year	\$64,840.00
Amount of all other expenditures	\$23,749.53
Total expenditures	\$4,670,672.82
Value of real estate owned (market value)	\$167,120.53
Value of stocks and bonds owned (market value)	\$1,047,099.99
Cash in banks and on hand	\$1,116,811.90
Premiums in course of collection, written since September 30, 1928	\$64,783.25
Interest and rents due and accrued	\$116,616.00
Total admitted assets	\$13,944,433.69
Gross claims for losses unpaid	\$28,308.32
Amount of unearned premium on all outstanding risks	\$28,308.32
Due for commission and brokerage	\$28,308.32
All other liabilities	\$28,308.32
Total liabilities, exclusive of capital stock	\$28,308.32
Net surplus	\$13,916,125.37

Officials of the Crater Lake national park, who have just returned from the park report nine feet of snow at the rim of the lake with lesser depths at Anna Springs camp, the Klamath Falls and Medford entrances to the park.

The report of the Walla Walla Dairy Herd Improvement association for February shows 36 herds with 665 cows on test, of which 97 were dry. The average production, including dry cows, was 457 pounds of milk and 21.83 pounds of butterfat.

John H. Farrar, postmaster at Salem, announced that he had been authorized by the government to receive bids for the construction of a new addition to the Salem postoffice. The cost was estimated at \$20,000. The bids will be opened April 10.

Synopsis of the Annual Statement of the COMMERCIAL INSURANCE CO. OF NEW YORK, on the thirty-first day of December, 1928, made to the Insurance Commissioner of the State of Oregon, pursuant to law:

Amount of capital stock paid up	\$1,000,000.00
Net premiums received during the year	\$1,541,743.51
Interest, dividends and rents received during the year	\$163,420.31
Income from other sources received during the year	\$25,739.04
Total income	\$1,730,902.86
Net losses paid during the year, including adjustment expenses	\$755,845.26
Dividends paid on capital stock during the year	\$40,313.23
Commissions and salaries paid during the year	\$5,229.24
Taxes, licenses and fees paid during the year	\$19,843.06
Amount of all other expenditures	\$19,843.06
Total expenditures	\$1,241,230.85
Value of real estate owned (market value)	\$178,321.65
Value of stocks and bonds owned (market value)	\$2,069,211.00
Cash in banks and on hand	\$37,250.00
Premiums in course of collection, written since September 30, 1928	\$11,934.14
Interest and rents due and accrued	\$24,329.63
Run on P.O. losses	\$91.84
Interest and rents due and accrued	\$4,940.00
Total admitted assets	\$4,520,181.96
Gross claims for losses unpaid	\$28,308.32
Amount of unearned premium on all outstanding risks	\$28,308.32
Due for commission and brokerage	\$28,308.32
All other liabilities	\$28,308.32
Total liabilities, exclusive of capital stock	\$28,308.32
Net surplus	\$4,491,873.64

Synopsis of the Annual Statement of the NORWICH UNION INSURANCE COMPANY

Of New York, in the State of New York, on the thirty-first day of December, 1928, made to the Insurance Commissioner of the State of Oregon, pursuant to law:

Amount of capital stock paid up	\$500,000.00
Net premiums received during the year	\$1,157,102.40
Interest, dividends and rents received during the year	\$161,113.21
Income from other sources received during the year	\$7,971.80
Total income	\$1,326,187.41
Net losses paid during the year, including adjustment expenses	\$1,810,868.80
Dividends paid on capital stock during the year	\$1,000,000.00
Commissions and salaries paid during the year	\$7,577.17
Taxes, licenses and fees paid during the year	\$129,424.36
Amount of all other expenditures	\$13,131,471.44
Total expenditures	\$3,961,871.73
Value of real estate owned (market value)	\$3,506,451.46
Value of stocks and bonds owned (market value)	\$2,069,211.00
Cash in banks and on hand	\$37,250.00
Premiums in course of collection, written since September 30, 1928	\$11,934.14
Interest and rents due and accrued	\$24,329.63
Total admitted assets	\$4,644,126.45
Gross claims for losses unpaid	\$28,308.32
Amount of unearned premium on all outstanding risks	\$28,308.32
Due for commission and brokerage	\$28,308.32
All other liabilities	\$28,308.32
Total liabilities, exclusive of capital stock	\$28,308.32
Net surplus	\$4,615,818.13

Synopsis of the Annual Statement of the SHINGO FALLS INSURANCE CO. OF OREGON, in the State of Oregon, on the thirty-first day of December, 1928, made to the Insurance Commissioner of the State of Oregon, pursuant to law:

Amount of capital stock paid up	\$500,000.00
Net premiums received during the year	\$1,068,589.89
Interest, dividends and rents received during the year	\$60,124.01
Income from other sources received during the year	\$56,023.94
Total income	\$1,184,737.84
Net losses paid during the year, including adjustment expenses	\$2,476,742.08
Dividends paid on capital stock during the year	\$306,000.00
Commissions and salaries paid during the year	\$1,773,341.21
Taxes, licenses and fees paid during the year	\$64,840.00
Amount of all other expenditures	\$23,749.53
Total expenditures	\$4,670,672.82
Value of real estate owned (market value)	\$167,120.53
Value of stocks and bonds owned (market value)	\$1,047,099.99
Cash in banks and on hand	\$1,116,811.90
Premiums in course of collection, written since September 30, 1928	\$64,783.25
Interest and rents due and accrued	\$116,616.00
Total admitted assets	\$13,944,433.69
Gross claims for losses unpaid	\$28,308.32
Amount of unearned premium on all outstanding risks	\$28,308.32
Due for commission and brokerage	\$28,308.32
All other liabilities	\$28,308.32
Total liabilities, exclusive of capital stock	\$28,308.32
Net surplus	\$13,916,125.37

A day and night guard has been established over the fish egg station of the state game and fish commission on Bear Creek, near Jackson county fair grounds, to prevent theft of steel heads from the traps. Vandals have ripped off locks and boards of the traps to obtain fish.

Fire losses in Oregon, exclusive of Portland, for the month of February, aggregated \$313,219, according to a report of the fire marshal prepared recently. There were 115 fires reported, of which 24 caught from defective flues. The most disastrous fire was in Salem, where the old state training school for boys was destroyed with a loss of \$51,000.

Synopsis of annual statement of the CALIFORNIA INSURANCE COMPANY of San Francisco, in the State of California, on the thirty-first day of December, 1928, made to the Insurance Commissioner of the State of Oregon, pursuant to law:

Amount of capital stock paid up	\$1,000,000.00
Net premiums received during the year	\$1,428,291.90
Interest, dividends and rents received during the year	\$69,412.78
Income from other sources received during the year	\$17,616.61
Total income	\$1,515,321.29
Net losses paid during the year, including adjustment expenses	\$1,152,732.47
Dividends paid on capital stock during the year	\$100,000.00
Commissions and salaries paid during the year	\$30,317.64
Taxes, licenses and fees paid during the year	\$12,402.55
Amount of all other expenditures	\$29,372.69
Total expenditures	\$1,324,855.35
Value of real estate owned (market value)	\$250,565.10
Value of stocks and bonds owned (market value)	\$2,735,625.82
Cash in banks and on hand	\$72,709.00
Premiums in course of collection, written since September 30, 1928	\$15,821.18
Interest and rents due and accrued	\$17,144.05
All other assets	\$7,257.37
Total admitted assets	\$3,268,868.35
Gross claims for losses unpaid	\$240,083.72
Amount of unearned premium on all outstanding risks	\$240,083.72
Due for commission and brokerage	\$240,083.72
All other liabilities	\$240,083.72
Total liabilities, exclusive of capital stock	\$240,083.72
Net surplus	\$3,028,784.63

Synopsis of the Annual Statement of the HOME INSURANCE COMPANY of New York, in the State of New York, on the thirty-first day of December, 1928, made to the Insurance Commissioner of the State of Oregon, pursuant to law:

Amount of capital stock paid up	\$1,000,000.00
Net premiums received during the year	\$1,068,589.89
Interest, dividends and rents received during the year	\$60,124.01
Income from other sources received during the year	\$56,023.94
Total income	\$1,184,737.84
Net losses paid during the year, including adjustment expenses	\$2,476,742.08
Dividends paid on capital stock during the year	\$306,000.00
Commissions and salaries paid during the year	\$1,773,341.21
Taxes, licenses and fees paid during the year	\$64,840.00
Amount of all other expenditures	\$23,749.53
Total expenditures	\$4,670,672.82
Value of real estate owned (market value)	\$167,120.53
Value of stocks and bonds owned (market value)	\$1,047,099.99
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Interest and rents due and accrued	\$116,616.00
Total admitted assets	\$13,944,433.69
Gross claims for losses unpaid	\$28,308.32
Amount of unearned premium on all outstanding risks	\$28,308.32
Due for commission and brokerage	\$28,308.32
All other liabilities	\$28,308.32
Total liabilities, exclusive of capital stock	\$28,308.32
Net surplus	\$13,916,125.37

Synopsis of the Annual Statement of the SHINGO FALLS INSURANCE CO. OF OREGON, in the State of Oregon, on the thirty-first day of December, 1928, made to the Insurance Commissioner of the State of Oregon, pursuant to law:

Amount of capital stock paid up	\$500,000.00
Net premiums received during the year	\$1,068,589.89
Interest, dividends and rents received during the year	\$60,124.01
Income from other sources received during the year	\$56,023.94
Total income	\$1,184,737.84
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