RAINMAKING IS HIS PROFESSION

C. M. Hatfield, Who Has Graduated From Amateur Class, in Portland.

SAYS SYSTEM CANNOT FAIL

California Scientist Now Takes Contracts and Guarantees Results. Tells of Recent Successes

in Eastern Oregon.

Rain-making as a profession has not fore Charles M. Hatfield, who arrived in Portland yesterday, is a person to whose little interest attaches Mr. Hatfield is known as the "Rainmaker." Others have experimented along the same line, but so far as is known, Mr. Hatfield is the only man in the United States who is following this as his lifework, and the success he is said to have met with has

success he is said to have met with has attracted the attention of scientists in all parts of the country.

Mr. Hatfield has just returned from Eastern Oregon, where he has been conducting experiments during the past two months. The tests were made at Gordon's Ridge, three miles northwest of Moro, the highest elevation in Sherman County. During June and July Mr. Hatfield sent a continuous series of electrical County. During June and July Mr. Hat-field sent a continuous series of electrical vibrations into space from two tall towers that contained his apparatus, and during that time not only Sherman County, but also Gilliam County, adjoin-ing, were favored with heavy rains. Whether this almost unprecedented rainfall was a direct consequence of the experiments there is no way of telling, but that the residents of Eastern Oregon believe it was is indicated by the fact believe it was is indicated by the fact that they have engaged Mr. Hatfield to return next year and continue his good

Gave Them Full Measure.

The contract of Mr. Hatfield with the with the understanding that the average rainfall for the period covered was 2.5 inches, and on this basis promised the farmers that he would give them six inches of rain. When he arrived at Moro, however, he found that the average precipitation for these two months was only .62 of an inch. Therefore he told the farmers that he would have to with the contraction.

only 62 of an inch. Therefore he told the farmers that he would have to withdraw from his contract. They told him to go shead and do the best he could. There was 2.2 inches of rain during the two months, or an increase of 250 per cent over the average.

Mr. Hatfield is a young man and has been carrying on his experiments during the past five years. There is nothing mysterious about his work, he says. It is merely a practical application of scientific principles, he contends, There are no weird incantations and he does not call the moisture from the sky by invoking any superhuman add. It is merely the use of artificial means to produce the

voking any superhuman aid. It is merely the use of artificial means to produce the natural conditions that will precipitate the moisture in the air, he says.

The "Rainmaker" is a resident of Los Angeles and his first experiments were conducted in California. He began in a small way, he says, by condensing the fogs, from which he produced rain. Afterwards he began working on a larger scale and carried on his tests in semi-arid regions. He has no way of putting moisture into the air, and he prefers to operate where the rainfall is very light for under those conditions the results of under those conditions the results of his work are obviously convincing.

First Tests in 1902.

"Mr. first tests were made in San Diego County, Cal., five years ago," said Mr. Hatfield. "I soon became convinced to my own satisfaction that I had discovered a way of causing rain, and I received many requests to visit arid regions to carry on my experi-ments. My first real businesslike contract was with the city of Los Angeles three years ago. There had been a severe drouth and I contracted to give them 18 inches of rain between December 15 and May 1. When the time had expired there had been 19.52 inches. 'I was asked to remain at Los Angeles another year, but decided to go to Crow's Landing in the San Joaquin Valley. This is the most arid place in California, with the exception of the deserts, yet I gave them 12 inches of rain the first year and 15.21 the second. I am going there again this Winter and expect to do even better."

As to his system, Mr. Hatfield will say little, except that with chemicals and a dynamo he causes electrical waves in the atmosphere that result in He believes that the effect The rainfall in Sherman County this year was the second heaviest ever known there, and that in Gilliam was the heaviest." said Mr. Hatfield in discussing his work in Oregon. "I had only two towers erected, but next year am going to have four. I have selected another location on the bank of the Deschutes River, a short distance from where I was this year."

Not Profitable as Yet.

Mr. Hatfield says that he has never made any money out of his experi-ments and does not expect to so long as he conducts them in person. His contract for next season calls for the contract for next season calls for the production of two inches of rain between May 1 and July 10, for which he is to receive \$1000. If two and one-half inches fall he is to receive \$1500.

The ultimate object of Mr. Hatfield is to sell his invention to the Government. He says that he will try to repeat his success of this year in Eastern Oregon for four consecutive years, and he believes that will be a positive demonstration of its merits. In the meantime he stands ready, he says, to carry on the work under Government orders wherever the Federal authori-

ties may ask him to go.
"One third of the United States is semi-arid land that I believe will be made very productive through my system," said Mr. Hatfield. "Some day the Government will have chains of these towers built throughout these arid regions. In nearly all such places there is plenty of moisture in the atmosphere

waiting to be precipitated.
'I mean to demonstrate the value of my process beyond question, after that the Government is sure to take up the on an extensive scale.

OUT OF BEATEN TRACK.

There's where the real values are found in men's furnishings. Robinson & Co. will show you. 289 Wash. *



40c and 50c Embroideries 19c Yd. Corset Cover Embroideries 98c Yd.

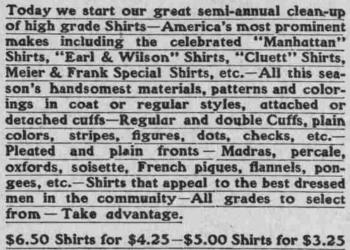
5000 yards of Swiss, nainsook and cambric Embroidery and Insertion for infants' and children's wear, waist trimming, etc.; 1 to 6 19c inches wide; regular values up to 50c the yard, on sale for. 1500 yards of Corset Cover Embroidery—Swiss and nainsook, 98c best patterns; values to \$2.00 a yard, on sale at, the yard. Another lot of Corset Cover Embroideries, values to \$1.25 yd., for. . 69¢ Another lot Corset Cover Embroideries, values to 65c yard, for .. 39¢

Just Received by Express Complete Line of Women's Khaki Suits, Best Styles, \$5.00 Suit—Cloak Dept. Second Floor Merchandise Purchased on Credit Today and Tomorrow Will Go On Your August Account

The Meier & Frank Store---"50 Years in Portland" Great "Anniversary Sale" Bargains in All Departments

August Sale of Men's Shirts Men's Summer Suits and Manhattans, Earl & Wilson, Cluett, Men' Outing Suits 1/2 Price

And Other Standard Makes at Clearance Sale Prices



\$4.00 Shirts for \$2.89—\$3.50 Shirts for \$2.29 \$3.00 Shirts for \$1.95—\$2.50 Shirts for \$1.59 \$2.00 Shirts for \$1.39—\$1.50 Shirts for \$1.05 Regular \$1.00 Shirts for 55c

Continuation of the great half price sale of men's high grade summer apparel-Outing Suits and Summer Suits, values ranging from \$10.00 to \$35.00 at a price that comes far from covering the cost of material alone-and many of the suits are of suitable weight and style for fall wear-This season's handsomest suits and materials from such well known makers as L. Adler Bros. & Co., Stein Block Co., Hart Schaffner & Marx, and others-Three-piece Summer Suits and twopiece Outing Suits-Every garment in the store being included-Two and three-button Sack Coats and double-breasted Sack Coats-Regular and stout sizes, fancy worsteds, fancy tweeds, fancy cheviots and cassimeres - Every garment well made and perfect fitting suits, superior to custom-made apparel, all sizes, large assortment-Take your pick at one-half regular prices-Men's clothing department, second floor - Economical men will take advantage of this offering



\$2.00 to \$3.00 Values \$1.48 Pair

Shoes and Oxfords All this season's very best models and leathers—including patent leathers in Blueher and button Shoes, vici kid Blueher, lace and button Shoes; women's Oxfords, in patent leather and gunmetal, also vici Oxfords, patent tips or kid tips; light or heavy-weight soles. All sizes and widths-footwear of standard style and quality, selling regularly at \$2.00, \$2.50 and \$3.00 per pair. Take your pick for Tuesday and Wednesday at this \$1.48 extraordinarily low price, the pair.

Ribbons 22c Yd---Hosiery 17c Pr.



5000 yards of all-silk Taffeta Ribbons, 4½ ins. wide; black, navy, pink, white, red, brown and light blue; splendid quality for dress trimming, neckwear, sashes, fanoy work, etc. Best regular 22c 45c quality, special, yard. 21d 3000 pairs of women's fine lisle and cotton Hosiery, allover lace and lace boot effect; values from 35c to 50c a pair; all 17c sizes; your choice, pair.. 17c

Clean-up on 18 and 45-inch dotted and figured Nets, in white, 69c cream and baby Irish; values up to \$1.75 a yard; special, yard.

White and cream Venise and Baby Irish Appliques and Medallions and Edges, 1 to 5 inches wide; beautiful styles, great values, as follows: 75c values for 19¢ \$1.50 values for 39¢ \$5.00 values for 69¢ A few Batiste Robes, white, blue, pink, ecru; values to \$25 for \$10.00 Closing out nainsook, cambric and batiste Matched Sets, 11/2 to 12 inches wide; beautiful styles; grand values, on sale at the following prices 30c values 12¢ 75c values 59¢ \$1.25 vals. 69¢ \$1.75 vals. \$1.19

Women's Suits ½ Price

Women's Tailored Suits, ranging in value from \$14 to \$48, on sale at half regular prices-500 garments to select from-This season's most attractive styles and materials in medium and heavy weights, suits that are desirable for immediate and early Fall wear-Plaids, stripes, checks and mixtures in cheviots, broadcloths, serges, worsteds and Tweeds-Tightfitting, semi-fitting, pony coats and vest effects; also three-quarter length coats-Skirts pleated and plain gored, all the best patterns and colorings, \$14 to \$48 vals. Half Price

\$7.50 to \$24 Walking Skirts Reduced 1/2 Price

1000 women's high grade Walking Skirts in light and medium grays, Tweeds, Panamas, checks, stripes and fancy mixtures, in pleated and kilt effects, strap materials -Values from \$7.50 Half Price trimmed-All new garments of the latest fashion and

100 women's three-quarter and full-length Coats in light and medium grays, fancy checks, stripes and mixtures, all new, up-to-date models, on sale for just Half Price

\$4 Long Kid Gloves \$2.85 \$3.50 Long Gloves \$2.29

versary Sale" of Perrins' real French Kid Gloves, in full 16-button length; every pair perfect and guaranteed to give thorough sat-



Perrins' " real French Kid Gloves, in 12-button elbow length; finest stock; the colors are black, brown, tans and grays, and in \$2.29 all sizes. Best regular \$3.50 values, on sale at, the pair \$2.29 The finest imported Suede Gloves in 16-button lengths; the shades are black, white, mode and tans; all sizes; every pair guaranteed; best regular \$3.50 values, on sale at this price, pair. \$2.59 Mail orders will be promptly and carefully filled—take advantage. Women's 12-button-length Mousquetaire Silk Gloves, of heavy quality; come in black and white only; double finger tips, all sizes. \$1.19

1000 pairs of 16-button-length fine quality Silk Gloves, in black, white and a broken line of colors; all sizes; the best values the \$1.43 season has offered in full-length Silk Gloves—at, the pair. omen's and misses' elbow length Silk Gloves; black and white; 73c double finger tips; while they last, on sale at, special, per pair. Women's 16-button-length Mousquetaire Silk Gloves; come \$1.59 in black and white only; 51/2 to 71/2; regular \$2 vals., at.\$1.59

\$1.50 Outing Flannel Gowns 87c

The shrewd buyer will anticipate her Winter needs. Sale extraordinary of 1000 high-grade Outing Flannel Nightgowns; all new Fall styles, in solid white and fancy stripes; yoke and round-neck styles, trimmed in braids and silk stitchings; all are well made and extra full 87c width, all sizes; best regular \$1.35 and \$1.50 values, at, each.

ROCKPILE GANG MAKES DES-PERATE EFFORT TO ESCAPE.

Blast Discharged Against Prison Wall Fails to Produce Breach. Explosive Smuggled In.

With the aid of dynamite several Butte rockpile made an unsuccessful at-Butte rockpile made an unsuccessful attempt Sunday night to force an opening through the concrete wall of their prison and escape. The only damage resulting to the structure from the explosion was the dislodging of a section of concrete plastering about a foot square on the outer wall. The dynamite had evidently been smuggled into the jail from the she said, "but the rockpills where the available is used by to be done over rockpile, where the explosive is used by the prisoners in mining rock for use on the county's roads.

James O. Fagan, who was shot about two months ago while attempting to es-cape from Kelly Butte, is suspected of tempted jail delivery. The officers are satisfied that Spaulding, Foster and Mayer were associated with Fagan and the quartette has been placed in the dungeon to subsist on bread and water

Will Store Grain in Fields.

diet for a few days.

"When we learned of the dynamiting, Commissioner Lightner went at once to Kelly Butte," said County Judge Webster yesterday, "but he found the situaster yesterday, "but he found the situation not as alarming as reported. Only a small quantity of the explosive had been used and at no time was there any danger of the men escaping. The dynamite was very probably secreted by the prisoners in a powdered state in their pockets and in that way was carried into the fell escentiary the wastefulness of former years and as a consequence the pockets and in that way was carried into the jail, escaping the watchfulness of the guards. In order to dislodge the concrete wails of which the jail is constructed, it would be necessary to use enough powder that its explosion would mean certain death to the men confined within the structure.

Would be raised, but gave as the cause that transportation was slower than in former years and as a consequence the warehouses were left crowded until the first of June, causing repliing, resacking and much damage from mice.

Survey Route to Tally

within the structure.

"The Board of County Commissioners, however, is considering the matter of making some additions to the present fail making some additions to the present jail building at the Butte. Contemplated changes will include reinforcing the concrete walls so as to make escape with or without dynamite absolutely impact.

termined by a referendum vote. Otherwise the jail would have been strength-

GRAND JURY FOR MAGILL

Session Is Begun-Wife Says She Married Too Soon.

CLINTON, Ill., July 29. - Although scores of persons have called at the County Jail to see Fred Magill and his wife since they were brought back from California, none of Magill's family has been to see nim. The special Multnomah County prisoners at the Kelly | grand jury which is to nivestigate the sudden death of Magill's first wife, Mrs. Pet Magill, convened this forenoon. The state has subpensed 74 witnesses

Mrs. Fay Graham Magill asserts she and Magill are innocent of the cause of the death of Mrs. Pet Magill. to be done over again, we would do the same."
"We have but one story," said Ma-

"My first wife killed herself and that is all there is to it. As soon as I decovered the sucdel of my wife I the leader in Sunday night's at- made the fact known. I asked Fay to

COLFAX, Wash., July 29.-(Special.)-Whitman County farmers are protesting against the advanced rates to be charged by grain warehouses. Many farmers will

FOR LOSS OF APPETITE.

FOR LOSS OF APPETITE.

Horsford's Acid Phosphate.

It nourishes, strengthens and imparts new life and vigor, An excellent general tenic, tody of these prisoners could be de-company.

City Swelters, But Heat Is Moderate

Excessive Humidity of Atmosphere Makes 80 Degrees Extremely Op-pressive — Wenther Observer Ex-plains Absence of Sunstroke.

DORTLAND sweltered yesterday, Portland thought it was the hottest day of the year, and expressed itself in terms more or less forcible to this effect. It was warm, beyond question, but the thermometer at the Weather Bureau only reached 20, while one day earlier month it climbed to 9i. It did not settle down to the work of being hot till after-noon. The morning was like any other morning in July, but toward the middle of the afternoon coats began to come off, handkerohiefs were brought out to wipe perspiring brows, and anxious eyes were turned to the thermometer. Fat men walked along the street with coats and hats off, thin men wore their coats, but carried their hats, and ordinary men just sweltered. With all the heat and just sweltered. With all the heat and discomfort no prostrations were reported, There is no such thing as sunstroke in this favored part of the United States. The explanation for the apparent extreme heat, according to Forecaster Beals, was the excessive humidity. The humidity was 40 per cent yesterday, which is unusually high for this part of the country. The more humidity there is in the air, the less perspiration is absorbed, and consequently there is a is in the air, the less perspiration is ab-sorbed, and consequently there is a greater degree of discomfort. Asked as to why hot weather in this part of the country does not seem to prostrate as in

country does not seem to prostrate as in the East, Forecaster Beals said:
"It is because of the cool nights here. In the East a hot day is followed by a hot night, and the next day is hot, followed in its turn by another hot night, and there is no let-up. Out here the nights are always cool, and no matter how hot the day may have been, there is a chance for a good night's sleep to recuperate." uperate."
Following is the story of the temperature yesterday, according to the Weather

Place. Eaker City and reserve the control of the co

Salt Lake San Francisco

NO GREAT HEAT FOR TEXAS Story of Torrid Wave and Killing of

Cattle a Fake. WACO, Tex., July 29 .- (Special.)-The dispatch sent from McGregor to Houston and repeated from Houston to the afternoon papers throughout the United States by the Press Association describing a heat wave in a restricted area in the Mo-Gregor precinct was a canard, pure and simple. The highest temperature of the year at most Central Texas points was reached yesterday, 101 in the shade being the maximum record reported.

At McGregor, a town 13 miles west of

Mild Weather in the East. CHICAGO, July 29 .- (Special.)-Chicago and New York City enjoyed identically the same delightful weather today. The

minimum was 68 degrees and the maxi-

mum was 70 in each city. In Chicago a refreshing breeze prevalled all of the day.

Breaks Blethen's Auto Record.

HOQUIAM, Wash, July 28.— (Special.)—H. B. Hewitt, in a 20 horsepower Franklin, broke the auto record be-tween Seattle and Hoquiam today, making the trip in six hours and 14 minutes. The former record was held by C. B. Blethen, of Seattle, who made the trip last week in six hours and 48

Lebanon Logging Camp Closes.

LEBANON, Or., July 28—(Special.)— The logging camp of W. H. Hobson in operation on Hamilton Creek for 18 months, closed today. The company has \$30,000 tied up in logs in the Santian which cannot be safely floated until next Spring.

289 Washington is the center of in-82 terest for men today.

BLAZE AT SIXTH AND STARK DOES \$4750 DAMAGE.

in Restaurant and Rooming-House. to Smoke and Water Do Damage.

Fire, breaking out in the kitchen of the Eastern Restaurant, at 9014 Sixth street shortly before 12 o'clock last night, threatened the destruction of a quarter block of frame buildings at the northeast corner of Sixth and Stark streets. From the restaurant the fire spread to the roof of the building, which was soon in flames, and two alarms were sent in:
one a telephone message by Louis
Directles and the other from hor 15 specific than the other from hor 15 specific than 15 sp one a telephone message by Louis street, dam Plymale, and the other from box 135, about \$200. which was turned in by Patrolman

Waco, located on a breezy plateau, the highest was 98 in the shade. No prostraof his lodgers who had retired, getting exception of the restaurant, are insured.

them to a place of safety. In the work of arousing the sleeping lodgers Church-ill was assisted by Patrolmen Edgerton, Johnson and Phillips and Deputy Shariff

scene the roof was blazing flercely and it looked like a bad fire to fight, but Chief Campbell and his fire-fighters soon had streams playing on the blaze and it was under control in short order.
From the burning building the fiames spread to the Manhattan Court roominghouse, in the three-story Coleman build-ing, at \$111/2 Stark street, but did only

slight damage, principally from smoke and water. The places of business damaged by the fire are as follows: Man Sing, dealer in ladies' furnishings and Oriental goods, 88 Sixth street, damaged about \$600 smoke and water. Canton Bazaar, 90 Sixth street. Wing Wah Lung Co., proprietors, damaged by smoke and water about \$1750. Portland Cutlery Company,

The White Corner saloon, owned by the which was turned in by Patrelman Edgerton from Fifth and Washington streets.

The building attacked by the flames is a flimsy two-story structure, the second story of which is occupied as a rooming house by C. N. Churchill. Churchill saved most of the furniture contained in his rooms and aroused ten this lodgers who had retired, setting the company on Stark street, and the cigar store of damage to the building will probably amount to \$1000.

All of the places, with the possible of his lodgers who had retired, setting the company of the restaurant, are insured.

