

GRAVITY SEPARATION DESCRIBED BY STEELE

President of Manufacturing Concern Describes Dry Concentration.

EDWIN G. STEELE, President Sutton, Steele and Steele Co., in Mining Journal, Phoenix, Ariz. The distinguishing feature of the Sutton, Steele and Steele dry concentrating tables over wet milling methods is the use of air instead of water as the separating medium. This difference, except when water is actually required to wash off adhering particles or is used as a solvent, gives this table every advantage over wet table concentration.

The Sutton, Steele & Steele dry table is manufactured in some twenty odd types and sizes. In the dry cleaning of coal it is designated as the American Pneumatic (Birtley in England), but for all mineral work the machine is specially arranged and modified for the work to be done and is designated as the Sutton, Steele & Steele dry concentrating table.

The normal range of this table, in size of particle handled, extends from three-inch lumps to minus 20 mesh dust. The average capacity on various classes of commodities ranges from 100 tons per hour to 500 pounds per hour, depending on the type and size of machine used and the commodity handled.

This concentrating table is now used in every state in the United States except Maine, and in 23 foreign countries. It is milling an annual tonnage estimated in excess of 32,000,000 tons. In recognition of the merit, the Franklin Institute of Philadelphia in 1931 awarded the John Price Wetherill medal to its inventors for "Discovery, Invention or Development of a Physical Science." The machine is rugged in construction and in no sense experimental as it has been developed by commercial applications and uses over a period of more than 30 years. As applied to the milling of ores and minerals the Sutton, Steele and Steele dry concentrating table is manufactured in three general types and in a number of sizes. These types, types V and D, will efficiently handle any concentrating ore and many ores not ordinarily classified as concentrating ores. The type V table is better adapted to the milling of single value ores for large capacity operation; that is for milling low-grade ores with a small per cent of the heavier mineral as compared with the lighter gangue.

Comparing the type D and V tables, the type D is recommended for the milling of ores where only one mineral concentrate is to be produced. This table will make concentrates, middlings and tailings only. The type V table is better adapted to the milling of more complex ores when more than one mineral concentrate must be cut. The range in size of particle handled on the type V table of standard construction, extends from eight mesh, maximum, to minus 200 mesh. The type D table has a range extending from dust to four mesh, on standard construction. The capacity of the type V table will average normally one ton per hour with a maximum size of particle of 30 mesh and this capacity increases rapidly as the size of particle increases to approximately six tons per hour at eight mesh. The type D table has a uniformly higher capacity throughout the range of the type V and will handle a larger size particle than the type V machine. Its capacity at eight mesh ranges from 8 to 10 tons per hour on average ores.

MAY 27 IS SET FOR SALE OF WAR POPPIES

Cottage Grove will observe "Poppy Day" this year on May 27, the Saturday before Memorial Day. It has been announced by Mrs. Max Bird, chairman of the poppy committee.

Memorial poppies, to be worn in honor of the World War dead, will be made available to everyone in the city by volunteer workers from the American Legion auxiliary. The flowers for the sale have been ordered from Portland veterans' hospital, where they have been made by disabled veterans.

Poppy day is the day for personal tribute to the men who lost their lives in the country's service. It is a day when all can share that they still remember and honor the sacrifices made by those who defended America during the great war crisis. The poppy is a patriotic symbol which means tribute to the dead and service for the living.

Thieves Get Plunder Overlook Money

The Earl Hill cigar store was robbed of cigars and several hundred dollars some time after 12:30 Tuesday morning. The job believed to have been done by two boys who were in the place the day before and who were not to be found the next morning. They were known to Chief of Police Pitcher and were driving an old Oakland car. The guns stolen were the property of manufacturers of the punchboards.

ROSEBURG IS WINNER OF DUAL TRACK MEET

Cottage Grove High Goes Down to Defeat First Time in Three Years.

Cottage Grove high school track team met severe defeat at the hands of Roseburg in a dual meet held here Saturday. Roseburg garnered 74 points and Cottage Grove 48. This was the first defeat the local lads have met in a dual meet during the season.

Bagley has been coach. The Cottage Grove team was weakened by the absence of Thies and Cox, who were out with injuries suffered in Pole vault.

Summary: Pole vault—Horn, C. G., first; Powers, C. G., second; R. tied for third, 12 feet, 9 inches. High jump—Palm, R., and DuFreane, R., tied for first; Johnson, C. G., and Leslie, R., tied for third. Height, 5 feet 3 inches.

100-yard dash—G. Palm, R., first; Short, R., second; R. Palm, R., third. Time, 16.5.

220-yard dash—Short, R., first; G. Palm, R., second; R. Palm, R., third. Time, 4:15.

440-yard dash—McGauthy, R., first; H. Mackin, C. G., second; Cox, C. G., third. Time, 1:15.

880-yard dash—Short, R., first; DuFreane, R., second; King, C. G., third. Time, 2:45.

120-yard hurdles—G. Palm, R., first; King, C. G., second; R. Palm, R., third. Time, 1:15.

OREGON FIRE LOSSES ARE \$8.12 PER PERSON

Gold Badges Are Presented to Girl and Boy 4-Hers of Latham.

Fire losses in Oregon amount to \$8.12 per person annually, or \$20.98 per family, Lester Davis, of the state fire marshal's office, told members of the chamber of commerce Tuesday noon, before presenting medals to Jessie Grubb and carry Latham of Latham for most outstanding fire prevention work of the past year among 4-H club members of Lane county.

Mr. Davis, who took the place of State fire marshal Averill, who expected to be here to make the presentation, said that fire losses on farms have increased 50 per cent during the depression and during the past year amounted to \$21.44 per person or \$51.91 per family.

Referring to Lane county, Mr. Davis said that total losses in 1932 were \$45,914, that losses on city dwellings were \$58,994, on rural dwellings \$61,117 and on farm properties \$69,432, he referred to the death of a Cottage Grove man while transferring gasoline from a truck tank.

Mr. Davis said that the cooperation of 4-H clubbers in fire prevention was secured in the hope of making the population of the state fire conscious and that about 20 per cent of the membership of the state had joined in the fire prevention program.

C. G. Has Third Of Banks Jury

The Cottage Grove territory is well represented on the jury that will decide the fate of Mr. and Mrs. L. L. Banks of Medford, being tried in Eugene on a murder charge. This section has four members, a third of the total. They are Will L. Townsend, Charles E. Ashby, Mrs. Madge H. Addison (Lorane) and Mrs. Pearl Wicks (Dorane).

Shade Burcham of Lorane route, George M. Hawley, Mrs. Mae Osterander, Mrs. C. E. Unghrey and W. E. Nason, of this city were examined for jurors but not accepted. Lee Young, Lorane, is an alternate.

Fruit Pollinating Well

The weather this spring has been the best for fruit pollinating in many years, C. E. Stewart, county horticultural inspector, said Saturday. Bees are numerous in most orchards and the warm dry weather that had prevailed during the preceding week or so allowed them to spread to all parts of the orchards, thereby facilitating pollination.

If showers do not continue, the outlook for a heavy setting of all fruits, with the possible exception of prunes, is excellent, the inspector said.

Nelson's Hens Seek Much Publicity

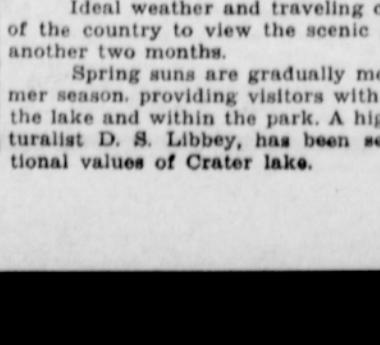
N. J. Nelson's flock of hens are not satisfied to get into the headlines with one of them dying because of a died on needles, as reported a week ago, so they are endeavoring to set a record for size of eggs produced. A product of the past week measured 7 1/2 inches by 6 1/2 inches. The hen hadn't made full preparations for eggs of these dimensions, so ran a trifle short of time for shell.

CRATER LAKE IN MANTLE OF SNOW



(Photo by National Park Service.)

Top (right)—Calm spring days endow placid waters with perfect reflection qualities, at times making it difficult to discern where water ends and shore begins.



(Photo by National Park Service.)

Family Arrive Home House Is Gone

When the Tom Nelson family arrived home from the show Friday night and started to turn into their home a half mile north of the city they found that the home was no longer there. It and its entire contents had been destroyed by fire and nothing remained but burning embers.

The origin of the fire was unknown. The house was a mass of flames before the fire department was called, and the department would have been helpless even if called earlier as there was no way of getting water onto the flames. The loss was partially covered by insurance.

WARRANTS USED FOR TAXES ARE PROBLEM

City Treasurer Doesn't Know What Disposition to Make of Them.

What the situation is as regards city warrants since the legislature enacted a law making warrants legal tender in the payment of taxes was the principal subject of discussion at the regular meeting of the city council.

The principal question at issue was what the city treasurer should do with warrants returned by the county treasurer as part of a tax payment. The ruling of City Attorney Lombard was that the law, in effect, gave warrants accepted for taxes priority over all other warrants, which might be in conflict with the law which says that warrants must be retired in the order of priority, although the law enacted by the legislature says that they shall be accepted for tax payments regardless of priority.

The First National bank owns about 90 per cent of outstanding city warrants and a solution suggested was that the bank buy the warrants that come in as tax payments, thereby putting money into the treasury for retirement of older warrants, which would result in retirement according to priority.

Blizzard Is Reported From Bohemia

Fred Bartels and Lester Powers, who came out this week from the Evening Star mine in the Bohemia district, where operations were continued throughout the winter, reported that the district had just had a four-day blizzard and that snow is yet 30 feet deep around their buildings. However, the trail has been in operation for the past month on ore gotten out during the winter. For a time during the winter the thermometer remained at about 12 below zero. The average temperature, however, was 12 to 25 degrees above.

Gasoline Prices Are Boosted.

Gasoline prices have taken a jump of a half cent here. The boost in Eugene was one cent. Prices here are 22 1/2 cents for ethyl, 19 1/2 cents for standard and 16 cents for third structure.

THOUSAND PERSONS IN MOTHERS' DAY PARADE

Church Arranges for Basket Dinner Following Forenoon Services.

Nearly a thousand persons have gathered or pledged to participate in a monster Mothers' day parade being sponsored by the Community club class for May 14. Fifteen groups are now officially committed to the plan and two others are yet to take action.

Officers of the Church of Christ have appointed a committee to arrange for an out-of-doors basket dinner, if weather is favorable and to provide coffee, cream and sugar. In case weather is inclement, the church paviors will be thrown open.

Members of the committee are Clyde Butler, Fred Beldier, Mr. and Mrs. William Watson, Mrs. Angie Powell and Mrs. Daisy Powell.

Old fellows and felloshaws are inviting members of the three Odd fellows groups of the county to participate in a picnic and fraternal program of music and speechmaking after dinner.

The general committee in charge of the parade will meet Sunday evening in the Christian church following church services, time to be given for others to arrive from other churches.

The Mothers' day parade will end at 9:40 in order that those participating may have time to reach Sunday school services of their choice. The program at the armory following the parade will end at 10:30 in order that those present may be able to reach church services of their choice.

More than 100 members of the Fraternal Order of Eagles and their auxiliary plan to attend services at the Methodist church immediately after the class service at the armory.

Baseball Club Nets \$15.90

The Cottage Grove baseball club netted \$15.90 at a smoker Friday evening. In the wrestling matches G. Swanson won from Mosby when Mosby was unable to return for a third round after a fall each. C. Swanson and G. Kerr wrestled a draw and G. Swanson and Harry Neet wrestled to a draw. In a three-round boxing match Sullivan won from Ward, Miller and Jones boxed three rounds, losing the first round to Redford in the second round on a technical knock-out.

Temperance Essays To Be Read

The prize temperance essays in a recent contest will be read and prizes awarded at a program in the Methodist church Tuesday evening, sponsored by the Y. C. T. U. The church orchestra will play several numbers, the high school girls' sextet will sing, the junior high glee club will sing and a playlet, "Home Sweet Home," by G. B. B. will be presented. No admission will be charged, but an offering will be taken to raise money for the prizes to be awarded.

Metcalfe Buys Porter Ranch

The Nancy Porter fruit ranch, containing 91 acres and located 1 1/2 miles southeast of the city, was sold this week to Harry K. Metcalfe of Eugene, a former resident of Cottage Grove. The Metcalfe family will take possession of the premises at once and will make substantial improvements in the way of new buildings, fences and putting the land into a high state of cultivation. The deal was handled by the Hall & Johnston Realty company.

Sampson To Be Speaker

Paul O. Sampson, nationally known dietitian, lecturer and radio broadcaster, will speak before the chamber of commerce at its noon luncheon May 16. He has spoken before civic and service clubs over the nation. He made such a hit when he addressed the Rotary club in Portland that those who heard him arranged an audience of 3,000 persons at a theater there. His subject will be, "Keeping Fit."

Lead Crystal Elects Officers

The Lead Crystal Mining company recently elected the following officers: George J. Jennings, president; Hugh R. Ross, vice president; Mrs. Lenora A. Jennings, secretary. The late Pat Jennings was president of the company. Officers were enthusiastic about prospects for the company. Charles Jennings, brother of George, has recently joined the organization.

Christian Endeavor Union Formed

A south Lane county Christian Endeavor union was started at the recent state convention held in Eugene and temporary officers were elected as follows: President, Marvin Shaw, Cottage Grove; secretary, Phyllis Johnson, Walker. A nominating committee was appointed. The union will consist of the societies of Cottage Grove, Walker and Creswell.

Earl B. Herender, or Lorane Has Awarded The "Purple Heart"

He was wounded in the Argonne forest in France October 15, 1918, while serving as corporal with the 32nd division. He was in the battles of Chateau Thierry, Soissons and Argonne Forest.

Lying Gets Ed, Jack Into Trouble

Ed Wiese and Jack Mauding didn't know it is an offense against the laws of the state of Oregon to lie about the size of fish one catches, and they came near getting into trouble a few days ago because of their lack of knowledge of the law.

The way the story runs, the two esteemed residents of Cottage Grove were visiting the county jail and were regaling Jailer Floyd Hunter, and any others who cared to listen, with a story of a recent catch they had made. When, upon demand, they were able to produce nothing better than a can of sardines, Jailer Hunter put them behind the bars and organized a kangaroo court that imposed a penalty of a carton of cigarettes or 30 years in the pen. The fine was promptly paid, and it has been noticeable to their friends that Ed and Jack have been unusually quiet, especially upon the subject of fish, ever since the incident related.

PORTLAND PASTOR TO ADDRESS GRADUATES

Doris Anlauf Is Valedictorian and Vincent Bricher Is Salutatorian.

Rev. Irwin F. Leake, First Christian church, Portland, will be the speaker for high school commencement exercises to be held May 26. He has been recommended as one of Portland's ablest speakers for such an occasion.

In addition to presentation of diplomas, various awards are to be made for scholastic proficiency, and the citizenship cup, keenly contested for by the four classes, will be awarded. Doris Anlauf is valedictorian and Vincent Bricher salutatorian.

The class night program will be given Wednesday, May 24, and will include class history, class songs, class play, class poem and class prophecy.

The baccalaureate address will be given Sunday evening, May 21, by Rev. I. G. Shaw of the Christian church.

The class play, "Seven Keys to Baldpate," will be presented May 10 and the junior-senior banquet will be held May 19.

There are 39 in the graduating class, as follows: Doris Anlauf, Wilard Arne, Dorothy Baldwin, Dorothy Bales, Mabel Blackmore, Ralph Boslaugh, Raymond Bogen, Roger Braswell, Vincent Bricher, May Chapman, Lucie Chapman, Lawrence Clark, William Conn, Marie Cooley, Clair Eastman, Anita Haldean, Mae Hawley, Augusta Heck, Elizabeth Hemenway, Thelma Hodgson, Orvil Hodgson, Edgar Hunt, Roberta Holmes, Tom Howard, Forrest Lemley, Thelma Matson, Edna Nelson, Odessa Newcomb, Harold Plank, Lester Powers, Lloyd Pleasard, Paul Sanders, Maxine Sheets, Clyde Smith, Warren Smith, James Vaabinder, Dalton Ward, June Wheeler and Lawrence Wiese.

The graduating class is the smallest in three years. There were 65 last year.

COTTAGE GROVE WINS FROM BANDON 48-21

Coast Sports, With Many Players Fill Out Team for Opponents.

Cottage Grove overwhelmed Bandon in the first of the season's home and home golf tournaments with outside clubs played here Sunday. The score was 48 to 21. Bandon brought 24 players and as Cottage Grove had provided only 18 the sportsmanlike divot diggers from the coast put in three of their men to play for Cottage Grove.

Zimmerly was medalist for Cottage Grove and Atwood for Bandon.

The medal scores and points won, with visiting players named first:

Bandon C. G.	
Roselle (x)	0
Zimmerly (x)	0
Atwood 90	1/4
Morelock 86	2 1/4
Felsheim 90	0
Lemley 85	0
Gallier (x)	0
Wells (x)	0
Brown (x)	2
Hill (x)	1
Young 88	2 1/4
Ragan 95	1/4
Rice 96	0
Trask 89	0
Clinton 96	2
Daugherty 98	1
Hankin 93	3
Chambers 95	0
Presley 91	1
Smith 90	0
Jenkins 100	0
Nelson 83	3
Bryant 98	1 1/4
Spray 97	1 1/4
Johnston 89	1/4
Swartz 87	2 1/4
Whitsett 93	0
Bede 90	3
Bennett 96	1
Ward 91	2
Howe (x)	0
Coiler (x)	0
Treadgold 102	1/4
Mills 99	2 1/4
Leslie 106	1/4
Linn (B)	2 1/4
Horlocker (x)	0
Bagley (x)	0
Costa (x)	0
Swanson (x)	0
Schroeder (x)	3
Barnes (x) (B)	0
Diment (x)	3
Mack (x) (B)	0
Davis 105	0
Mendenhall 100	3
	21 48

(x) Play not completed. (B) Bandon player playing for C. G.

SALLEE SAYS SCOUTS WERE NOT OVERLOOKED

(Eugene Register-Guard.) The Cottage Grove Sentinel in its last edition lodged a complaint that scouts of that city had been slighted in the court of honor following the annual boy scout circuit at McArthur court April 22, declaring that awards had not been given to the Grove list of scouts meriting them.

In replying to this statement, H. B. Sallee, scout executive, Monday said the list of awards, prepared by the scoutmaster of the Grove troop 18, had not reached local scout headquarters till the Monday following the circuit and therefore the court was unable to hand out the awards.

The Grove paper also charged that the promise to mail awards to the scouts had not been kept, but Chief Sallee said they had been mailed out the latter part of last week.

Declaring he wished to correct any impression that the Grove scouts had received a "raw deal" at the court of honor, Fred Bosley, scoutmaster of the troop, wrote a letter to scout executive Sallee, saying he was "sorry the article appeared in the paper" and that had he known of it he would have presented the correct details of the matter.

The Sentinel merely reported what those who attended the circuit had to say, and other facts in relation to the circuit and therefore the letter, according to Mr. Bosley himself, is not susceptible to the interpretation given it by the Register-Guard.

Grade Schools of City Observe Patrons' Night

That interest is keen in the work of the schools was illustrated by the large number who attended patrons' night of the grade schools Wednesday. Following visits to the several rooms of the central grade building, visitors crowded the high school auditorium, where the following program was given in an unusually proficient manner for children of the age of those who participated.

Orchestra number, pupils of the central school; minuet, second and third grades; "Nine Little Goblins," first grade; flag drill, second and third grades; "Mother Earth's Bonnet," fourth grades; two songs, "Blue Danube" and "Cradle Song," sixth grade girls; "Arbor Day Fantasy," fifth grade; "Safety First," puppet show; harmonica orchestra numbers, sixth grade boys; health play, "Listening In," sixth grade; "America," orchestra with harmonica orchestra.

Admission receipts from the program and sale of candy were sufficient to cover a balance of \$35 due on a piano being paid for by the grades.

Senior Class Play To Be Given Wednesday

The senior class play, "Seven Keys to Baldpate," will be presented Wednesday evening. The cast of characters is as follows: Elijah Quimby (cartetaker of Baldpate Inn), Tom Howard; Mrs. Quimby, Augusta Heck; William Hallowell Magee (author), Vincent Bricher; John Bland, Lloyd Pleasard; Mary Norton, Thelma Matson; Mrs. Rhodes, Dorothy Baldwin; Peters (thermist), James Vaabinder; Thelma, May Chestnut; Lou Max, Ralph Boslaugh; Jim Cargon, Forrest Lemley; Thomas Hayden, Wilard Arne; Jiggs Kennedy (detective), Harold Plank; owner of Baldpate Inn, Dalton Ward. Miss Joy Ingalls is director.