

HOW

MACHINE THAT PICKS OUT DIAMONDS CAME INTO USE.
—When the laborers descended into the diamond mines at Kimberley, they blast and pick out the hard diamondiferous earth and place it in wooden tubs that are hauled on stout wires to the surface, where the earth is spread over the ground to undergo, for several months, the softening influences of heat and cold. When it is soft enough it is shoveled into the washing machines, where the dirt is separated from the rough diamonds and other large mineral substances. The nature of minerals remaining is known as "concentrates."

It was formerly necessary to go carefully over these concentrates to pick out the garnets and many other foreign substances, until nothing remained but the rough diamonds. This was a slow and laborious operation, but it was an essential part of the mining industry until it was superseded not so many years ago.

Among the employees in the sorting room was a youth by the name of Kersten, who went quietly to work to find a way to separate the diamonds from other stones more quickly and more easily than could be done by the slow process of hand picking. He was not discouraged by his many failures to find that way.

One day by the merest chance the boy made the discovery he was seeking. A rough diamond and a garnet happened to be lying on a small board on the bench where he was working. He raised one end of the board. The garnet slipped off, but the diamond remained. He found that there was a coating of grease on the board that had retained the diamond, but not the garnet.

The boy procured a wider board, coated the side of it with grease, and dumped a few handfuls of concentrates on it. Then he found that, by holding the board in a slightly inclined position and vibrating it, all the concentrates except the diamonds moved to the lower end and fell off, while the diamonds remained in place.

Then the boy invented a machine by which his discovery might be utilized. Considerable study was required to perfect it, but at last the machine was completed, and the diamond magnets were invited to witness the new method of separating diamonds from the rest of the concentrates.

The invention was an entire success. A more simple and complete device for saving time, labor, and loss of diamonds could not be imagined. The entire work is now done by machinery; hand-picking has been wholly superseded, and both the inventor and the mine owners have profited handsomely by the labor-saving machine.—*Christian Science World.*

Local News

The Minnie Wilson house on South College street has been rented to Rev. Charles Rutherford, who is attending the Normal.

Mrs. L. W. Waller is spending a week with her folks near Eugene.

Mr. H. Dodds and son and daughter arrived from Kansas last week and are now numbered among the residents of the city.

Philip Swetner recently sold his Lockiamute farm to McBeth brothers, nephews of C. McBeth of Independence, and thinks some of locating in out midst. For a time he lived here when he owned the residence now occupied by F. O'Rourke.

Mr. and Mrs. Quarter and son Albert of Independence called on Mrs. Sadie Singleton Sunday afternoon.

Paul Tacheron has sold his thirty acre farm north of town to Joseph Russell of Oklahoma and is looking for a location in town. The farm sold for \$200 per acre. It is equipped with residence and farm buildings.

Mrs. Laura Boyd of Newberg has been visiting her mother, Mrs. J. P. Dewitt and her sister, Mrs. Singleton the past week.

Mrs. Sadie Singleton attended the meeting of W. O. W. Tuesday evening by special invitation. Refreshments were served and a general good time was enjoyed by all present.

Messrs. Young and Bryan, contractor and architect of the new bank building were here Monday looking over progress in the work and checking up.

Last Sunday was a reunion day for the Force family, all of the children being for the time under the parental roof. Present were Mr. and Mrs. J. F. Miller of South Bend, Wash., and Mr. and Mrs. Milton Force of Portland who came in their cars for the occasion; Mr. and Mrs. P. J. Mulkey who are teaching at Arlington and Miss Mildred who is teaching in Portland and who are spending their vacations at home, and Ernest Force to complete the group.

Ranie Burkhead came up from Portland to spend the holiday week end with his mother and other Monmouth relatives.

Miss Bessie Gregory of Seattle, Washington was a week end guest of Mr. and Mrs. M. M. Harvey and family.

Mr. and Mrs. R. A. Titus of Arlie called on Mrs. Dewitt and Mrs. Singleton Sunday.

Pacific City Invites You

The Pacific City beach is inviting Northwestern Oregon for a three days celebration of the Fourth. Starting with Sunday and continuing until Monday night there will be a continuous program consisting of aeroplane feats, high and fancy diving and open air solos by an Orpheum circuit headliner. Senator Vinton of McMinnville will speak on the Fourth. There will be an athletic program, water sports, land sports and a free radio demonstration. A ball game and dance each day.

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The cost of living has been soaring again during the past six months, according to figures compiled by R. B. Goodin, secretary of the state board of control, from bids entered for supplying the needs of the various state institutions. Hams, which the state bought at \$20 per 100 pounds six months ago are now demanding \$21.76, while bacon has advanced from \$18 per 100 pounds to \$21.65. Sugar has advanced from \$1.37 per 100 pounds to \$4.65. Beef is a little cheaper, showing a decline from \$8.60 to \$7.49 per 100 pounds, while hard wheat flour is 3 cents per barrel higher and soft wheat flour is off 15 cents per barrel.

It is reported that Elmer Rake has bought the old livery barn on Knox street and will tear it down and transport it to the Clark farm on Monmouth Heights.

The Home Like Society enjoyed a pleasant afternoon at the home of Mrs. G. W. Bann on Tuesday of this week. Twenty two members and guests were present. Delicious refreshments were served by Mrs. Conklin and Mrs. Cox.

Plans were made for a picnic at Rickreall on next Saturday, July 1. All members and friends of the society and church are invited to bring a basket dinner and spend the day together.

Arrangements were also made to give a cooked food sale Saturday, July 8, at Mulkey's store.

As a number of our members wish to attend the Grange picnic on next Tuesday, there will be no meeting of the society until July 11, when they will meet at the home of Mrs. Cox.

The car which Undertaker Keeney of Independence added to his equipment last week was a Dodge and not a Ford as stated in the Herald. Mr. Keeney is much pleased with his new bus.

Postal Examination

The U. S. Civil Service Commission announces that a competitive examination for postmaster of Monmouth will be held in Dallas, July 15. This examination is held under the president's order of May 10, 1921 and not under civil service rules. Applicants may receive at the post office or at the U. S. Civil Service Commission, Washington, D. C., forms on which applications must be filed.

Mr. and Mrs. C. A. Hammel and daughter Freda of Webb City, Missouri arrived Sunday for a visit with their daughter, Mrs. F. E. Chambers and family in this city. They came by Ford across the mountains from Missouri and registered 2200 miles enroute. Mr. and Mrs. Chambers met them at McInnomah Falls on the Columbia highway and accompanied them to Monmouth.

D. M. Hampton who returned from attendance at the G. A. R. state encampment at Newport reports an unusually large number of veterans present. The attractions of the seashore at this season of the year brought out about five hundred old soldiers. Present from Monmouth beside Mr. Hampton were L. H. Treat and Jack Hickman and from Independence, Comrades Bascoe, Pryor and Bingman.

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