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W. H. BYARS, Editor

GERMAN foot soldiers are deriving benefit from discarding stockings and keeping the feet well oiled.

THE channel of the Congo can be traced for a hundred miles out to sea as a remarkable submarine valley having a depth of 1432 feet just at the river's mouth.

SALEM should increase 3000 this year. The population of Oregon will undoubtedly increase greatly and there is no reason why Salem should not receive a good share.

LEWIS CASS, who became Buchanan's secretary of state at 75, was the oldest man who ever entered a cabinet. Alexander Hamilton was the youngest of all cabinet officers.

MRS. HARRISON must have found the elixir of life in the White house. A correspondent reports that she "is looking unusually well, and fully ten years younger than she did one week ago."

A LATE plan for treating sewage with electricity has brought out the fact that such schemes have been quite numerous—one patent, involving eight electrical methods, dating back to 1858.

J. S. CLARKSON, the new assistant postmaster general, is the editor of the DeMoines, Iowa, State Register, but we do not suppose that he will take advantage of his position to ascertain the mail circulation of his hated rivals.

CHARLES FRANCIS ADAMS, president of the Union Pacific, will contribute a striking railroad article in the April Scribner, on the "Prevention of Strikes." He proposes a plan which, if carried out, would almost be a revolution in the relation of railroad employers and employees.

THE Rev. Samuel Wakefield, of West Newton, Pennsylvania, is probably the oldest Methodist preacher in active service in the United States. He is past 90, and in excellent health. He is the author of "Wakefield's Theology," a standard work, and he built the first pipe organ used west of the Alleghenies.

THE speed of the Greenland whale is nine tenths an hour, and that of the great fin whale is probably twelve miles. One of the latter animals was stranded on a British coast some years ago, and was found to have a length of eighty feet, a weight of seventy-four tons and a width of tail of eighteen to twenty feet. With these data, the builder of the Anchor line steamships calculated that, in order to attain a speed of twelve miles an hour this whale must have exercised a propelling force of 145 horse power.

THE vibrations of even severe earthquakes are very short. Brick and stone chimneys will be shattered by one of a quarter of an inch. As a rule, the disturbance originates from one and a half to seven miles below the surface, and very rarely at greater depths. Earthquakes occur on steeply sloping shores, and are most frequent in winter, when the changes in barometric pressure are greatest. The moon, also, probably has some influence. The weight of the air and of the tides acts upon the situation as a trigger upon a gun. The internal heat of the earth is doubtless the moving cause, and the gradual uneven shrinkage of the surface its manifestation.

THE ASTEROIDS.

An interesting problem to astronomer and philosopher is the remarkable ring of minor planets traveling in orbits between those of Mars and Jupiter—interesting still whether considered as an exploded world or in the modern light of a nebulous ring from the sun broken up in condensing. Over 270 of these little objects have been discovered, and the encouraging assurance is given that the number unknown is practically unlimited. It is shown that Jupiter is probably tending to reduce the number by increasing the eccentricities of their orbits until their perihelion distances fall within the sun itself. Several of our periodic comets may have been asteroids, drawn from their orbits in this way.

THE NEW WARFARE.

Results obtained at Washington with a new system of throwing high explosives from ordinary guns have been sustained in some important tests made by the Turkish Government. A target weighing over twenty tons, and consisting of twelve one-inch thick steel plates welded together and backed with a massive oak frame, was set up, and was completely demolished by the explosion of a single "nitro-gelatin" shell from a six-inch rifled howitzer 650 feet distant. Ten shells were discharged without the slightest injury to the gun. Each shell was charged with ten pounds of a mixture of ninety-four per cent. of nitro-glycerine and six per cent. of a compound of collodion, gun-cotton, camphor and ether. This explosive is said to be much less liable to accidents and much more powerful than ordinary dynamite, whose nitro-glycerine is only about seventy-five per cent.

PETROLEUM FORMATION.

The theory is held that petroleum is not of animal or vegetable origin, as is generally supposed, but is produced by water which penetrates the earth's crust and comes in contact with glowing carbides of metals, especially of iron. The water is decomposed into its constituent gases, the oxygen uniting with the iron, while the hydrogen takes up the carbon, and ascends to a higher region, where part of it is condensed into mineral oil, and part remains as natural gas, to escape wherever and whenever it can find an outlet. If this assumption is correct, and a sufficient store of metallic carbides is contained in the earth's interior, petroleum may continue to be formed almost indefinitely, and yield a supply of fuel long after the coal has become exhausted. Prof. Mendeleef supports this view by producing artificial petroleum in a manner similar to that by which he believes the natural product is made.

Due to this changeable climate, it is difficult to preserve a fair complexion and our fair sisters are annoyed by roughness of the skin, chaps, red nose, etc. Dr. Bates' Specific is applied to the face and hands night and morning, a clear and healthy complexion can be preserved.

Sold by D. W. Matthews & Co.

Beginning with next Monday the EVENING JOURNAL will be enlarged to a seven-column paper. This will be a great improvement in the paper, as it will give us equal to one full page more matter than we at present can run. Also the WEEKLY JOURNAL with the issue of next week will be enlarged and otherwise improved. Now is the time to subscribe for these editions.

We are forging ahead rapidly and to-day this paper goes to very many more households than it ever did before. The JOURNAL is on the top wave of success and is still booming. We need your subscriptions, as we wish to place the best paper in the county in your homes. Consider this, you who receive a copy and are not subscribers. Merchants can do no better than to place their ads. with us. Let her boom!

Persons wishing to improve their memories or strengthen their power of attention should send to Prof. Louette, 227 Fifth Ave., N. Y. for his prospectus post free, as advertised in another column. No 8, side

Length of Soldiers Steps.

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Leave Albany 1:00 P.M.
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This company reserves the right to change sailing dates without notice.

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TIME TABLE—RIVER DIVISION.

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8:44 p. m. Lv. Salem Ar. 7:30 a. m.	7:45 a. m. Ar. San Fran. Lv. 7:00 p. m.

LOCAL PASSENGER TRAIN—(DAILY EXCEPT SUNDAY).

8:30 a. m. Lv. Portland Ar. 8:45 p. m.	11:10 a. m. Lv. Salem Ar. 12:22 p. m.
2:40 p. m. Ar. Eugene Lv. 8:00 a. m.	

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West Side Division, Between Portland and Corvallis:

DAILY—(EXCEPT SUNDAY).

7:30 a. m. Lv. Portland Ar. 6:20 p. m.	12:25 p. m. Ar. Corvallis Lv. 1:30 p. m.
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EXPRESS TRAIN—(DAILY EXCEPT SUNDAY).

4:30 p. m. Lv. Portland Ar. 8:00 a. m.	8:00 p. m. Ar. McMinnville Lv. 5:45 a. m.
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