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THE MAGNET CASH STORE

Clements & Wilson. Court and Cottonwood



SATURDAY, DECEMBER 29, 1900.

DAILY, WEEKLY AND SEMI-WEEKLY

East Oregonian Publishing Company, PENDLETON, OREGON.

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Thousands are looking to the coming of the new year and the new century with interest. The last few days of the closing year of the greatest century of existence is certain to be fruitful in recollections and resolves. Visions will be indulged in more than usual. Hope will rise to higher levels than is customary at the beginning of the new year and promises will be made which will never be kept.

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One of these was based on the modern doctrine of gases which very materially differs from that held at the time of Laplace. It is now maintained that the molecules of gases are flying to and fro with great velocity striking upon each other and rebounding, and as the attraction of celestial bodies can only control molecules moving away from them to a certain limited extent, it follows that if the velocities of the molecules exceed the limit of control they must fly away and become lost. It follows that the smaller the mass of the body, the more limited its power of control; hence the question was raised as to whether a white-hot earth could control the atmosphere and water, in the form of steam, by which it was surrounded, as the higher the temperature, the greater would be the velocity of the gas molecules.

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By comparing the theoretical momentum of Laplace's great spheroid of gas with the sum total of momentum in the present system a great discrepancy was found. The same is true regarding the rings. It was also found that the momentum of the planets was excessively large in proportion to their masses. Jupiter contains less than one-thousandth of the mass of the spheroid from which it was supposed to have been separated, this spheroid, of course, including Jupiter, all the inner planets and the sun. The separation of a ring from the outer part of the spheroid, containing only one-

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THOS. FITZGERALD, ATTORNEY AT LAW. Office in Association Block.

N. BERKELEY, ATTORNEY AT LAW. Office in Association Block.

E. D. BOYD, ATTORNEY AT LAW. 111 Court St.

JAMES A. FEE, LAW OFFICE IN JUDICIAL Building.

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DR. C. J. SMITH, OFFICE OVER PEN. Clinton Savings Bank. Telephone 2. Residence telephone 3.

H. S. GARFIELD, M. D. HOME PATH. Physician and Surgeon. Office in Judicial Building. Telephone: Office, 114 E. St.; Res. 1000, 2nd St.

DR. D. J. M'FAUL, ROOM 17, ASSOCIATION Block, 111. Residence, 1000, 2nd St.

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