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# A GREEN YOUNG BACHELOR.

Suggests a Set of False Teeth for His Chum's Baby.  
He was a bachelor, while the other man upon whom he was calling was a young married man, and the visitor felt very much like a fish out of water, says the Philadelphia Record.  
The year before they had been inseparable chums, with the same tastes, the same habits.  
Now everything was changed.  
The young bachelor seemed to be just as sociable and talkative as ever, but his old chum was ill at ease.  
He felt like making a bolt for the door, and with difficulty restrained himself.  
His nerves were at high tension, and he sat watching the door pathetically, expecting, like the felon awaiting the coming of his executioner.  
The door opened finally, and a woman wearing a white cap and apron entered with a very young baby in her arms.  
"Here he is," said the married one. "Here's my son and heir. Isn't he a beauty, Jack, eh?"  
Jack made some idiotic remark about the baby's sex.  
"Oh, yes," said the father. "Hadn't you heard? It's a boy, of course."  
"Certainly, I might have known!" Jack gasped. "It's got hair on its head."  
The father laughed, but Jack looked solemn.  
"Baby's got a tooth," said the father, proudly.  
"Only one?" queried the bachelor, and then he had a bright idea.  
"Of course, that needn't worry you," he said; "I should think you might get a false set pretty cheap. Such a small kid, y' know."  
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# ONE HUNDRED MILLION STARS.

How Astronomers Compute the Number in the Heavens.  
Let us see what richness of stellar distribution is implied by this number of 100,000,000 of blue stars, says the Gentleman's Magazine. It may be easily shown that the area of the whole sky in both hemispheres is 41,255 square degrees. This gives 2,424 stars to the square degree.  
The moon's apparent diameter being slightly over half a degree (31 deg. 5 min.), the area of its disk is about one-fifth of a square degree.  
The area of the whole star sphere is consequently about 300,000 times the area of the full moon. A total of 100,000,000 of stars gives therefore 500 stars to each space of sky in area to the full moon. This seems a large number, but stars scattered over as thickly as this would appear at a considerable distance apart when viewed with a telescope of a high power. As the area of the moon's disk contains about 750 square minutes of arc, there would not be an average of one star to each square minute. A pair of stars half a minute, or thirty seconds, apart would form a very wide double star, and with stars placed at even this distance the moon's disk would cover about 3,000, or six times the actual number visible in the largest telescope.  
Particulars are also given with regard to cooperating farming in England and Scotland in 1891 and 1892. Forty-seven societies have made returns, showing that a total of 4,990 acres was being farmed in 1892 as against 1214 in 1891. The capital employed in 1892 was \$450,000, an increase of \$29,000 over 1891, and the net loss sustained amounted to \$2,100, as compared with \$3,410 in 1891.  
The Only Chair Car Line  
To the east is the Union Pacific. Eastern cities are reached via this line with fewer changes of cars than via other lines—Rates always the lowest. Ticket to or from points in the United States, Canada, or Europe for sale by R. W. Baxter, Gen. Agt., 135 3rd St., Portland.

# SOMETHING NEW IN CHEMISTRY.

Beef Preserved and Left Pure by a Permutation of Ozone.  
A writer in a Minneapolis newspaper relates with great circumstantiality how a party of diners in a hotel were surprised by just a little incident to learn that the roast beef they had eaten was twenty-one days old, and had been lying exposed to the sun for that length of time. They were reassured when they were informed that the meat had been subjected to a permutation of ozone, and by this means "preserved as well as purified."  
The diners will probably learn before they gain the information from this column, says the New York Mail and Express, that they encountered something entirely new in chemical action, and if any one of them has the courage to try it he can very readily prove the assertion. Ozone is one of the principles of oxygen. Prof. Loew says it is one of the greatest oxidizers known, or, as he once expressed it, "a sublimation of that portion of our atmosphere which supports life, and at the same time helps burn us up." Dr. Julius Edmond Doetsch, who died about ten years ago, claimed to have been the inventor of an ozone-producing apparatus which would "age" any dead or living thing brought in contact with it. He took two gallons of raw spirits fresh from a still and by running a current of pure ozone through it caused the liquor to taste and smell precisely the same as the very same quality of liquor with an actual age of ten years. Dr. Doetsch believed that if living animals lived in an atmosphere of ozone they would become old men and women at the age of ten and twelve years. He proved that to treat animal meat with the pure gas would have the same effect on them as though they had been exposed to the atmosphere we now breathe for as many days as there were half minutes in the artificial process.  
Loew and Doetsch are authorities on chemistry. The western writer may be or he may not. At all events he evidently knows more about eating a dinner than he does about "ozone." He or one of his friends can try the effect of it by shutting himself up in a small room and breathing the pure gas for twenty minutes. If the Doetsch theory is correct, a little wrinkled old man, bald headed and decrepit, will come out to announce in piping treble that he has aged forty years in twenty minutes.

# TRADE UNIONS IN ENGLAND.

Over a Million Members in 590 Bodies—Their Income and Expenditures.  
One of the leading features of a recent issue of the Labor Gazette of London is a brief summary of the statistics of trade unions for the year 1892, given in the report of the chief labor correspondent, now in the press. The reports of 599 separate unions have been dealt with, 432 of which are registered and 177 not registered, while 105 have branches numbering in all 7,308, making up an aggregate of 1,337,367 members. The total income of these societies in 1892 was about \$8,900,000 and their expenditures about \$75,000 less. 298 societies, with a membership of 735,048, paid an employed benefit to the amount of nearly \$2,000,000; 308 societies, with 1,103,641 members, paid in dispute benefit \$2,300,000; 193 unions, with 585,389 members, paid in sick allowances over \$1,000,000, and 88 unions paid an accident benefit to disabled members \$99,000. For the purpose of comparing 1892 with the previous year only 103 unions are available, that being the number supplying returns for both years. The increase of membership since the 381 unions during 1892 was 32,161, or a little over 3 per cent. upon the membership of 1891. The total income of the 381 societies showed, however, an increase of 21.8 per cent. There was also a very considerable rise in expenditure, amounting, in fact, to nearly 44 per cent. upon the outlay of 1891. The chief share of this increase was due to heavy demand upon the unemployed and dispute benefits, which in 1892 absorbed \$1,900,000 more than in 1891.

—The capsicum plant, from which the different varieties of pepper are produced, is indigenous to the tropical regions of Europe, Asia, Africa and America. It grows wild almost as well as under cultivation in all these countries, and in each is used by the natives as a seasoning for food. Its extensive employment has suggested to medical theorists the thought that it must be considered as a natural tonic for the stomach in tropical countries.  
—Bleaching by peroxide of hydrogen has now become almost universal. This substance is simply water with an added atom of oxygen, which extra oxygen unites with and destroys the pigments of vegetable and animal substances without affecting the fibers in any way or leaving in them any foreign matter. It can be used with any material. Ivory, bone, human hair, wool, silk, jute, linen and cotton can all be bleached, and the wool on the sheep or the hair on the human head can be whitened without in the least affecting its growth or vigor.  
—Cow's milk is almost at the bottom of the list of the food substances that contain iron. As it is so important to infant life, Prof. Binns has been led to experiment on animals to see in what proportion iron is present in the system at different ages. He finds that the younger animals contain much more iron than adults; in a guinea pig or rabbit one hour old, for instance, there is more than four-times as much iron as in the same animals two and a half months old. He infers from this that a long-continued exclusive milk diet is not good for babies, but should be supplemented by wheat preparations.

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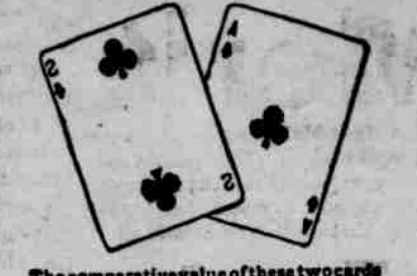
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