

# POPULAR SCIENCE

A pneumatic fan for cooling passengers and sleeping cars has been designed by the superintendent of one of the Western roads. The compressed air for its operation is taken from the air-brake system. It is asserted the amount of air required is so small as to be hardly missed and not sufficient to interfere with braking operations. It is designed for use on trains not equipped with storage batteries of dynamo for electric supply.

The increase in the number of high buildings has caused a largely increased use of ribbed glass in windows, and in the production of improved varieties of such glass. The illumination of dark rooms, shut in by high walls, is materially increased by the reflection from the many facets of the glass of light that would otherwise pass the windows without penetrating the interior. This "diffusing glass" has introduced a new era in interior lighting.

Machine made lace of late is receiving considerable attention in this country, and already four large concerns are engaged in its manufacture. Skilled operatives, who in the majority of cases foreigners, are much in demand, and the supply is said to be far from adequate. Nets and some of the heavier laces turned out are often remarkably good, while most effective galleons and embroidered mousselines of American make are to be found in the large stores. Those most familiar with the business consider this a growing industry.

A cheap and rapid method for concentrating the enormous quantities of blood collecting in abattoirs is described by its inventor in the Technische Rundschau. The blood is injected in a finely pulverized state into an oven-shaped chamber, open at the top, and brought into contact with a current of hot air ascending from below. All the water is evaporated in this manner, and the blood powder is carried to the receiving chamber. According to the inventor, the powder thus obtained is tasteless and contains 74.8 per cent. of digestible albumen.

Incandescent lamp filaments made according to the invention of Mr. C. Keilner, of Vienna, are said to possess an extraordinary efficiency. The filament may be made by two methods. In the first the thread is made under pressure from a powerful infusible metal such as thorium, which is then oxidized superficially by making it the anode in an oxidizing electrolyte bath. The second method is to form the threads from metallic oxides which have the property of becoming incandescent at comparatively low temperatures, and using as a cementing material the least possible amount of cellulose dissolved in chloride of zinc.

Briefly told the story of the "Black Hole" of Calcutta is as follows: One hundred and forty-six persons were thrown into a room the size of an eighteen-foot cube at 8 o'clock in the evening. This room contained a door and two small windows. The latter were open. A small calculation will show that each of these 146 had in this room about thirty-eight cubic feet of air space, and yet by 11.15 p. m. all were dead but twenty-six, most of whom afterwards succumbed to fever. The only causes operating to affect this in the case of the "Black Hole" was carbon dioxide and the exhaustion of the oxygen of the air. There were, however, two small windows to effect ventilation.

**The Hotel Beaten.**  
A hotel keeper in the Catskills put up a sign as an advertisement:  
"Fifty dollars will be paid to any man who can beat this hotel for \$2 a day."

Not long afterward a slick fellow arrived. He occupied a room and took three square meals; then he vanished. The proprietor had him arrested by the village constable, under the charge of defrauding or "beating" his hotel. The fellow hired a country lawyer, who promptly sued the landlord for the \$50 reward, claiming that it was a fair game, as he had "beaten" the house for the \$2 a day. The prisoner, being discharged, gave the claim for \$50 to the lawyer as his fee. The lawyer sued, and, in the course of events, being indebted to the judge, turned the claim over to him. His honor went promptly to the hotel to board out the bill, and on Sunday had the landlord arrested for contempt of court because there was no chicken pie served.—Boston Beacon.

**Switzerland's Spartan Schools.**  
Recently M. Ringele's school for young boys at Sekingen, Switzerland, visited Basle during the holidays and roused great interest and excitement in the town by their Spartan dress and manners.

The boys wore a simple soft shirt without sleeves, and a belt around the centre. They were without any head-covering or stockings, and their footwear was wooden sandals. All the year round they wear the one garment.

Their food is of the simplest, and they undergo great exertions. M. Ringele commenced his Spartan system with his boys some years ago, and the results were very encouraging. The boys remain at school until they are of age to become soldiers, and they are considered the best recruits in the army.

M. Ringele intends starting a girls' school very shortly on the same principles and methods.

## BUILT OF WHALEBONE.

From Frame to Seats, This Summer House is a Museum.

A summer house made from the bones of a giant whale, with the jawbone entrance large enough for a man on horseback to ride in without bending his neck, is an attraction on Sullivan's Island, across the bay from Charleston. Sections of "ribby" backbone are used for comfortable seats in this unique resting place, and Captain John H. Devereaux, on whose handsome lawn the curiosity stands, has refused to accept an exorbitant price for a museum, anxious to buy it for perpetual preservation. The shrill winds from the sea and the great waves which frequently ride through the island in the hurricane season, have added the bleach to what was once the monster whale of the South Atlantic waters. This whale was captured in the harbor of Charleston, after the most desperate sea battle ever fought here with an invading enemy. When the whole city joined in the battle, with steamers and tugs and row-boats running close, and from which shells of lead and steel were fired, the sea monster had to submit, and his mighty head was laid low. They dragged him to the island beach, from which there came a stench which rose to heaven as the sun beat down upon the dead and lacerated giant. A council of war was held. Men took wisdom together and then the funeral pyres were laid and the flames and the fire which spread over the sand covered habitation, conveyed the news that his whaleship was being cremated, so that his ashes might drift back to the sea from whence he had come.

There was a time when dates were reckoned from the year the great whale was killed. But other things—storms and hurricanes, and earthquakes—came on and the battle with the sea devil was of less importance. The man who looks upon the jawbones at Captain Devereaux's handsome summer palace can reason on the ease with which Jonah passed down by the palate of the whale. Even a horse could have galloped down the throat.

When the whale turned into the harbor entrance and swam toward the wharves and the battery he played out by the "graveyard," where the water was deepest. He was cutting and plowing through the water when the pilots picked him off with the glasses and the word went out, forthwith, that an enemy was within the bar. The small boats moved cautiously, ly toward the graveyard, where the sea monster was cutting and plowing. The attacking force increased in numbers the battle was begun. Every missile and every weapon within reach was used with more or less effect on his whaleship. When his snout was lifted above the water his troubles started afresh and the attacking army closed in. The animal could not withstand the attack and his life blood ceased to flow. Then his body drifted back and forth with the changing tide and lodged on the island beach, where he soon let it be known that he was there.

Wagons loaded with rich cord wood came up, and this was placed around the whale, while buckets of oil assisted in urging the fires to burn. Out of the ashes the great bones were saved, and the pick of them was secured by Captain Devereaux, who planned the summer house by his gate. The chief credit for the death of the whale was due to General Wilmot DeSaussure and Captain Frank Porcher, two expert sports men of Charleston.

It was recently printed here that Captain Devereaux had refused a flattering offer from the Smithsonian Institute for the bones now in his possession, but he has refused to sell.—The Sunny South.

**The Apple.**  
In speaking of the immense demand for fruit of all kinds in Chicago, a South Water street commission merchant remarked recently: "Oranges, bananas, lemons and other tropical fruit; peaches, pears, plums and other domestic fruit are very well in their way, but apples outclass them all. They are marketable at all seasons of the year; they are staple as sugar, cotton or corn, and the wonder to me is that the supply is never equal to the demand." It appears that to meet the wants of the apple-eating people of the United States great quantities of the fruit must be imported from foreign lands annually, and, although these imports are growing year by year, the price of apples is not materially affected. "The truth is," said the commission merchant, quoted above, "if American farmers and gardeners understood the wants of the apple trade in the country they would give a great deal more attention to apple orchards than they do now. There is vastly more money in apple orchards in the Middle West than there is in orange groves in California and Florida."—Chicago Inter-Ocean.

**Telephone Confusion.**  
The complications that may arise from having several telephone systems serving the same district is illustrated in the plight of several English towns. Here there are three separate telephone systems—those of the National Telephone Company, the Post-office System and the local municipality. Business houses are thus forced to have practically three 'phones. The confusion arising from having several different numbers is apparent.

**A Distinguished Family.**  
The four sons of Charles Darwin have all made their mark as scientists. George Darwin is a famous mathematician, Horace Darwin is an authority on physics, Major Leonard Darwin is honorary secretary of the Royal Geographical Society, and Francis Darwin is a distinguished botanist.

# OUR BUDGET OF HUMOR

**The Perambulating Paradox.**  
The fool who thinks he knows it all  
Forever blows and blows,  
Endeavoring thereby to let  
The world know that he knows.

And here there comes a paradox,  
We hear him loudly shout,  
And watch the working of his lips,  
But not a thing comes out.

**Choke Him Off!**  
Winks—"What is the worst post-election feature?"  
Blinks—"The fellow who says, 'I told you so.'"

**One of the Possibilities.**  
"Mother, what would you do if we had a lot of money?"  
"Faith, O! dunno. Maybe O'd be begin to worry about what we'd do if we hadn't."—Puck.

**Ambiguous.**  
Bella—"But why did you refuse him if you loved him?"  
Dora—"Well, you see, he said he couldn't live without me, and it aroused my curiosity."—Puck.

**Their Charms.**  
"Henry, what do you mean when you speak of preferred creditors?"  
"Why, those that don't dun, my dear."  
"Oh, yes, I see."—Baltimore Jewish Comment.

**Mere Pleasantry.**  
Passenger—"It's shameful to have to wait so long on this switch."  
Conductor—"Well, if you want to finish your trip in an ambulance, we can go on and collide with that other car."—Puck.

**Not Quite Satisfied.**  
"And you like the candidate treated you like a gentleman?" asked the political manager.  
"Well, I suppose that's what you'd call it," said the worker: "he only treated us once."—Yonkers Statesman.

**Aid to Conversation.**  
Miss Summit—"Look in the magazines and see what is the most popular book in St. Louis, please."  
Miss Pallasde—"Certainly. What do you want to know for?"  
Miss Summit—"Oh, I'm going out there on a visit."—Judge.

**Force of Habit.**  
Sandy Pikes—"Do yer think yer'll ever get to paradise, pard?"  
Billy Colgate—"Well, it's sort of doubtful. Yer see, when I knocked at St. Peter's gate I'd have a hard time to keep from forgettin' myself an' askin' for a handout."—Chicago News.

**If Stamps are Inclosed.**  
"What business brings the heaviest returns?" asked the man who wanted to know.  
"The literary business," sighed the struggling author, as he opened a two-pound rejected book manuscript.—Philadelphia Record.

**General Toss.**  
"There was quite a bit of tossing at the game."  
"Ah?"  
"Yes. First they tossed up a penny to see who should go to bat, then they tossed up the ball and after the game the infuriated fans' tossed up the umpire."—Chicago News.

**Cheering Him Up.**  
Dr. Price—"Your husband's trouble is melancholia. Now, you'd help him materially if you'd only arrange some pleasant little surprise for him."  
Mrs. Sharpe—"I know! I'll tell him you said he needn't bother about paying your bill until he feels like it."—Philadelphia Press.

**Didn't Have To.**  
Nurvy—"I want you to take a couple of tickets for our club's benefit at the Opera House."  
E. Z. Mark—"But I wouldn't go to an affair of that sort."  
Nurvy—"You don't have to. All you've got to do is just to buy the tickets."—Philadelphia Press.

**Photographic Achievement.**  
Ethel—"Why, Aunt Emily, this is a lovely photograph of you! What were you thinking of to get such a charming expression?"  
Aunt Emily—"Well, when the photographer got me properly posed he forgot himself and said, 'Now, look stupid, please.'"—Detroit Free Press.

**Off He Went.**  
"O my!" exclaimed the dead beat, who had been ostentatiously fishing for his fare. "I've lost my last nickel. I'm not as well off as I thought I was."  
"No," replied the wise conductor, as he rang the bell to stop, "but you're really better off."—Philadelphia Press.

**Ahead There.**  
"I hope," said the drummer, "you were quite satisfied with my report for the past month."  
"Well, replied the head of the firm, "there was one part of it that really exceeded our expectations."  
"And what was that?"  
"Your expense bill."—Philadelphia Catholic Standard and Times.

**Johnny and His Aching Tooth.**  
Johnny's tooth was aching dreadfully.  
He started for the dentist's office. When he came to the stairway leading up to the office he didn't hesitate an instant.  
His tooth was aching worse than ever, and he went up stairs and had it extracted.  
This, it is believed, never happened before, in just this way.—Chicago Tribune.

## Civilization of the Crows.

The Crow Indians, once the terror of the plains, are now scheduled as among the most industrious and prosperous Indians in the country. There are about two thousand of them on the Crow reservation in Montana, and they have been reported at Washington as "self-sustaining." There are gradations of worthlessness even among the savages, and the Crows were more energetic in their wild life than were many of the other tribes, and especially those of the Coast. It is not surprising, therefore, that they are more energetic in semi-civilized life than the others and are ready sooner to dispense with government rations.

**Unable to Stand For Months Because of Sprained Ankles.**

**CURED BY ST. JACOBS OIL.**  
(From the Cardiff Times.)

Among the thousands of voluntary endorsements of the great value of St. Jacobs Oil for sprains, stiffness, and soreness, is that of Mrs. G. Thomas, 4 Alexandra Road, Gelli, Ywbrod, near Pontypridd, South Wales, who says:—"It is with great pleasure that I add my willing testimony to the invaluable excellence of your celebrated St. Jacobs Oil, as experienced in my own case. I sprained both my ankles in walking down some steps so severely that I was unable to stand for several months. The pain I suffered was most severe, and nothing that I used helped me until I applied St. Jacobs Oil, when they immediately became better daily, and in a short time I was able to go about, and soon after I was quite cured. I am now determined to advise all persons suffering from pains to use this wonderful remedy, which did so much for me."

Mrs. Thomas does not enlighten us as to what treatment she pursued during the months she was unable to stand, and during which time she was suffering so much, but we venture to suggest that had she called in any well known medical man he would have at once have prescribed St. Jacobs Oil, for it has conquered pain upwards of fifty years, and doctors know there is nothing so good. The proprietors of St. Jacobs Oil have been awarded twelve gold medals by different international exhibitions as the premier pain-killer remedy of the world. The committees who made the awards were in each instance composed largely of the most eminent medical men obtainable. Mrs. Thomas evidently did not know the highest opinion in which St. Jacobs Oil is held by almost every progressive medical man.

When one woman makes a formal call on another woman she seldom stays more than fifteen minutes, ten of which she consumes in saying good-bye.

**Test For the Bowels.**  
No matter what ails you, laxative to a cancer, you will never get well until your bowels are put right. CASCARETS help nature, cure you without a grip or pain, produce easy natural movements, cost you just 19 cents to start getting your health back. CASCARETS Candy Cathartic, the genuine, put up in metal boxes, every tablet has C.O.C. stamped on it. Beware of imitations.

Men as well as clocks are known by their works.

IT'S permanently cured, No fits or nervousness after first day's use of Dr. Kline's Great Nerve Restorer. \$2 trial bottle and treatise free. Dr. R. H. KLINE, Ltd., 391 Arch St., Phila., Pa.

Some people never attempt to do anything for fear they might do it wrong.

Mrs. Winslow's Soothing Syrup for children teething, softens the gums, reduces inflammation, allays pain, cures wind colic, 25c a bottle.

The worst thing about life insurance is that we never live to enjoy it.

Pico's Cure for Consumption is an infallible medicine for coughs and colds.—N. W. SAMUEL, Ocean Grove, N. J., Feb. 17, 1900.

It's the dull fellow who is generally the greatest bore.

## PRINCESS VIROQUA, M. D.

Endorses Lydia E. Pinkham's Vegetable Compound After Following Its Record For Years.

"DEAR MRS. PINKHAM:—Health is the greatest boon bestowed on humanity and therefore anything that can restore lost health is a blessing. I consider Lydia E. Pinkham's Vegetable Compound as a blessing to State and Nation. It cures her mothers and daughters and makes them well and strong."



PRINCESS VIROQUA, Practicing Physician and Lecturer.

"For fifteen years I have noted the effect of your Vegetable Compound in curing special diseases of women. I know of nothing superior for ovarian trouble, barrenness, and it has prevented hundreds of dangerous operations where physicians claimed it was the only chance to get well. Ulceration and inflammation of the womb has been cured in two or three weeks through its use, and as I find it purely an herbal remedy, I unhesitatingly give it my highest endorsement.—Fraternally yours, DR. P. VIROQUA, Lansing, Mich.—\$6000 forfeit if above testimonial is not genuine."

If you are ill do not hesitate to get a bottle of Lydia E. Pinkham's Vegetable Compound at once, and write to Mrs. Pinkham at Lynn, Mass. for special advice; it is entirely free.

## How to Get Rich

A book of 100 pages written by a business man of 50 years experience, who has made fortunes and come in contact with most of the rich men of the country. Especially for boys and young men—yet thousands of older men read it. YOU become successful by following directions. Mailed on receipt of price \$1.00 cash or money order. Agents selling them fast. G. S. & F. M. SCOFIELD, Bankers, ATLANTA, GEORGIA.

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The standard has always been placed so high that the wearer receives more value for his money in the W. L. Douglas \$3.00 and \$3.50 shoes than he can get elsewhere. W. L. Douglas makes and sells more \$3.00 and \$3.50 shoes than any other two manufacturers in the world. Fast Color Dyestuffs Used.

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NO NEED OF A SPECIAL ROOM; place on dining or library table or the folding stand; set away on side or end. Very strongly made, costly heavy brass hardware. Finished in best quality ball and finest cast iron. 18x48x18. Implements with table, patent indestructible cushions, pocket, book of rules for many other games. Fully as desirable a table for home entertaining as one costing ten times the price. Admits of scientific play. Plans FREE on request. Write for local agents' addresses.

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## Capsicum Vaseline

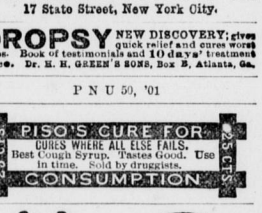
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A Substitute for and Superior to Mustard or any other plaster, and will not blister the most delicate skin. The pain allaying and curative qualities of this article are wonderful. It will stop the toothache at once, and relieve headache and neuralgia. We recommend it as the best and safest external counter-irritant known, also as an external remedy for pains in the chest and stomach and all rheumatic, neuralgic and gouty complaints. A trial will prove what we claim for it, and it will be found to be invaluable in the household. Many people say "It is the best of all my preparations." Price, 15 cents, at all druggists, or other dealers, or by sending this amount to us in postage stamps we will send you a tube by mail. No article should be accepted by the public unless the name carries our label, as otherwise it is not genuine.

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Acts Pleasantly;  
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Syrup of Figs appeals to the cultured and the well-informed and to the healthy, because its component parts are simple and wholesome and because it acts without disturbing the natural functions, as it is wholly free from every objectionable quality of substance. In the process of manufacturing figs are used, as they are pleasant to the taste, but the medicinal virtues of Syrup of Figs are obtained from an excellent combination of plants known to be medicinally laxative and to act most beneficially.

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