













Popular Science.

NITRO-GLYCERINE and dynamite do not exert so great a force in exploding as is popularly supposed, but their destructive effects are due to the concentration of so much force into a small space of time.

DR. GEORGE BAUER, Assistant Professor at the Peabody Museum, Yale College, was knocked senseless, recently, by the explosion of an ostrich egg.

A REMARKABLE example of the increase of temperature in the earth toward the center, has been presented at Pesh, where the deepest artesian well in the world is that now being bored for the purpose of supplying the public baths and other establishments with hot water.

THE light of the future is to be seen at the house of two sisters, in Westminster, England. The new light is nothing but a gas jet surrounded by a glass vessel containing water.

MILK AS AN ODOR ABSORBENT.—Those dairymen who do not believe in the power of milk to rapidly absorb and become contaminated by surrounding noxious smells will do well to try the following simple test.

DETECTION OF LEAKS IN WATER MAINS.—The microphone is now being used in Germany for the purpose of detecting loss of water through leakage in town mains.

ARTIFICIAL RESPIRATION.—Mr. J. A. Francis describes the following method of artificial respiration in the British Medical Journal.

to dangle down quite freely when the body is raised. The author alleges that this method is most successful, and it is so simple that any one can perform it without any teaching.—London Medical Record.

A TRUE STORY OF A SCOTCH COLLIE.

I think most children love to hear stories about dogs, so I am going to tell the reader of the young folks' corner what my little boy calls a "real true story," by which the little fellow means a story which has come within the range of my own experience, or that of some intimate friend.

Sixty five years ago, when my little boy's grandfather was about ten years of age, a farmer gave him a little collie pup for a pet. Johnnie was a very delicate lad, and not able to play much with the rough, strong boys of the village where he lived.

He trained his little pet to be a servant as well as a playmate. When he was out in the field looking after his mother's cow, he sometimes felt hungry, and then doggie was sent home for a scone, which he brought back wrapped up in a towel, or perhaps in a basket.

He could not understand it until he saw his cousin crossing the street to speak to him; he then knew that it was his old pet and playmate that had greeted him so effusively. But doggie was to show still another proof of his affection, for while the cousins were talking he rushed into a baker's shop and made off with a roll which he laid with an air of triumph at his old master's feet.

Once doggie had not mistaken his master's condition, for the poor student felt far more hungry than ever he had felt while tending his mother's cows in his far-away highland home. But it would not do to eat stolen bread, so matters were explained to the baker, who gave doggie the roll as a reward.

He first ran after one master and then after the other, until he was likely to get lost between them. At last the cattle-dealer settled the matter by taking him up in his arms and carrying him.

And now I will tell those of my young friends who happen to live in Glasgow a secret. If they will go along the Garube Road until they come to a butcher's shop in which is a pleasant faced old man they can hear the story over again, for he was the cattle dealer who was the faithful dog's last master.—Christian Leader.

SEEK AND YE SHALL FIND.

Seek and ye shall find. Too many of us seem to think that high attainment in the Christian life comes accidentally or suddenly. This is a mistake, and a sad one. It is one that Satan delights to have us make.

A WORKING CONSTITUTION.

Young men intending to seek the honors and emoluments of a professional life should remember that to attain them it is indispensable that one should have great personal vigor and power of endurance.

enduring fatigue that at the end of a long day's work he was still fresh and fit for labor. His physical vigor enabled him to be wherever he was wanted, and thus to see everything for himself.

The training which develops this vigor and endurance is not always that which fits a man to be a stroke oar, or a cunning ball-pitcher, or a supple gymnast. On the contrary, while examples are not wanting of men who have been "champions" of something or other in college, and who have been noted through life for perfect mental and physical vigor, the athletic training of the oarsman and ball-player often unfits a man for a successful professional career.

Such a constitution is generally born, not made, and yet it is within a young man's power to develop it by attention to the laws of the body and the mind. Nourishing food, abstinence from stimulants and narcotics, regular exercise, the daily sponge-bath and flesh-brush, plenty of sleep and methodical habits, are the means by which a working constitution can be gained and developed.—Youth's Companion.

TRUST AND WORK.

Do your work, but do it in quietness and confidence; do your duty, but do it without this corroding anxiety; and he who even in the desert spreads his table for the birds, who clothes the flowers in their embroideries of beauty, will feed and clothe you.

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