

DOROTHY AND HELEN GOULD.

Daughters of Frank J. Gould, Who Are Taking Lessons in Charity. Dorothy and Helen Margaret Gould, daughters of Frank J. Gould, who live with their aunt, Miss Helen Miller Gould, are taking their first lessons in charity. Recently the children drew the first checks they ever have drawn. The checks were for \$20 each and drawn to the order of the Home of



DOROTHY AND HELEN GOULD.

the Friendless at One Hundred and Sixty-first street and Woodycreeper avenue, New York. Miss Gould sent them to Mrs. Leonard D. White, president of the home.

The checks provided bedding for two beds. Now at the head of one bed is a little card which tells the visitor it is the Helen Margaret Gould bed, and alongside of it is another bed marked Dorothy Gould bed. Miss Gould is a member of the board of managers of the home.

JOE WOOD.

Red Sox Pitcher and Hand That Throws the "Smoke" Ball.

Joe Wood is the man who is generally regarded as the hero of the world's baseball championship series between the New York Giants and the Boston Red Sox.

In all eight games were played. The Red Sox won four, the Giants three, and one was a tie. Wood pitched in four of the games and won three. Under the rules he gets credit for winning the final game, although he pitched only two innings, because his team was behind in the scoring when he relieved Bedient, who had started the game.

The 1912 series was the greatest in the history of the game, and the Red Sox only won out in the last few minutes of the closing game.

In 1903, when in the world's championship series the old rule required the winner to get five out of nine games. Boston covered itself with glory by winning the last four games after the series stood 3 to 1 in Pittsburgh's favor. Since then no world's championship until this year has run over six games.

Records for attendance and receipts were broken this year. The total amount taken in at the gates was \$490,000.



© 1912, by American Press Association. JOE WOOD AND HIS PITCHING HAND.

683, contributed by 252,037 persons. According to the division of receipts as announced by the national commission, 10 per cent of the gross receipts was set apart for the national commission and 90 per cent of the net receipts of the first four games went to the players. This amount was subdivided, 60 per cent going to the winning club and 40 to the losing. The remainder of the money was equally divided between the owners of the two clubs.

Baseball games between rival major league champion clubs began in 1884. New York won the National league pennant in 1904, but refused to play Boston, the American league winners, for the championship, but in 1905 the Giants defeated the Philadelphia Athletics three games to two. The two Chicago teams battled for the title in 1906, the White Sox carrying off a notable victory.

The Cubs had an easy time defeating Detroit in 1907, with four games straight. Pittsburgh won from Detroit in 1908, and in 1910 the Philadelphia Athletics triumphed over the Chicago Cubs, four games to one. Last year's world's series, when the Athletics defeated the Giants, is still fresh in memory.

BLASTING DOWN COAL.

Experts Condemn Practice of "Shooting Off the Solid."

Much has been said and written in condemnation of the practice, too prevalent in some of the coal mining states, of "shooting off the solid"—that is, of blasting down the coal without having previously undercut or sheared it, or "making the powder do the work."

According to Edward W. Parker, the coal statistician of the United States geological survey, all authorities agree that the practice is reprehensible in the highest degree. The heavy charges of powder produce an unnecessary quantity of fine coal and render the lump coal so friable that it disintegrates in handling and transportation. The quantity and quality of the merchantable product are thereby materially reduced. These reasons in themselves are sufficient to call for the condemnation of the practice and the demand for its abolition, but a far stronger reason is the increased liability to accident in a vocation that is hazardous enough when all precautions possible are taken to promote safety. The use of inordinate charges of powder weakens the roof and supporting pillars, and failure to undercut or shear the coal increases the danger of windy shots, the cause of frequent dust explosions.

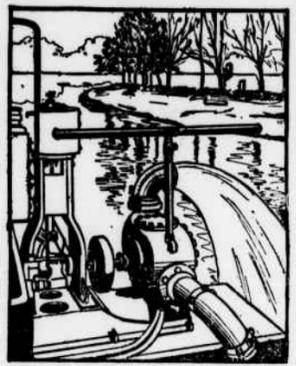
Falls of coal and roof in 1911 caused almost one-half of the 2,700 or so deaths in the coal mines of the United States, and explosions caused 14 per cent. The deaths from the more prolific cause, however, usually happen singly and are not reported outside the localities where the accidents occur, whereas the less frequent explosions involving the deaths of tens or hundreds of men are given prominence in the daily and technical press.

NOVEL SEWAGE PUMP.

Combination of the Principles of Piston and Rotary Pump.

An inventor of Cardiff, Wales, has designed a pump which combines the principles of the piston and the centrifugal or rotary pump. Having no valves that can be clogged up, it is especially adapted for the pumping of heavy liquids, sewage, etc.

The pump comprises a number of cylinders radially arranged around a



COMBINED ROTARY AND PISTON PUMP.

central revolving axle, the pistons being so connected to this axle that during half of the revolution water is sucked from the intake pipe into the chambers inclosing the cylinders, while during the other half revolution it is expelled through the outlet pipe. The pump, as shown in the illustration, is driven by a single cylinder vertical engine.—Popular Mechanics.

Egg Preservation.

J. M. Bartlett before the chemical congress explained the use of water glass, which is a silicate of soda, for preserving eggs, giving the necessary directions for its manufacture. When properly made, it does not affect the eggs chemically and will preserve them for months, being quite as effective as cold storage and available for use by the ordinary housewife. The eggs are placed in a vessel containing the water glass and left there covered by the fluid until needed for use.

Strictly fresh eggs, not the shop eggs under this label, but the real things just out of the nest, can be carried over from summer to winter in a jar of water glass in almost perfect condition. Of all the domestic methods of prolonging the useful life of eggs, immersion in water glass is by far the best, said Bartlett.

The Care of Books.

Persons about to install new libraries or those who find their books in bad condition will be glad of the advice offered on this subject by a writer in Les Annales (Paris). Glass cases should always be avoided except for a few precious volumes which are especially looked after and frequently dusted, since the confined atmosphere and lack of air circulation in such book cases are favorable to the development of germs, insects and mold. Secondly, the simple precaution should be taken of placing on the shelves behind the books strips of cloth or flannel moistened with benzine, phenol, tobacco juice or turpentine. These strips give excellent results if renewed from time to time.

Passing Gases Through Iron.

It has been known for some time that gases will pass through metals when they are highly heated; thus platinum at a red heat will allow air to pass through it. Iron is also permeable for hydrogen when hot and even when cold to a certain degree. More recently Charpy and Bonnerot show that nitrogen does not penetrate iron below a temperature of 800 degrees C. Hydrogen passes more easily and at a temperature of 500 degrees a considerable action is noticed.

SELECT CULLINGS

Bread in the Kansas Wheat Crop.

Bread: The state of Kansas alone will this year produce enough wheat to feed more than one-sixth of the population of the United States for one year. The soldiers of our army are allowed one loaf of bread a day, and the immense Kansas wheat crop would provide this average ration for 17,537,000 soldiers for one year. The magnitude of the crop is illustrated again in the statement that it could be made to griddle the earth at the equator thirty-two times with beautiful, one pound loaves. For their bumper crop the farmers of Kansas will receive the handsome total of \$85,000,000, and were the wheat all made into bread and sold at 5 cents per loaf the bakershops would get for it \$320,000,000. The building of the Panama canal has been looked upon as a stupendous undertaking for any nation, yet here is a single crop in a single state which by the time it reaches the ultimate consumer will be sold for considerably more than half the cost of digging the big ditch.—Leslie's.

Egg Membrane For Skin.

For a long time doctors have been looking for a good substitute for human skin for grafting. The possibility has lately been demonstrated by taking the membrane that lines the shell of newly laid eggs, plastering it over the burn and making it grow as human skin. The discoverer of this process was treating a child who had previously been buried and in breaking a raw egg he desired the child to swallow dropped part of the membrane by accident upon the burn and bandaged the wound. Later on it was discovered that the accidental placing of the egg membrane over the burn had caused cells to augment in number and gradually to extend over the wound until at the end of some weeks the surface was completely covered with the new skin. The treatment was called to the attention of physicians, and it is now being used to cure scalds.—Harper's.

Silk From Horse Flesh.

German chemists are reported to have succeeded in utilizing fibrous animal refuse—such as the flesh of dead horses—for making artificial silk. Treatment with acids disintegrates the flesh into its ultimate fibers, and these are given a silky appearance with great durability by a kind of tanning process. The threads produced, greatly resembling those of the wild silkworm, are about two inches long. They can be vulcanized like true silk and can be made air tight and water tight by immersion for a couple of hours in a caoutchouc bath under a pressure of four atmospheres. The material seems to promise something cheaper than silk for balloon envelopes, insulation, etc., though attempts to spin the fibers into thread have not yet been successful.

An Alaskan Volcano.

Some of the exciting experiences of teachers and others in service in Alaska are told in recent reports received by the United States bureau of education. One of the most interesting reports describes the eruption of Matani volcano, in western Alaska, which destroyed a native village and buried the country for a hundred miles in volcanic ash. Three feet of pumice covered the ground where the village of Katmal formerly stood, and the natives had to flee for their lives. They were eventually rescued by the United States revenue cutter Manning and taken to a new site on Ivanoff bay, where the government has set them up in housekeeping. A school will probably be established in the new village.

A Well Known Profile.

A woman with one of the best known profiles in France was buried recently. Mile. Adeline was twenty years old in 1848. The artist Oudine, who was asked to engrave a head of the republic for the coinage to replace that of King Louis Philippe, chose Mile. Adeline as his model. Her face in profile was of exquisite purity, and even as an old woman she had the coquetry to dress her white hair as she wore it on the coins. She died unmarried. The story goes that she fell in love with Oudine himself during the sittings and, as he had a wife already, remained unmarried for his sake.—Paris Letter.

France's Profits on Gambling.

According to a published report on the subject, the French government's "rakeoff" on gambling is not a small sum. The law compelling keepers of gaming places to turn over to the treasury of the republic 15 per cent of their profits went into effect in 1907 and in the first year netted the government 18,000,000 francs. The amount has grown every year and will probably exceed 48,000,000 francs this year. The record shows also the enormous profits made by the owners of the "gaming halls," one of whom (at Nice), who had been a poor painter, retired with a fortune of 20,000,000 francs.

Chopping Up a Glacier.

One of Switzerland's noted glaciers, that of Saleiez, above Orsieres, the starting point of the great St. Bernard railroad, has fallen a victim to commercialism. Since the opening of the railroad it has been found worth while to quarry the glacier and sell the ice. First it is blasted with dynamite and then the blocks are shot down an inclined plane two kilometers in length to the bottom of the valley. From there they are carted to the railroad station and thence shipped to all parts of Europe.

THE OPTIMIST.

THERE was once a man who smiled because the day was bright, because he slept at night, because God gave him sight, to gaze upon his child; because his little one could leap and laugh and run, because the distant sun smiled on the earth he smiled.

He smiled because the sky was high above his head, because the rose was red, because the past was dead. He never wondered why the Lord had blundered so that all things have to go the wrong way here below. The overarching sky.

He smiled and still was glad because the air was free, because he loved, and she that claimed his love and he shared all the joys they had, because the grasses grew, because the sweet winds blew, because that he could hew and hammer, he was glad.

Because he lived he smiled, and did not look ahead, with bitterness or dread, but calmly sought his bed, as calmly as a child, and people called him mad for being always glad. With such things as he had and shook their heads and smiled. —Chicago Record-Herald.

Could Not Locate Him.

Richard Harding Davis praised at a dinner in Philadelphia the modern girl's love of sports.

"And how beautiful her open air life has made her," said Mr. Davis. "I wish I could show you some of the primitive statuettes in the British museum—man's very first statuettes—for there you would see how the modern girl has improved upon her prehistoric sister. The prehistoric girl, these statuettes show, was all hips—hips like a hoghead and shoulders and arms as weak and narrow as a little child's."

"I hate to see the modern girl, though, neglect her mind in the cultivation of her body. Once, at a tea in Rittenhouse square, Tenneyson was being discussed, and I turned to a tall girl of singular beauty and said: "Do you like the "Passing of Arthur?"

"Arthur? Arthur?" she mused. "I'm sure he isn't a Pennsylvania man. Where is he playing—Yale or Harvard?"—Detroit Free Press.

He Might.

The young man was calling on the young woman. Before starting out he had been shaved, massaged and powdered. He had plastered his touched up hair down over his bald spot, and he had assumed the sort of smile that his female friends called "childish" when he was in college. His shoes were shined, and so was his nose. And then he called on the young lady.

"My object in calling on you this evening, Gertrude," he began, and then he coughed and added in a trembling voice, "I may call you Gertrude, may I not?"

"Sure you can," answered the young girl. "I allow all of papa's elderly friends to call me Gertrude. The oldest of them even call me Gert. You may say 'Gert' if you wish. What was it you wanted to talk about?"

He coughed again and then talked about how much warmer it was in the summer of '72.—Cleveland Plain Dealer.

Presence of Mind.



Captain—Supposing the barracks were to catch fire, what call would you sound? Trumpeter (newly joined)—Sure, I'd sound the "cease fire."—Punch.

Journalism.

Young Reporter—These new colleges of Journalism will turn out a great number of journalists, don't you think? Old Reporter—Sure thing! Young Reporter—Some competition in the game, eh? Old Reporter—Oh, I guess not. Young Reporter—Why? Old Reporter—Well, we shall be just as shy of newspaper men as ever.—Judge.

Overheard at Luncheon.

"That's the tenth can of sardines you have ordered," said the railway magnate. "Aren't you afraid you will make yourself sick?"

"I'm not eating them," replied the employee with inventive genius. "I think I'm on the track of a way to get more people into a street car."—San Francisco Chronicle.

Treacherous.

"You look annoyed. What's the matter?" "Bertha told me a secret the other day, and I can't tell you what it is." "Why not?" "I've forgotten it."—Pete Mele.

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