



Save the Trees.

Another warning against the destruction of forests has recently come from the island of Trinidad. The observations of the late Mr. J. A. S. Reade, who has been for many years in the island, are that the rainfall has been steadily decreasing for thirty or more years, and that if the present rate of decrease should continue, that beautiful island would, within a measurable time, be a barren, treeless waste. Mr. S. S. Scharra. Destruction of forests is declared to be the cause of the decrease of rain.

Papacatchee's Rabbit.

One would hardly look for a new species of rabbit in the arid, treeless slopes of a great volcanic mountain. Yet Dr. H. Merriam has recently described just such an animal, which was discovered at an elevation of 10,000 feet, on the slopes of Popocatepetl, the "mountain that smokes," near the City of Mexico. It is remarkably small, does not jump like an ordinary rabbit, but runs on all fours, possesses no tail, has short ears, and is covered with a soft, grayish hair. The slopes of the mountain below the

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Effect of Electricity on Seeds.
Experiments recently made at the Massachusetts Agricultural College tend to prove that electricity exerts an important influence on the germination of seeds. When a current of the proper strength is applied it hastens the germination and early growth of the seedling. The sprout first appears as the plant increases in size. Seed subjected to a single application of electricity show the effect for only a few hours, but if the current is applied at intervals of a few days, the effect as the plants mature the beneficial effect is gradually lost.

One of the Nearest Stars.
There are very few stars whose distance is even approximately known to astronomers. Moreover, the different stars are so far from each other that they vary by large amounts. The nearest known star is "Alpha" in the constellation

northern lands of the earth, and one of the next nearest is a little star in the northern constellation Cygnus, called "61 Cygni." The latest determination of the parallax of this star by Mr. H. S. Davis, of New York, makes its distance fifty-three millions of millions of miles. This is about eighteen mil-

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A Curious Village of Ants.
Mr. George M. Brook describes, in the Popular Science News, a singular community of ants which he has discovered by him inhabiting little dome-shaped structures, made of wood fibre, and attached on the panels of a fence and the neighboring shoots of a Virginia creeper. These shelters, which presented themselves as small mounds of wood chips, were from a quarter of an inch to an inch in diameter, and about an eighth of an inch high. On breaking them open Mr. Brook found them occupied by ants. During a shower, he says, they were very busy, and he saw them enter and leave the openings. He saw the industrious creatures at work building and repairing their singular shelters. The Virginia creeper was inhabited by many aphides, or plant lice, which, it is well known, furnish the ants with honey dew, and which is sometimes like

ed to the milk of cows. When, with the growth of the creeper, the location in which the aphides abounded was changed, the ants abandoned their original huts and constructed new ones nearer to their "herd of cows." Their permanent home of the ants was in a pile of boards several yards away.

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crested last winter in Iceland. Along the shore of the lake, near the center of the outlet of the inner shoal of the island, there is a brown, low level region called the *Sedra* or *Sedra* (Sedra) bordered by glaciers descending from the mountains. A postman crossing the sands was startled by a long, greenish-white mass issuing from the glacier five miles away. Then he saw masses of ice shooting into the air, followed by a flood of water and ice pouring across the sands. Being on horseback he quickly got out of the reach of this great power. After six days, on again visiting the spot, he found the sands covered by a "belt of fine waves" resembling waves.

in from the glacier to the sea, a distance of twenty-five miles. The precise cause of the eruption, which apparently took place underneath the glacier, not known, but according to a report in Nature, it is believed to have some connection with the great earthquake which shook Iceland last summer.

He Saved His Master.

From a letter to the Philadelphia Times from Vicksburg, Miss., reports that a firm in that city has made a handsome marble shaft for a river-plant, a Mr. Phillips, on which is the following inscription: "To Bruno, a good dog."

faithful friend, a wise counsellor, this monument is erected by his grateful and affectionate master." The story the dog is thus told:

In the spring of 1894 Mr. Phillips was making a circuit of his plantation to see if the levee was holding in good condition. His dog Bruno accompanied him. As they approached certain point Bruno, for some unaccountable reason, refused to advance.

REV. DR. TALMAGE.

working in many German factories forbidden to wear corsets during the war.

After he has been placed by a firm of merchants for the entire tenure of the Iowa Agricultural College and Experiment Station, the United States Congress, the controlling Legislature, has sanctioned building of an aqueduct which will cost \$125,000,000 and will supply the city of Chicago with 5,000,000 gallons daily.

Among his desperate resorts to procure money for the war in Cuba, has been the purchase of dynamite and the purchase of gun-powder. In the call for money it is announced that none of the \$100,000,000 a year will be considered.

Samuel F. Knitting Mills Company (S. C. Knitting Mills Company) encountering difficulty in procuring white belt, when it began operations in 1917, it followed the example of the Charleston Cotton Mill, and filled its factory with negroes, chiefly women and girls, with

mer school for employes of maps, and others working on cotton temporarily out of work, has opened under the direction of Inedrick, of the Lowell (Mass.) school, assisted by Machinist Mc-

There are 36 pupils attending, and the commodities which have increased in production here so great during the decade and a half is in copper. A part of this enormous increase is that all of it has come from Amerigen. The constantly growing demand for metal and the development of the copper industry has given stimulus to copper mining, and the richest have been found right here in

is being made of the best cedar in the country to supply the in-demand of the long-distance transmission plants and the power-lighting lines, for poles. One lifted 150,000 poles last year, and is making large consignments to Ayres, South America and Canada as shipments to Texas, Utah and Colorado. The poles are rafted from

st lakes in lots of 20,000, and on the water by steam elevators are then sorted and placed in seeps. Those which are not of high grade are used for fence posts, shingle and paving blocks. The efforts of a London syndicate to develop the iodine industry in Japan met with the success desired, and announcement of a new French process for extracting iodine from seaweeds is to further reduce the influence of manipulators in the market for the resultant products unless a control of it. It looks as though it would soon become a matter of exchange, such as other chemical processes, the effect of this new process on

remains to be seen, but the very
ducing cost in Japan can hardly
come, it is believed, by the
man's invention or other proba-
bly developments of the near future.

for carrying on the distribution product, comes the announcement of the forming of the American Spinning Yarn Exchange, with headquarters in Boston, and intending to meet fully the wants of both the yarn and their customers than is now the commission houses. The new one is modeled after that in vogue in Lancashire, England, and is the result of

Investigation as to the working conditions there for the selling of the cotton of the mills through agents on the spot.

Representative of one of our principal textile centres has just completed a business tour of parts of the United States and reports very rapid development of cotton manufacture in Japan, particularly in the cotton textile industry.

visited mills in Osaka, the leading manufacturing city of the Empire, and discovered vast unemployment in the condition of the operatives, as a rule, lack high wages and are learning rapidly. The wages paid is being gradually increased and altogether the manufacture high hopes of future suc-

the industry. The Chinese are pressing more moderately in cotton-pressing. They use native cotton exclusively, but in Shanghai the industry is showing considerable improvement.

LAWS OF NEW PATENTS.
The self-closing inkstand the month

roll paper has mounted upon the cross piece which carries the side standards supporting a cross-

carrying a second blade, and still a cross-piece superimposed upon the cutting, carrying another blade, the whole forming a pyramid with three blades which can be used snugly or to suit will.

BACK-SUPPORT.
Improved invalid's support consists of a strap attached to the head of the

carrying a pivoted canvas-covered arm, which can be adjusted up at any desired angle, and put of the way when not in use.

ly attached by open mouthed
it can be operated with one hand
the rider to sit upright at all
and can be adjusted for a high or
ward or rearward hand grasp.

BICYCLE HOLDER.
Price for carrying bicycles at the
of street cars consists of two
of brackets which, when swung

ELECTRIC FURNACE.
A electric furnace, designed especially for the production of carbide of silicon, the bottom of the furnace consists of a layer of carbide of silicon, which is heated by electric current.

forming a rotary negative pole, the positive pole at the top of the furnace giving a series of carbons which can be lowered at will.

MARINE MERRY GO-ROUND.
A new seaside merry-go-round has a steel mounted on a tilting platform, on which the machine runs and is used for carrying the truck. The

are attired in bathing suits, and the machine enters the water, can be used from or dipped into the water, or towed or carried around in a circle to be a surf.

PAPER TUBES.

A new machine for closing the ends of paper tubes has rotary cutters which cut the ends of the tubes.

side of the tube at one end, and the turners which turn the cut portion to the tube, forming a dome end.

OLDING BICYCLE RACKS.

ing bicycle racks are being manufactured which have a series of vertical tubes in a frame which is hinged to a base and held in position by cross

and locking loops at the ends, the bar of the frame being cut out in intervals to receive the wheel when in position.

thimble, the thread being drawn
e shield and forced against the blade
it.

studying ancient mythology, and three years in the theological seminary learning how to make a sermon and then we

go out to save the world, and if we cannot do it according to Claude's "Sermonizing," or Blair's "Rhetoric," or Kames' "Logic," we will let the world go to perdition. If we save the world, else, we will save Claude and Blair. We see a wreck in sight. We must go out and save the crew and passengers. We find a life-boat, a broken oar and a broken rudder. We take the oar and oarlock, the rudder and rudder-peg, and then we push out methodically and scientifically, while some plain shoeman, who is finding a plank, says, "The broken oar look goes out and gets the crew and passengers and brings them ashore in safety." We throw down our delicate oars and say: "What a ridiculous thing to save the world! That is what a shoeman does it scientifically and beautifully." "Ah," says the shoeman, "if those sufferers had

waited until you got out your fine boat they would have gone to the bottom." "I am glad to see that the English language is to save men, and though every law of grammar should be snapped in the undertaking, and there be nothing but awkwardness and blundering in the mode, all hail to the man who saves a soul."

Christ, in His preaching, was plain, earnest and wonderfully sympathetic. We cannot draw Him into heaven or hell. We cannot drive them in with the butt end of a catechism. We waste our time in trying to catch flies with acids instead of the sweet honeycomb of the gospel. We try to make crab apples do the work of pomegranates.

Again, Jesus was wonderful in His sermons. The sun, moon, stars and the cold

pilted Him, the rain pelted Him, thirst parched Him and hunger exhausted Him. Shall I compare His sorrow to the sea? No, for that is something hushed into a calm. Shall I compare it with the night? No, for that sometimes gleams with Orion or kindles with the Aurora. Shall I compare His love thrust through your temple you would faint. But here is a whole crown made from the rhamnus or spina Christ—small, sharp, stinging thorns. The mob make a cross. They put down the long beam, and on it they fasten a shorter beam. Got Him at the end of the beam, and the hammer driving the spikes through them. Those feet that have been going about on ministrations of mercy—battered

against the cross. Then they lift it up!
Look, look, look! Who will help Him now?
Come, men of Jerusalem—ye whose dead
is brought to life! Who will help Him alone—
—who will help Him? Who will seize the
weapons of the soldiers? None to help.
Having carried such a cross for us, shall we
refuse to take our cross for Him?

Shall Jews bear the cross alone
And all the world go free?
No; there's a cross for every head,
And there's a cross for me.

You know the process of ingrafting. You
saw a hole into a tree and put in the
branch of another tree. The new tree of the
cross is hard and rough, but into the
holes where the nails went there had been
grafted branches of the tree of life that now

Sear fruit for all nations. The original tree was bitter, but the branches ingrafted were sweet, and now all the nations pluck the fruit and live forever.

Again, Christ was wonderful in His victory.

First, over the forces of nature. The sea was a crystal sepulcher. It swallowed the Central America, the President and the Spanish Armada as easily as any fly that ever floated on it. The inland lakes are fully as terrible in their wrath. Galilee, when aroused in a storm, is overwhelming, and yet that sea crouched in His presence and licked His foot. To know all the waters

FOOT

His foot

great changes in rheumatic fluids. I
saw blood, but when muscles are out,
either no human power can restore
them, and when a limb is once dead it
is dead. But here is a paralytic—his hand
lifeless. Christ says to him, "Stretch forth
thy hand," and he stretches it forth.

In the eye infirmity how many diseases
of that delicate organ have been cured?
But Jesus says to one born blind, "Be
thine eyes open," and he has been cured
through gates that have never before been
opened. The frost or an ax may kill a tree,
but Jesus smites one dead with a word.

Chemistry can do many wonderful things,
but what chemist, at a wedding, when the
refreshment gave out, could change a pal-

of water into a cask or wine.

He took the stone from the grave. The hinges of the family vault became very rusty because they are never opened except to take another in. There is a knob on the outside of the sepulcher, but none on the inside. Here comes the conqueror of death. He enters that realm and says, "Daughter of Jairus, sit up," and she sat up. To Lazarus he said, "Come forth," and he came forth. To the widow's son He said, "Get up from that bier," and he goes home with his mother. Then Jesus snatched up the keys of death and hung them to His girdle and tried until all the graveyards of the earth heard Him: "Oh, death, I will be thy plague! Oh, grave, I will be thy destruction!"

That's the story of the resurrection. Just because this world is His and He must have

it. What is the matter in this country? Why all these financial troubles? There never will be permanent prosperity in this land until Christ rules it. This land was discovered for Christ, and until our earth shall be evangelized and north, south, east and west shall be ruled by Christ, the Father and Redeemer, we cannot have permanent prosperity. What is the matter with Spain, with France, with all of the nations? All the congresses of the nations cannot bring quiet. When governments not only theoretically but practically acknowledge the Saviour of the world, there will be peace everywhere. When the nations will have more ships than now, but there will not be one "man-of-war." The foundations of the world will jar with mightier

industries, but there will be no molding of bullets. Printing presses will fly their cylinders with greater speed, but there shall go forth no greater words. Universities, institutions, or change, in scientific laboratory, on earth as in heaven, Christ shall be called wonderful. Let that work of the world's regeneration begin in your heart, oh, hearer! A Jesus so kind, a Jesus so good, a Jesus so loving—how can you help but love Him?

There is a beautiful moment when two persons who have pledged each other heart and hand stand in church and have the banners of marriage proclaimed. Father and mother, brothers and sisters stand around the altar. The minister of Jesus gives the counsel, the ring is set, earth and heaven

witness to all generations the start out on the path of life together. Oh, that this might be your marriage day! Stand up, immortal soul. Thy beloved comes to get His betrothed. Jesus stretches forth His hand and says, "I will love thee with an everlasting love," and you respond, "My beloved is mine, and I will love him." He will love thee for ever. No troubles shall part you, no time cool your love. Side by side on earth, side by side in heaven. Now let the blossoms of heavenly gardens fill the house with their redolence and all the organs of God pearl forth the wedding march of eternity. Hark! "The voice of my beloved." How He cometh from the mountains, skipping upon the hills—

Go forth with a smile on your face and you will return believing that most people are good natured. Wear a frown and you will find plenty of quarrelsome people.

We should manage our fortune like our constitution; enjoy it when good, have patience when bad, and never apply violent remedies but in cases of necessity.

Teach self-denial, and make its practice pleasurable, and you create for the world a destiny more sublime than ever issued from the brain of the wisest

It is a degrading thing to enjoy hus-
till there is no man to give them. It is
base thing to resolve to give God as litt-
as possible, and not to serve Him till y-
must.

He that takes no holiday hastens
long rest.