

SCIENCE AND INVENTION.

Work of the World's Busy Brains in Discovering, Inventing and Creating.

There were three non-refillable bottles patented last week and three rotary engines.

For the week ended June 11, the Patent Office issued 811 patents, 11 designs, 188 trade-marks, 12 labels, five prints, one ribbon, making a total of 1,028, of which 728 patents and designs and 184 trade-marks went to citizens of the United States and 84 patents and designs and 21 trade-marks to citizens of foreign countries.

Concrete Cutter. There is an opportunity of usefulness in the concrete cutter patented by Martin F. Howley, Pittsburg, Pa. The cutter has wings to connect it with the earth and prevent its being cut under.



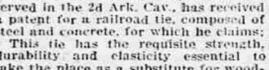
William W. Hare, Noblesville, Ind., has patented a new device for a mower which looks like an improvement in the method of transmitting the power to the cutting blade.



Composite Railroad Tie. E. T. Forrester, Denver, Colo., who served in the 2d Ark. Cav., has received a patent for a railroad tie, composed of steel and concrete, for which he claims this tie has the requisite strength, durability and elasticity essential to take the place as a substitute for wood-ties.



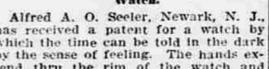
Hedge Trimmer. A good many years ago, when rail splitting was necessary and hard work, there was an outbreak of a fad for hedges as a substitute for the old Virginia worm fence.



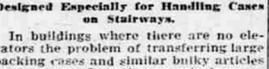
most as much work to keep in order as a fence, and people generally gave them up. Very few trimmed, well-kept hedges can be seen any place except those around city lots.



Watch. Alfred A. O. Seeler, Newark, N. J., has received a patent for a watch by which the time can be told in the dark by the sense of feeling.



Designed Especially for Handling Cases on Stairways. In buildings where there are no elevators the problem of transferring large packing cases and similar bulky articles to the upper floors is a perplexing one.



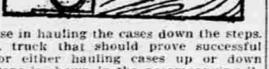
Garment Hanger. William Carter, Clinton, Ky., has obtained a patent for a garment hanger which seems to have something to commend it, as, when not in use, it can be closed up out of the way.



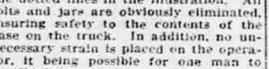
Automobile Tire. Frederick D. C. Cook, Chippewa Falls, Wis., attacks the tire problem with a complicated and possibly practical device. He has an internal vacuum chamber on the face of which are three solid rubber strands with additional elasticity given them by steel springs.



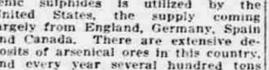
Tongue Scraper. A queer device has been patented by Fanny D. Lees, Philadelphia, Pa., of a tongue scraper made from a single strip of flat spring-ware, bent upon itself to form a scraping loop.



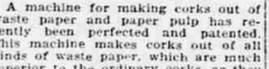
Cardboard from Grass. A new industry at Mobile, Ala., is the manufacturing of cardboard from the swamp grass found in quantities near Mobile.



Corks Made from Paper. A machine for making corks out of waste paper and paper pulp has recently been perfected and patented.



Paper Milk Pails. Paper pails are, says the London Standard, the latest sanitary device for the delivery of pure milk in London and other large towns.



SENDING 25,000 HORSE-POWER. Kern River Plant Carries a Stream of Water for Miles Through Concrete Pipes. Drop 577 Feet to Impulse Wheels—Long Lines.

California, which, according to the United States Census of 1900, excels the world in the dairy, number and commercial value of its long distance electric transmissions, drawing power for distances of almost 200 miles, has added another great work to its list in the Kern River plant, completed within the last few weeks.

This power house generates 25,000 horse-power and is the first of the power plants which 60,000 horse-power is to be developed from the Kern River, a stream in the south central part of California, rising in the Sierra Nevada range.

JAPANESE WAR TALK. (Continued from first page.)

A lot of threatening talk into the newspapers, all of which was entirely ignored by the President and by Secretary Root.

The attitude of President Roosevelt and Secretary Root is very logical. They know that there is absolutely nothing to warrant a prospect of war between Japan and the United States.

There are yellow newspapers galore in the United States, but those of Japan are regarded as superfluous, because no one here who thinks seriously about the future of the world believes that there will be war, either within a few months or within a few years.

There are too many level-headed people here and too many educated people in the United States to be so easily misled by the propaganda of the Japanese press.

Probably the agitation of the hot-heads in Japan and on the Pacific coast will defeat the negotiations for a new treaty between the two nations.

Just at present there is much fuss among the officers at the War Department over Secretary Taft's determination to send staff officers back to the line for service.

Secretary Taft Shaking Up the Officers of the General Staff in Keeping Pleasant Billets.

Supersensitive Japan. President Roosevelt and his Cabinet have in every possible particular been friendly to the Japanese.

An "Inch" of Rain on One Acre. Few people have an adequate idea of the amount of water that descends from the clouds during a rain storm.

Capt. John V. Keepers. Editor National Tribune: I was very glad to see a request from Commander John R. Keepers for a history of Old Battery B, S. I. A.

United States Neglects Arsenic Production. Over half the world's production of metallic arsenic, white arsenic, and arsenic sulphides is utilized by the United States.

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SHORT TALKS TO SAVINGS BANK DEPOSITORS IN THE FINANCIAL WORLD.

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Eyes Bad?

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The cures being made by this magic lotion every day are truly remarkable. I have repeatedly cured eight persons nearly blind for years. Ulcers, wild hairs, granulated lids disappear almost instantly with the use of this magic remedy.



Many have thrown away their glasses after using this magic lotion to perfect health. It has repeatedly cured where all other remedies had failed. I can give you free trial to any sufferer from any eye ailment.

My Thoughts on Picket. (By C. A. Dibble, Co. A, 7th Iowa.) The fire grows dim, my comrades sleep. The night is calm and still. And tonight is heard a soldier's call. O cry of whippoorwill.

I'm standing with my trusty gun. Beneath an aged tree. Alone with nature, and her god. My only company.

What better time for thoughts of home. And all will hold me dear. Than when all nature seeks repose. And naught but God is near.

I cast my eyes to starry hosts. That gem the world above. And think of wife and children dear. Whom I so fondly love.

I cast my eyes to one bright star. Heresperides its name. And wonder if this moment, Kate, You're gazing at the same.

And then a silent prayer I breathe. That I may ever prove. As constant as that sleepless star. To those who claim my love.

And still my orisons arise. For strength to face the fight; To battle manfully our foes. For liberty and right.

Oh, God, save liberty, the boom. For which our fathers bled. From foe in front and foe in rear. From rebel, copperhead.

May peace with mild and gentle way. Dispel our gloomy night; Dispel our gloomy night; Dispel our gloomy night.

God save my native father land. Or take me home to thee. The downfall of my country's fame. I would not live to see.

Such are the thoughts which fill my mind; 'Tis I must now be brief. 'Tis one o'clock and I must call. The sleeping third relief.

So fare you well, my darling wife. An infant girl and boy. When rebels fly and peace returns. Oh, then, we'll meet with joy.

SALESMEN WANTED. Men who possess selling abilities can get the most for their representing us for the sale of our products.

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