

given the correct time, thinness is due to too short development. You need to keep the plate in the developer until you see signs of the image appearing through the back of the film.

Two ounces of the above add one drachm of following solution:

Water 3 oz. Carbonate of potash 1 "

Begin by soaking the plate in the first solution a few minutes, then, should the plate refuse to develop, add the second. A fixing bath is made by dissolving 1 ounce of hyposulphite of soda in 6 ounces of water.

(2877) G. L., alluding to an article in our SUPPLEMENT, No. 226, in which "black alder" is given as the popular name of Rhamnus frangula, asks if this is not an error, as "black alder" is the popular name of Ilex verticillata.

(2878) T. H. asks (1) how to make a preparation for bleaching lard. A. One process is to heat the melted fat with sulphuric acid 1 1/3 to 1 1/2 sp. gr. 2. One for preserving meats (made with boracic acid).

Replies to Enquiries.

The following replies relate to enquiries recently published in SCIENTIFIC AMERICAN, and to the number therein given:

(2787) In reply to inquirer No. 2787, would say if his cider is colored with any iron substance, that is to say, if any nails are driven through the barrel into it, use fresh sweet milk, one quart, put in barrel and stirred up, and then filtered, will make it clear as if fresh made.

TO INVENTORS.

An experience of forty years, and the preparation of more than one hundred thousand applications for patents at home and abroad, enable us to understand the laws and practice on both continents, and to possess unequalled facilities for procuring patents everywhere.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Granted

February 24, 1891,

AND EACH BEARING THAT DATE.

[See note at end of list about copies of these patents.]

Table listing inventions such as Air brake, Alarm, Animal trapsetter, Annunciator and indicator system, Atomizer, Automatic sprinkler, Axle box, etc.

Table listing inventions such as Ball, Saw Bowling ball, Band cutter and feeder, Battery, Battery elements, machine for moulding separator plugs, etc.

Table listing inventions such as Furnace, M. C. Hawley, Furnace feeding device, boiler, G. W. Wood, Fuse, blasting, F. Jones, Gauge, W. Ricketts, Gauge for determining the radius of curvature, etc.

Table listing inventions such as Railway crossing, E. B. Entwistle, Railway drawing head, W. C. Pearce, Railway elevator, R. M. Hunter, Railway elevator, D. B. Weaver, etc.

TRADE MARKS.

Table listing trade marks such as Ammonia preparations for medicinal purposes, Chemicals, Fabrik auf Aktien, Baking powder, Beef, hog, and sheep products, etc.

Forty-sixth Annual Report
NEW-YORK LIFE INSURANCE COMPANY

Office: Nos. 346 & 348 Broadway, New York.
JANUARY 1, 1891.

Table with 2 columns: Description and Amount. Includes Amount of Net Assets, Revenue Account, and Disbursement Account.

Table with 2 columns: Description and Amount. Includes Assets section with items like Cash on deposit, Real Estate, and Bonds.

Table with 2 columns: Description and Amount. Includes TOTAL ASSETS, Appropriated as follows, and Surplus, Company's Standard.

Table with 4 columns: Description, New Insurance Issued, Insurance in Force, Assets, and Annual Income. Includes GROWTH OF THE COMPANY DURING THE PAST DECADE.

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WILLIAM H. APPLETON, ROBERT B. COLLINS, RICHARD MUSER, WM. L. STRONG,
WILLIAM H. BEERS, H. C. MORTIMER, C. C. BALDWIN, W. F. BUCKLEY,
WILLIAM A. BOOTH, ALEX. STUDWELL, E. N. GIBBS, HENRY TUCK,
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DESIGNS.
Badge, D. L. Auld, 20,528
Bottle, J. W. Nicholson, 20,527
Flower frame, F. Stoffers, 20,538, 20,534
Hose reel bracket, S. L. Meeker, 20,530
Match or ash receiver, H. L. Liebe, 20,532
Match safe, L. Z. Anderson, 20,526
Observatory, E. Eitel, 20,529
Roofing plate, L. L. Sagendorph, 20,531

A Printed copy of the specification and drawing of any patent in the foregoing list or any patent in print issued since 1861, will be furnished from this office for 25 cents...

Canadian Patents may now be obtained by the inventors for any of the inventions named in the foregoing list, provided they are simple at a cost of \$40 each.

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