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. Probably your trouble has been in making instantaneous exposures with too weak a light or a slow lens stopped down. Both will make thin negatives. 2. Which are the best plates for instantaneous work? A. Cramer C, Seed 26, Stanley, Forbes and Carbutt plates are good. 3. Can you give me good formula for a developing and fixing bath? A. The developing and fixing baths must be kept separate. An energetic developer is made by dissolving in warm

 Water
 .40 oz.

 Sulphite sodium c. p
 2 "

 Eikonogen
 1 "

To two ounces of the above add one drachm of following solution:

Water 3 02. 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. 4. Do you know of any good book containing instructions in developing, fixing, printing, and what is the price? A. "The Amateur Photographer," by Ellerslle Wallace. Price \$1.

(2877) G. L., alluding to an article in ou SUPPLEMENT, No. 226, in which "black alder" is give as the popular name of Rhamnus frangula, asks this is not an error, as "black alder" is the popular name of *Rex verticillata*. A. No; it is not an error, it one sense. If the popular names of plants were su ject to laws, the name "black alder" would, by the la of priority, belong to Rhamnus frangula, which, by th old herbalists, was called Alnus nigra, because, a Gerard observes, its "leaves be like those of the alder tree (the Alnus glutinosa of Europe), yet blacker. The name "alder" properly belongs to the species in cluded under the generic name of Alnus, a Latin ter cognate with the Teutonic, Scandinavian, and Sclavoni names of the common alder of Europe. The name "black alder" is properly applied in this country Alnus serrulata and A. incaua, and improperly to N mopanthes Canadensis and Ilex verticillata. To the la mentioned plant the name was applied by the ear English colonists. The reason for the application not obvious, since the plant is not an alder, resemble no species of alder, and is not black in any of its part The most conspicuous feature of the plant is its brig red berry-like drupes, which persist through the wint (as implied in the popular name "winterberry"), an which, one would suppose, would have recalled to the English mind the fruit of the common holly (Hex age folium) of the old country, a plant generally related our so-called "black aider." It must be remembered that the English names of plants given in medical work are not always popular, in the strict sense of the wor but are often merely translations of Latin names use by the older botanists, who were merely wont to cla sify plants rather by their external resemblances that by their botanical affinities.

(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 13 to 145 sp. gr. 2. One for preserving meats (made with boracic acid). A. 92 parts pure glycerine are heated to 302° Fah., and 62 parts of finely pulverized boracic acid are added. Steam is evolved in considerable quantities. An entire day is needed for the preparation of 6 pounds. Or 100 parts common borax may be dried completely and mixed with 150 parts glycerine at the above temperature. They are about twenty times as powerful as salt.

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, lif any nails are driven through the barrel into it, use fresh sweet milk, I one quart, put in barrel and stirred up, and then filtered, will make it clear as if fresh made. Try it on small quantity: say take vinegar and whisky and add a few drops of tincture iron; it will turn|black; thenadd your milk, and filter.—

• EDO. W. GULLICE.

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AND EACH BEARING THAT DATE

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	Table. See Grape trimming and packing table. Ironing table. Tank. See Flushing tank. Tapping mains, machine for, J. Brankey Telegraph apparatus, J. A. Parker Telegraph trunsmitter, S. W. Smith. Telephone, E. J. P. Mercadier Thermometer, oven, D. G. Cooper. Thermometer, oven, D. G. Cooper. Thrashing machine, G. Frick Thrashing machine, F. F. Landis. Tie. See Railway tie.	447,001 447,198 447,166 447,194 447,129 446,846 447,043 447,032
	Timber bending machine, Ranke & Yergens Time lock, electric, M. I. Flowers	447.202 446.967
	Timber bending machine, Ranke & Yergens Time lock, electric, M. I. Flowers	447.202 446.967
	Timber bending machine, Ranke & Yergens Time lock, electric, M. I. Flowers	447.202 446.967
	Timber bending machine, Ranke & Yergens Time lock, electric, M. I. Flowers	447.202 446.967
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	Timber bending machine, Ranke & Yergens Time lock, electric, M. I. Flowers	447.202 446.967
	Timber bending machine, Ranke & Yergens, Time lock, electric, M. I. Flowers. Tire tughtener, Hewitt & Buence. Tires and fellies of wheels of road vehicles, machine for drilling the, J. Faske. Tobacco and other substances, machine for cutting, H. Winterwerber. Tobacco hanker, W. J. Sculthorp. Tobacco hanker, W. J. Sculthorp. Tool sandle attachment, E. W. Fant et al. Toy, E. Del Valle. Toy, E. F. Simpson. Transmitter circuit, A. C. White. Transom lifter, J. J. Baker. Transom lifter, G. W. Hamilton. Tray, A. Wiggers. Triger, set. O. A. Bremer. Trolley wire hanger, Macloskie & Baker. Trolley wire hanger, Macloskie & Baker. Truck lubricator, locomotive, W. McIntosh. Trunk, W. G. Russell, J. Trunk lock, J. Krieger.	447.202 446.869 446.869 447.095 447.242 447.293 447.164 447.174 446.865 447.221 446.865 447.244 446.865 447.174 446.865 447.174 446.8680 447.052
	Timber bending machine, Ranke & Yergens, Time lock, electric, M. I. Flowers. Tire tughtener, Hewitt & Buence. Tires and fellies of wheels of road vehicles, machine for drilling the, J. Faske. Tobacco and other substances, machine for cutting, H. Winterwerber. Tobacco hanker, W. J. Sculthorp. Tobacco hanker, W. J. Sculthorp. Tool sandle attachment, E. W. Fant et al. Toy, E. Del Valle. Toy, E. F. Simpson. Transmitter circuit, A. C. White. Transom lifter, J. J. Baker. Transom lifter, G. W. Hamilton. Tray, A. Wiggers. Triger, set. O. A. Bremer. Trolley wire hanger, Macloskie & Baker. Trolley wire hanger, Macloskie & Baker. Truck lubricator, locomotive, W. McIntosh. Trunk, W. G. Russell, J. Trunk lock, J. Krieger.	447.202 446.869 446.869 447.095 447.242 447.293 447.164 447.174 446.865 447.221 446.865 447.244 446.865 447.174 446.865 447.174 446.8680 447.052
	Time lock, electric, M. I. Flowers. Time lock, electric, M. I. Flowers. Tires tightener, Hewitt & Buence. Tires and fellies of wheels of road vehicles, machine for drilling the, J. Faske. Tobacco and other substances, machine for cutting, H. Winterwerber. Tobacco hanger, W. J. Sculthorp. Tobacco hanger, W. J. Sculthorp. Tool handle attachment, K. W. Fant et al. Toy, E. Del Valle. Toy, E. F. Simpson. Transmitter circuit. A. C. White. Transom lifter, J. J. Baker. Transom lifter, J. J. Baker. Transom lifter, J. W. Hamilton. Tray, A. Wiggers. Tricker, set. O. A. Bremer Trolley line cross-over, S. H. Short. Truck lubricator, locomotive, W. Melntosh. Truck utvirk mechanism, car. C. W. Hunt. Truck utvirk mechanism, car. C. W. Hunt. Trunk, W. G. Riesell, Jr. Trunk look, J. Krieger. Tube, See Boiler water tube. Tug, Crabbs & Emens. Turn buckle, W. B. Middleton. Turn buckle blanks, roll for rolling, W. B. Mid-	447.202 446.967 446.969 446,856 447.052 447.052 447.164 447.244 447.174 446.912 447.246 447.047 446.912 447.051 447.051
	Time lock, electric. W. I. Flowers. Time lock, electric. W. I. Flowers. Tires tightener, Hewitt & Buence. Tires and fellies of wheels of road vehicles, machine for drilling the, J. Faske. Tobacco and other substances, machine for cutting. H. Winterwerber. Tobacco hanker, W. J. Sculthorp. Tobacco hanker, W. J. Sculthorp. Tool handle attachment, E. W. Fant et al. Toy, E. Del Valle. Toy, E. F. Simpson. Transmitter circuit. A. C. White. Transom lifter, J. J. Baker. Transom lifter, G. W. Hamilton. Tray, A. Wiggers. Triger, set. O. A. Bremer. Trolley wire hanger, Macloskie & Baker. Truck dupricator, locomotive, W. McIntosh. Trunk, W. G. Rissell, Jr. Trunk, Ock, J. Krieger. Tube, See Boiler water tube. Tug, Crabbs & Emens. Turn buckle, W. B. Middleton. Turn buckle, W. B. Middleton. Turn buckle w. B. Middleton. Turn buckle w. B. Middleton.	447.202 446.869 446.869 446.869 447.095 447.095 447.105 447.105 447.174 446.865 447.174 446.865 447.174 446.865 447.174 446.865 447.174 447.081 447.081
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	Time lock, electric. W. I. Flowers. Time lock, electric. W. I. Flowers. Tires tightener, Hewitt & Buence. Tires and fellies of wheels of road vehicles, machine for drilling the, J. Faske. Tobacco and other substances, machine for cutting. H. Winterwerber. Tobacco hanker, W. J. Sculthorp. Tobacco hanker, W. J. Sculthorp. Tool handle attachment, E. W. Fant et al. Toy, E. Del Valle. Toy, E. F. Simpson. Transmitter circuit. A. C. White. Transom lifter, J. J. Baker. Transom lifter, G. W. Hamilton. Tray, A. Wiggers. Triger, set. O. A. Bremer. Trolley wire hanger, Macloskie & Baker. Truck dupricator, locomotive, W. McIntosh. Trunk, W. G. Rissell, Jr. Trunk, Ock, J. Krieger. Tube, See Boiler water tube. Tug, Crabbs & Emens. Turn buckle, W. B. Middleton. Turn buckle, W. B. Middleton. Turn buckle w. B. Middleton. Turn buckle w. B. Middleton.	447.202 446.869 446.869 446.869 447.095 447.095 447.105 447.105 447.174 446.865 447.174 446.865 447.174 446.865 447.174 446.865 447.174 447.081 447.081
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	Time lock, electric, M. I. Flowers. Time lock, electric, M. I. Flowers. Tires and fellies of wheels of road vehicles, machine for drilling the, J. Faske Tobacco and other substances, machine for cutting, H. Winterwerber. Tobacco hanker, W. J. Sculthorp. Tobacco hanker, W. J. Sculthorp. Tobacco hanker, W. J. Sculthorp. Tool handle attachment, K. W. Fant et al. Toy, E. Del Valle Transom lifter, J. J. Baker. Transom lifter, G. W. Hamilton. Tray, A. Wiggers Trigger, set, O. A. Bremer Trolley line cross-over, S. H. Short. Truck upricator, locomotive, W. Melntosh. Trunk, W. G. Rinsell, Jr. Trunk look, J. Krieger. Tube, See Boiler water tube. Tug, Crabbs & Emens Turn buckle, W. B. Middleton. Twine, machine for making compound paper and Jute, J. W. Perkins Type writing machine, T. F. Bourne. Typewriting machine, T. F. Bourne. Typewriting machine, T. F. Bourne. Typewriting machines, ribbon feed reversing mechanism for, J. Pusey. Typewriting machines, type cleantog brushfor, F. Van Fleet. Vapors from foaming concentrated solutions.	447,822 446,855 446,855 447,082 447,082 447,082 447,124 447,12
	Time lock, electric, M. I. Flowers. Time lock, electric, M. I. Flowers. Tires and fellies of wheels of road vehicles, machine for drilling the, J. Faske Tobacco and other substances, machine for cutting, H. Winterwerber. Tobacco hanker, W. J. Sculthorp. Tobacco hanker, W. J. Sculthorp. Tobacco hanker, W. J. Sculthorp. Tool handle attachment, K. W. Fant et al. Toy, E. Del Valle Transom lifter, J. J. Baker. Transom lifter, G. W. Hamilton. Tray, A. Wiggers Trigger, set, O. A. Bremer Trolley line cross-over, S. H. Short. Truck upricator, locomotive, W. Melntosh. Trunk, W. G. Rinsell, Jr. Trunk look, J. Krieger. Tube, See Boiler water tube. Tug, Crabbs & Emens Turn buckle, W. B. Middleton. Twine, machine for making compound paper and Jute, J. W. Perkins Type writing machine, T. F. Bourne. Typewriting machine, T. F. Bourne. Typewriting machine, T. F. Bourne. Typewriting machines, ribbon feed reversing mechanism for, J. Pusey. Typewriting machines, type cleantog brushfor, F. Van Fleet. Vapors from foaming concentrated solutions.	447,822 446,855 446,855 447,082 447,082 447,082 447,124 447,12
	Time lock, electric, M. I. Flowers. Time lock, electric, M. I. Flowers. Tires and fellies of wheels of road vehicles, machine for drilling the, J. Faske Tobacco and other substances, machine for cutting, H. Winterwerber. Tobacco hanker, W. J. Sculthorp. Tobacco hanker, W. J. Sculthorp. Tobacco hanker, W. J. Sculthorp. Tool handle attachment, K. W. Fant et al. Toy, E. Del Valle Transom lifter, J. J. Baker. Transom lifter, G. W. Hamilton. Tray, A. Wiggers Trigger, set, O. A. Bremer Trolley line cross-over, S. H. Short. Truck upricator, locomotive, W. Melntosh. Trunk, W. G. Rinsell, Jr. Trunk look, J. Krieger. Tube, See Boiler water tube. Tug, Crabbs & Emens Turn buckle, W. B. Middleton. Twine, machine for making compound paper and Jute, J. W. Perkins Type writing machine, T. F. Bourne. Typewriting machine, T. F. Bourne. Typewriting machine, T. F. Bourne. Typewriting machines, ribbon feed reversing mechanism for, J. Pusey. Typewriting machines, type cleantog brushfor, F. Van Fleet. Vapors from foaming concentrated solutions.	447,822 446,855 446,855 447,082 447,082 447,082 447,124 447,12
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	Time lock, electric, M. I. Flowers. Time lock, electric, M. I. Flowers. Tires and fellies of wheels of road vehicles, machine for drilling the, J. Faske Tobacco and other substances, machine for cutting, H. Winterwerber. Tobacco hanker, W. J. Sculthorp. Tobacco hanker, W. J. Sculthorp. Tobacco hanker, W. J. Sculthorp. Tool handle attachment, K. W. Fant et al. Toy, E. Del Valle Transom lifter, J. J. Baker. Transom lifter, G. W. Hamilton. Tray, A. Wiggers Trigger, set, O. A. Bremer Trolley line cross-over, S. H. Short. Truck upricator, locomotive, W. Melntosh. Trunk, W. G. Rinsell, Jr. Trunk look, J. Krieger. Tube, See Boiler water tube. Tug, Crabbs & Emens Turn buckle, W. B. Middleton. Twine, machine for making compound paper and Jute, J. W. Perkins Type writing machine, T. F. Bourne. Typewriting machine, T. F. Bourne. Typewriting machine, T. F. Bourne. Typewriting machines, ribbon feed reversing mechanism for, J. Pusey. Typewriting machines, type cleantog brushfor, F. Van Fleet. Vapors from foaming concentrated solutions.	447,822 446,855 446,855 447,082 447,082 447,082 447,124 447,12
	Time lock, electric, M. I. Flowers. Time lock, electric, M. I. Flowers. Tires and fellies of wheels of road vehicles, machine for drilling the, J. Faske Tobacco and other substances, machine for cutting, H. Winterwerber. Tobacco hanker, W. J. Sculthorp. Tobacco hanker, W. J. Sculthorp. Tobacco hanker, W. J. Sculthorp. Tool handle attachment, K. W. Fant et al. Toy, E. Del Valle Transom lifter, J. J. Baker. Transom lifter, G. W. Hamilton. Tray, A. Wiggers Trigger, set, O. A. Bremer Trolley line cross-over, S. H. Short. Truck upricator, locomotive, W. Melntosh. Trunk, W. G. Rinsell, Jr. Trunk look, J. Krieger. Tube, See Boiler water tube. Tug, Crabbs & Emens Turn buckle, W. B. Middleton. Twine, machine for making compound paper and Jute, J. W. Perkins Type writing machine, T. F. Bourne. Typewriting machine, T. F. Bourne. Typewriting machine, T. F. Bourne. Typewriting machines, ribbon feed reversing mechanism for, J. Pusey. Typewriting machines, type cleantog brushfor, F. Van Fleet. Vapors from foaming concentrated solutions.	447,822 446,855 446,855 447,082 447,082 447,082 447,124 447,12
	Time lock, electric, M. I. Flowers. Time lock, electric, M. I. Flowers. Tires and fellies of wheels of road vehicles, machine for drilling the, J. Faske Tobacco and other substances, machine for cutting, H. Winterwerber. Tobacco hanker, W. J. Sculthorp. Tobacco hanker, W. J. Sculthorp. Tobacco hanker, W. J. Sculthorp. Tool handle attachment, E. W. Fantet al. Toy, E. Del Valle. Toy, E. Simpson. Transmitter circuit, A. C. White. Transom lifter, J. J. Baker. Transom lifter, G. W. Hamilton. Tray, A. Wiggers Trigger, set, O. A. Bremer Trolley line cross-over, S. H. Short. Trolley wire hanger, Macloskie & Baker Truck driving mechanism, car, C. W. Hunt. Truck lubricator, locomotive, W. McIntosh. Trunk, W. G. Rissell, J. Trunk lock, J. Krieger Turb. See Boiler water tube. Tug, Crabbs & Emens. Turn buckle blanks, roll for rolling, W. B. Middleton. Turn buckle blanks, roll for rolling, W. B. Middleton Twine, machine for making compound paper and jute, J. W. Perkins Twine reel, J. B. Holmes. Type dristributing holder, A. B. Adams. Typewriting machines, ribbon feed reversing mechanism for, J. Pusey. Typewriting machines, ribbon feed reversing mechanism for, J. Pusey. Typewriting machines, ribbon feed reversing mechanism for, J. Pusey. Typewriting machines, ribbon feed reversing mechanism for, J. Pusey. Typewriting machines, type cleantog brushfor, F. Van Fleet. Valve for water, steam, etc., W. Thomson. Vaporizer, J. P. Robert. Vapors from foaming concentrated solutions, method of and apparatus for separating, J. Patten Vehicle spring, D. M. & T. H. Parry Vehicle spring, D. M. & T. H. Parry Vehicle spring, D. M. & T. H. Parry Vehicle wheel, E. Woolson Velocipede, Archer, & Bowler Velocipede, Parcher, & Bowler Vending machine, coin-controlled, F. J. Wood,	447.822 446,855 446,855 447,048 447,042 447,042 447,042 447,043 447,044 447,04
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	TRADE MARKS.	
i	Ammonia preparations for medicinal purposes, Chemische Fabrik auf Aktien (vorm. E. Schering) Baking powder, E. F. Jones Chemical Compan	19,064
ĺ	Baking powder, E. F. Jones Chemical Company Beef, hog, and sheep products, including lard, fresh and cured, F. Whittaker & Sons Bitters, pale orange, J. H. Membrey	19.102
!	Button fasteners, Anchor Button Fastener Com- pany. Cement and plaster, Silicon Wall Plaster and	19,061
١,	Chemicals for increasing the combustion of fuel, Standard Coal and Fuel Company	19.100
	Cigars and tobacco, G. F. Davenport	19 ,067 19 ,071
1	wout Cutlery for household use, Landers, Frary & Clark Fabrics of cotton, wool, or mixed cotton and wool,	19.091
•	Smith, Hogg & Gardner	19,080

-	_
Face powder and prepared chalk, A. S. Stieger-	
wald	027
Feather dusters, C. Fisher	200
reather dusters, C. Fisher	000
Goods of wool, worsted, or hair, W. & H. Foster 19,	Upa
Gum, chewing, Adams & Sons	Uoo
Harrows and pulverizers, D. S. Morgan & Com-	
pany 19,	074
Hats and caps, J. Vimenet	084
Hose, belting, and packing for machinery, Revere	- 00
Rubber Company	(178
llot water heaters, Gurney Hot Water Heater	UIO
	חשח
Company	UIU
Liniments for the cure of rheumatism, neuralgia,	~~
	097
Litho-carbon, articles treated or coated with, L.	
Taylor 19,	083
Taylor	(162)
Oil, cotton seed, M. Liebman	073
Oil, illuminating, J. Ellis & Co	068
Pencils pen holders and cases erasers leads	
Pencils, pen holders, and cases, erasers, leads, slates, chalks, and similar stationery, J. Faber. 19,	098
Perfumery, soaps, washes, and lotions, W. S.	000
Thomas 101	004
Thomson	05.0
Petroleum, refined, Arkell & Douglas	UU
Pipes, tobacco and snuff boxes, match safes, cigar	
and cigarette holders, cigar cases, and tobacco	
pouches, W. Deniuth & Co	066
Plushes, Contrexeville Manufacturing Company 19,	
Remedies, certain-named, C. A. Purtle 19,	077

Memedies, certain-named, C. A. Purtle. Sheet iron and steel, and lead coated and tin plates, terne plates, and targers, E. P. & W. Baldwin. Sheet metal ware, enameled, J. Baumann's Wittwe Silver, articles made wholly or partly of, D. Low. Stove polish, J. R. Stoeckel.
Suppositories for female diseases, Victor Medical Association. Association 19,101
Tin plates, terne plates, and black plates, A. Baldwin & Company win & Company 19,089
Watch movements and cases, B. L. Strasburger &

Whisky, J. E. Pepper & Co. 19.079
Whisky, J. E. Pepper & Co. 19.075, 19.076
Whisky, E. Walters 19.085
Wrenches, screwdrivers, tack pullers, and similar tools, Capitol Manufacturing Company 19.083

DESIGNS.

Badge, D. L. Auld	
Bottle, J. W. Nicholson	
Flower frame, F. St effens	20,534
Hose reel bracket, S. J. Meeker	20,530
Match or ash receiver, H. L. Liebe	20,532
Match safe, L. Z. Anderson	20,526
Observatory, E. Eitel	20,523
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 1863, will be turnished from this office for 25 cents. In ordering please state the name and number of the patent desired, and remit to Munn & Co., 361 Broad-way, New York.

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. If complicated, the cost will be a little more. For full instructions address Munn & Co., 361 Broadway, New York. Other foreign patents may also be obtained.

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ROCK DRILLS AIR COMPRESSORS & GENERAL MACHINERY FOR MINING, TUNNELING, RAND DRILLCO 23 PARK PLACE NEW YORK

FORTY-SIXTH ANNUAL REPORT

NEW-YORK LIFE INSURANCE COMPANY

Office: Nos. 346 & 348 Broadway, New York.

JANUARY 1, 1891.

.....\$101,027,322.46 Amount of Net Assets, January 1, 1890..... Less Contingent Sinking Fund (reduced value in securities, December 31)...... \$100,458,797.35

REVENUE ACCOUNT.

\$28,863.854.71 1,853.645.37—\$27,223,209.34 5.371_235.38 441,344.64—4,929,890.74—\$32,158,100.08

DISBURSEMENT ACCOUNT.

Losses by death, and Endowments matured and discounted (including reversionary additions to same). additions to same).
Dividends (including mortuary dividends), annuities, and purchased insurances.
Total Paid Policy Holders. \$13,279,544.02
Taxes and re-insurances.
Commissions (including advanced and commuted commissions), brokerages, agency expenses, physicians' fees, etc.
Office and law expenses, rentals, salaries, advertising, printing, etc.

\$112,564,371.39 ASSETS. Cash on deposit, on hand, and in transit.

\$6.348.924.46
United States Bonds and other bonds, stocks, and securities (market value, \$67.250.984.74), 63.867.516.16
Real Estate.

14.341,917.35
Bonds and Mortgages, first lien on real estate (buildings thereon insured for \$15,000.00),
and the policies assigned to the Company as additional collateral security).

19.446.083.13
Temporary Leans (market value of securities held as collateral, \$5.391.511).

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10.460.00.00 1,431,828.15 195,812.91 474,823.52— \$112,564.371.39 Market value of securities over cost value on Company's books... 3,383,438.58

* A detailed schedule of these items will accompany the usual annual report filed with the Insurance Department of the State of New York.

TOTAL ASSETS, JANUARY 1, 1891, -Appropriated as follows:

Approved losses in course of payment.
Reported losses awaiting proof, etc.
Matured endowments, due and unpaid (claims not presented).
Annuities due and unpaid (claims not presented).
Reserved for re-insurance on existing policies (Actuaries' table 4 per cent. interest).
Reserved for premiums paid in advance.

From the undivided surplus, as above, the Board of Trustees have declared a Reversionary dividend to participating policies in proportion to their contribution to surplus, available on settlement of next annual premium.

GROWTH OF THE COMPANY DURING THE PAST DECADE.

Insurance in Force. New Insurance Issued. Annual Income In the year 1880...\$22,229,979 In the year 1885...68,521,452 In the year 1890...159,576,065 Jan. 1, 1881.... \$13-5,726,916 Jan. 1, 1886.... 259,674,5**0**0 Jan. 1, 1891... 569,338,726 Jan. 1, 1881.... \$43,183,934 Jan. 1, 1886.... 66,864,321 Jan. 1, 1891.... 115,947,810

Number of policies issued during the year, 45,754. New Insurance, \$159,576,065. Total number of policies in force January 1, 1891, 173,469. Amouut at risk, \$569,338,726

TRUSTEES.

WILLIAM H. APPLETON WILLIAM H. BEERS, WILLIAM A. BOOTH, HENRY BOWERS, JOHN CLAFLIN,

ROBERT B. COLLINS, H. C. MORTIMER, WALTER H. LEWIS, EDWARD MARTIN,

RICHARD MUSER. C. C. BALDWIN, E. N. GIBBS,

W. F. BUCKLEY, HENRY TUCK, A. H. WEICH, W. B. HORNBLOWER, JOHN N. STEARNS, L. I. WHITE.

THEODORE M. BANTA, Cashier, A. BUNTINGTON, M.D., Medical Director.

ARCHIBALD H. WELOH, 2d Vice-President. RUFUS W. WEEKS, Actuary. THE PUBLIC WANT their seed fresh and true. Would

1891 TATOCIE 1881

they not be most likely to obtain such by buying directly from the grower? I can buy seed at half what it costs me to raise it but could not sleep sound should I warrant seed of this class. For but could not sleep sound should I warrant seed of this class. For the same reason I make special effort to produce seed stock directly from their originators. You will find in my new seed catalogue for 1891 (sent free) the usual extensive collection (with the prices of some kinds lower than last season), and the really new vegetables of good promine. You should be able to get from me, their introducer, good seed of Cory Corn, Miller Melon, Hubbard Squash, all Seasons and Deep Head Cabbages, and many other valuable vegetables.

WILLIAM H. BEERS, President.

HENRY TUCK, Vice-President.

JAMES J. H. GREGORY, Marblehead, Mass.

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Complete line for all uses shown in new illustrated catalogue, free to all.

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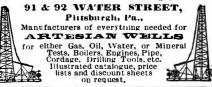


Important Improvements.
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All type cleaned in 10 seconds without soiling the hands.

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Price 10 cents. To be had at this office and of all news-



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5,400,061.19 1,**68**2,662.8**6**— \$20,052,526.04

\$115,947,809.97

\$101.049,359.11

\$14,898,450.86

WM. L. STRONG.

290.257.97

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