

**SYNTHETIC SUN TO MAKE BABES STURDY**

**Light, Strong in Violet Rays, Spurs Growth.**

Orono, Me.—Artificial sunlight, powerful in ultraviolet or health-giving rays rather than in light or heat intensity, obtained by use of a fused quartz mercury vapor arc lamp, has been used with startling results on young chickens at the University of Maine.

The tests prove that rickets in children is caused largely by the absence of direct sunlight, and the rays are expected to do much in combating this disease. The findings are also to show results in an educational way by teaching the value of outdoor life, particularly in rearing children. They may also reveal factors influencing the growth of children.

Experiments, conducted by Dr. C. O. Little, president of the university, and Dr. W. T. Bovie, professor of biophysics at the Harvard Medical school, in co-operation with the General Electric company on a brood of pedigreed chicks, reveal that not only larger and stronger chicks can be raised under the artificial sunlight, but that chicks raised under natural sunlight, filtered through ordinary window glass, developed weak legs and rickets, weighed but one-fifth as much as the others, and died unless a change in living conditions was made.

Ordinary window glass is opaque to ultraviolet rays and it was the absence of the actinic or health giving rays which resulted in the marked under-development of the chicks.

Babies of poor families brought up in dark alleys and crowded tenements and rich children brought up in homes where windows are closed and all sunlight is filtered through glass develop rickets, and according to Doctor Bovie, this is one of the chief causes of bow legs, which most mothers believe result from allowing the child to stand on its feet or walk too early in life.

"Autopsies on babies in Dresden showed that of those which were born in the fall and died in the spring, 98 per cent had rickets," Doctor Bovie said. "However, of those born in the spring and who died in the fall only a small percentage had rickets. The babies born in the spring were outdoors in the sunlight during the summer and therefore were not deprived of the ultraviolet rays in the sun."

"The importance of these recent experiments with chickens would be very great if they were only applicable to the raising of chickens. They are quite as applicable to the production of eggs and, more important still, they are applicable to the rearing of our own children, for rickets is a disease of calcium metabolism and can be cured by proper exposure to the ultraviolet light."

**Little Roy Haller Is for "Safety First"**



Little Roy Haller, four years old, of Washington, D. C., doesn't believe in taking unnecessary chances while trying his first pair of roller skates, so he equipped himself with "shock absorbers," front and rear, in the form of pillows.

**More Accuracy Claimed for New Ship's Log**

Stockholm—An interesting invention for the accurate indicating of the speed of ships, and the recording of the distance sailed, has been perfected in Sweden, and the functioning of the instrument was demonstrated recently before a meeting of the Swedish Ship-owners' association.

The new log operates with a margin of error of less than 1 per cent, compared with an error of as much as 10 per cent in the case of some other logs ordinarily used by merchant vessels.

It is based on the principle that the pressure of water from the direction toward which movement is made, varies with the speed of the vessel. Extending down through the bottom of the vessel is a tube with an opening on the forward side near the lower end. The water level inside this tube varies more or less above sea level according to the speed of the ship, and the indicating mechanism has electrical connections with the bridge which enable the navigator to tell instantly the speed of the ship and the distance sailed.

# BIG BIRTHDAY BARGAINS

Celebrating the 22<sup>nd</sup> Year of Rexall

Few things are more inspiring than the development of an institution which gives employment to thousands of people, and meets, with high quality merchandise, a general demand. When that institution also renders a public service, the joy and pride of those associated with it is by so much increased. Such an enterprise is the United Drug Company—the co-operative, manufacturing organization of The 10,000 Rexall Stores.

To celebrate, fittingly, the Twenty-second Birthday of this great public serving enterprise, we, in common with thousands of other Rexall Druggists, have set aside

Ten Days—  
February 19 to 28

for a nation-wide Bargain Sale. During this sale we offer you unusual bargains on fully ninety leading items—all of the highest quality and absolutely guaranteed by us. You will note that many of these items of common use in the household, giving you a remarkable opportunity to effect substantial savings.

The Record of  
Twenty-Two Years' Growth

In the short span of years since the Rexall Idea of Co-operation was born, the 40 original Rexall Stores have increased to 10,000. These 10,000 Rexall Stores own and operate, in the production of exclusive, trademarked merchandise, factories employing 10,000 people and containing over fifty acres of manufacturing floor space. In the United States alone, this co-operative enterprise—the United Drug Co.—has an annual business of \$70,000,000.

This wonderful achievement has been made possible by the confidence and good-will of the people, who in hamlet, village and city instinctively seek The Rexall Store, when in need of drug store merchandise.

Rexall Druggists  
Give Quality and Service

Before a man can become a Rexall Agent, he must prove that he is financially responsible, that he understands the professional aspects of pharmacy, that he is a progressive merchant, and above all, that he is a man whose integrity has never been questioned.

The Rexall Stores, individually and collectively, guarantee every item they sell, that is manufactured by the United Drug Company, in which their money, knowledge and experience are invested. They are giving to the American public to-day a standardized service so that wherever you trade at a Rexall Store, the quality of your purchase is definitely fixed and absolute satisfaction is guaranteed.

Join in Our  
Birthday Celebration

The merchandise for this sale has been carefully selected to give you maximum savings, and to prove to you anew that your local Rexall Store is not merely a single store but an integral part of the greatest co-operative chain of retail service stations in the world. We are partners in an organization, whose members have obligated themselves to remember the Golden Rule in all their dealings, giving you such values and such service as they would receive from you, if the positions of distributor and consumer were reversed.

Many other items, too numerous to mention, will be on sale—we are making this a real Birthday Celebration and you should take advantage of savings offered.

## The Bargains

Candy	Family Medicines
50c Superfine peppermint patties.....39c	25c Rexall catarrh jelly, 5-8 oz. ....21c
35c Liggett's milk chocolate, 1/2 lb. bar 25c	60c Rexall liver salts, 6 oz. ....47c
60c Liggett's Elect package, 1/2 lb. ....50c	50c Cascara ext. tablets, 5 gr. 100's 33c
65c Liggett's sentiment package, 1/2 lb. 60c	25c Phenolphthalein laxative tablets
60c Liggett's silver and blue package	36's .....19c
1/2 lb. ....50c	25c Zinc oxide ointment, 1 oz. ....19c
35c Liggett's Almond Bar, 1/2 lb. ....29c	50c Cascara compound, Hinkle's .....39c
	60c Sodium phosphate, 4 oz. ....47c
Toilet Goods	25c Rexall dyspepsia tablets .....19c
25c Jonteel soap given away with	25c Rexall carbolic salve (tube) .....19c
Jonteel cold cream face powder at 50c	25c Little liver pills, 100's .....19c
50c Rexall "93" hair tonic.....39c	\$1.00 Cod liver oil emulsion .....79c
50c Klenzo dental creme.....39c	25c Rexall corn solvent .....19c
60c Arbutus complexion cream.....47c	\$1.00 Rexall syrup hypophosphates...79c
50c Harmony cocoa butter cold cream 39c	65c Comp. cherry bark cough syrup...49c
65c Bay rum, 8 oz. ....49c	65c White pine and tar cough syrup 49c
\$1.00 Cara Nome tale.....79c	\$1.00 Peptona .....79c
10c Rexolive soap, per doz. ....93c	
\$1.00 Georgia rose body powder.....89c	Firstaid Products
\$1.25 Persian toilet water.....93c	50c Quick acting plaster .....39c
\$1.25 Georgia rose toilet water.....93c	25c Tinker tape .....19c
25c Jonteel Taleum.....19c	50c Tinker tape .....39c
50c Lemon cocoa butter lotion.....39c	35c Kidney plaster .....23c
65c Rexall shaving lotion.....49c	25c Belladonna plaster .....19c
35c Rexall shaving cream.....23c	25c Belladonna & Capsicum plaster...19c
\$1.00 Truflor toilet water.....79c	25c Capsicum plaster .....19c
Puretest Products	Sundries and Stationery
30c Glycerine and rose water.....23c	35c Tooth brushes .....19c
35c Aspirin tablets .....27c	90c Cascade linen .....59c
30c Castor oil .....23c	(1 lb. paper and 50 envelopes)
25c Boric acid, 4 oz. ....19c	60c Lord Baltimore portfolio .....45c
30c Glycerine, 4 oz. ....23c	\$1.00 Arterraft pound paper .....79c
25c Glycerine suppositories, infants...19c	40c Wyndmoor envelopes .....29c
\$1.00 Mineral oil, Russian type.....69c	\$1.25 Arabesque stationery .....79c
15c Sulphur, 8 oz. ....13c	25c Jonteel wool powder puff .....15c
25c Tincture iodine .....19c	15c Jonteel velour powder puff .....10c
35c Cream of tartar, 4 oz. ....23c	\$2.50 Kantleek hot water bottle,
25c Epsom salt, 16 oz .....15c	2 qt. ....\$1.98
15c Soda bicarbonate .....11c	\$2.50 Kantleek fountain syringe,
50c Camphorated oil, 4 oz. ....37c	2 qt. ....\$1.98
75c Rubbing alcohol, 16 oz. ....57c	\$2.00 Maximum hot water bottle...\$1.49
50c Witch Hazel, 8 oz. ....39c	\$2.00 Maximum fountain syringe...\$1.45
50c No. 6 disinfectant, 16 oz. ....39c	25c Elkay straw hat dye .....19c
	Special reductions on box stationery
	at various prices.

## Pure Food Products

Liggett's Olive Oil, 12 1/2 oz. ....	79c
Symond's Inn Vanilla Extract, 2 oz. ....	2 for 51c
Symond's Inn Lemon Extract, 2 oz. ....	2 for 41c
Symond's Inn Chocolate, 1 1/2 lb. ....	2 for 28c
Liggett's Grape Juice, pints.....	31c

## KEM'S for DRUGS

C. J. KEM Prop. The REXALL Store Cottage Grove sixth and Main