

CHICAGO HAS WONDER LAND

Modern Safety Devices Undergo Severe Tests in Flaming Infernos

CHICAGO, Dec. 2.—(By the Associated Press)—An iron telephone pole swinging from the roof like a giant pendulum hit a stationary automobile bumper and bent it badly. Then a derrick lifted a red hot steel safe high above a third floor roof and dropped it on a pile of brick bats far below.

The day's work had begun at the Underwriter's Laboratories, Inc., a topsy-turvy land wider than Alice in Wonderland ever dreamed of—a place where experts burn and smash and break the creations of other experts, all to make life and property safe.

Severe Test Made
The flowing safe, fresh from a furnace with a temperature of 1700 degrees, failed to break under the strain of the long drop, so scurrying workmen bundled it back into the oven for another hour's cooking. If it survives that they will chisel, burn and smash their way into its compartments, and if the books and papers there are found in good condition the manufacturer may attach an "Underwriter's Laboratories, Inc." label to his product. Upstairs a little automatic machine is sticking keys in automobile locks—three locks at a time—unlocking them, locking

GENUINE LUGER

GERMAN LUGER
Automatic
SPECIAL LOW PRICE \$19.98
OFFICIAL German Army and Navy Gun
Two Cents more and FREE
German Extra Magazine
Lugs in less than 5 seconds. Automatic ejector, safety, perfect grip and perfectly balanced. This is a very rare pocket machine gun that can be dismantled without tools. These guns were imported before present tariff went into effect. Only one left before price advances. Guaranteed new.
SEND NO MONEY Pay postman \$2.00 plus tax, collect on delivery.
GENUINE GRAUSER AUTOMATIC
33 CAL. NAUSER \$14.00
33 CAL. NAUSER \$14.00
Based on money. Pay postman on arrival.
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them again and then withdrawing the keys. An automatic counter records its operations. The locks must stand the strain of 50,000 similar operations.

Room is Inferno

In the heat testing rooms the flames are seeping through the cracks of a wood lined, metal covered fire door, built into the brick front of a furnace. Nearby an attendant with electric recording device is studying what is happening in the 1600 degree inferno behind the red hot door. Suddenly the entire furnace front, door and all, rolls away on an overhead track and a workman plays a two inch fire hose over the glowing door. The color dies away, inside the metal covering is a mass of charcoal, but the steel plates have withstood an hour's baking without letting sufficient fire through to ignite anything beyond the door.

Theories Are Tried Out

Nearby a cement covered steel pillar, such as is used in modern buildings, is being installed in a tall furnace by brickmasons. Its base rests on solid concrete. High above a gigantic hydraulic press clamps down, applying an enormous pressure. The furnace front is sealed, the gas turned on, the heat gradually rising until, at the end of eight hours it will reach 2300 degrees. If the pillar still stands, the hydraulic press, with a minimum power of 545,000 pounds to the square inch, will be turned loose to crush it.

From the tangled debris experts will construct the theories on which fireproof pillars are to be built.

Working Full Blast

Topsy-turvy land is working at full blast. In the roof testing room the testers have completed a miniature roof of patent composition shingles. A gas flame at the end of a long wind tunnel sweeps up over the eaves and plays along the roof surface. Asphalt in the roofing catches fire, but when the blast is shut off the flames die out. The roof has passed the test and would resist the usual flying brands from other burning buildings.

In addition to the big three story laboratories here, covering half a city block, an electrical laboratory is maintained in New York to pass on the efficiency of electrical apparatus. A similar laboratory here deals with the fire resisting qualities of insulated parts.

As the burning roof dies out a workman pours five gallons of gasoline into a nearby tank and lights it. Up above an automatic valve opens and fills the tank with a foamy chemical, smothering the fire.

A party of visitors is coming

down the hall. An engineer builds a small fire on the tile floor. The flames crackle for a minute or two. Then an automatic fire door, which functions if the temperature changes 10 degrees in two minutes, closes, an automatic sprinkler head blows off and the fire is out.

The Underwriter's Laboratories, Inc., was founded by W. H. Merrill, its president, with funds furnished by the national board of fire underwriters. The institution is self-supporting through nominal testing fees, and the service charge for factory inspection and the sale of its labels, which are familiar on hundreds of different devices.

Merrill is Veteran

Mr. Merrill, who came to Chicago in 1894 as chief electrical inspector of the World's fair, originally started a testing laboratory to standardize electrical equipment. Now there are laboratories here devoted to fire protection devices, hydraulic and fire fighting equipment, gases and oils, chemicals, electricity and signals, automotive parts, safety devices for machinery, and an aviation section which passes on the safety of aeroplanes and the qualifications of pilots. Major R. W. Schroeder, former holder of the world's altitude record, is in charge of the latter work.

Electrical Laboratory Used
In addition to the big three story laboratories here, covering half a city block, an electrical laboratory is maintained in New York to pass on the efficiency of

CURED HIS RHEUMATISM!

"I am eighty-three years old and I doctored for rheumatism over since I came out of the army, over 50 years ago. Like many others, I spent money freely for so-called 'cures' and I have read about 'Uric Acid' until I could almost taste it. I could not sleep nights or walk without pain; my hands were so sore and stiff I could not hold a pen. But now I am again in active business and can walk with ease or write all day with comfort. Friends are surprised at the change. You might just as well attempt to put out a fire with oil as try to get rid of your rheumatism, neuritis and like complaints by taking treatment supposed to drive Uric Acid out of your blood and body. I took Mr. Ashmead's fifty years to find out the truth. He learned how to get rid of the true cause of his rheumatism, other disorders, and recover his strength from 'The Inner Mysteries,' now being distributed free by an authority who devoted over twenty years to the scientific study of this trouble. If any reader of The Statesman wishes, 'The Inner Mysteries of Rheumatism,' containing facts overlooked by doctors and scientists for centuries past, simply send a post card or letter to H. P. Clearwater, No. 651-C Street, Hallowell, Maine. Send now, lest you forget! If not a sufferer, cut out this notice and hand this good news and opportunity to some afflicted friend. All who send will receive it by return mail without any charge whatever."

electrical apparatus. A similar laboratory here deals with the fire resisting qualities of insulated parts.

In addition to the original test the laboratory follows up all labeled products by testing samples purchased in the open department or received from users from time to time. The automobile lock department alone, passing on locks which, by their use, decrease insurance premiums, examines thousands of samples yearly.

An inventor appeared at the laboratories recently to have a new automobile lock which he had perfected tested. Besides what he believed to be an absolutely burglar proof lock, he had equipped his car with a signal device intended to blow if any one tampered with the machine.

While he was arranging for the test an assistant in the laboratory went outside, picked the lock and hid the car. The inventor was satisfied with the demonstration of the laboratory's efficiency.

AGE AND BEAUTY

The veteran Georges Clemenceau says that the American women are even more beautiful than they were when he lived here 50 years ago. Does the gallant Frenchman mean the same women? The beauty parlors have certainly been doing some wonderful work.



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Cooperation

When you open an account with this bank you automatically enlist the combined cooperation of all our officers and directors, no matter whether your account be large or small.

We have found that one of the best ways to make our bank grow is to help our customers to grow.

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REALTY EXCHANGES

Reported by Union Abstract Company.

Cassie Hicks, to P. R. Humphreys, lots 1, 2, 3, 4, block 4, Hollister's annex No. 1 to Stayton, Marion county, \$10.

J. Bauman, to C. C. Walker and wife, part of lot 16, block 1, Willamette Addition to Salem, \$10.

J. Gildow, to M. and W. C. Gildow, lot 21, Phelps addition to Silverton, \$1.

N. P. Olson and wife, to A. E. Chenoweth and wife, lots 40 and 41, Hampden Park addition to Oregon, \$10.

M. J. Cross to G. W. Thompson and wife, lots 11 and 12, block 10, Highland addition to Salem, \$1.

D. S. Goode to M. M. Goode, land in C1 38-8-2W., Marion county, \$10.

E. B. Morcom, to E. Courand and wife, land in C1 42-5-5W., Marion county, \$10.

E. A. Dugan and wife, to M. R. Dunigan and wife, land in C1 47-7-2, W. Marion County, \$10.

F. Armprist and wife, to M. M. Goode, land in C1 46-7-3W., Marion county, \$10.

The First Methodist Episcopal church of Salem, to the Methodist Old Peoples' Homes of Salem, Marion county, part of block 36, University Addition to Salem, \$1.

E. M. Vandevort, et al, to G.

P. Litchfield, et al, part of block 36, University addition to Salem, \$75.

D. Samuel and wife, to E. C. Buch and husband, part of lot 4, block 28, Salem, \$10.

C. R. Coffin, to W. F. Fitzke, lot 3, block 6, Cowing's addition to Silverton, Ore, \$225.

J. T. Turner and wife, to O. M. Gray, land in C1 72-7-2W., Marion county, \$1.

O. M. Gray, to J. T. Turner and wife, land in C1 72-7-2W., Marion county, \$1.

Charles J. Bartruff and wife, to L. M. Bartruff, land in C1 72-7-2-W, Marion county, \$10.

M. N. Chapman and wife, to F. Noll, lot 5, block 29, City of Salem, Marion county, \$1850.

E. Wirtz, to J. J. Wirtz, lot 4, Parvin Acre Tracts, Marion county, \$1.

W. W. Fawk and wife, to J. W. Bellamy and wife, part of lot 5, block 29, City of Salem, Marion county, \$3500.

H. Helmer, to H. R. Crawford, land in C1 45-9-2-W, Marion county, \$1.

R. D. Gray, to H. R. Crawford, land in C1 45-9-2-W., Marion county, \$1.

J. Wirtz to J. J. Wirtz, land

in C1 26-5-1-W, Marion county, \$2650.

R. Claxton and wife, to G. R. Claxton, land in C1 26-5-1-W, Marion county, \$10.

J. Johnson and wife, to L. J. Adams, land in C1 43-8-1-W, Marion county, \$10.

W. H. Drake and wife, to L. J. Adams, land in C1 63-6-1-W, Marion county, \$1.

It has even figured out that 95 per cent of the money in the country passes through the hands of the women. And, brother, do you know of anybody with nerve enough to even try to stop it

Extra Special "Quality Brand" Aluminum Ware Sale

\$1.98 each While They Last \$1.98 each

SALE STARTS
MONDAY,
DEC. 4



8-inch Casserole



Octagon Tea Pot, with Tea Basket



Combination Cooking Set



Round Roaster

Through a most fortunate purchase we are able to offer the housewives of Salem these remarkable bargains. The best values ever offered in Aluminum Cooking Utensils are included in this lot. Our supply of this modern, sanitary kitchenware is limited. To avoid disappointment we urge you to be at our store promptly at 7 a.m. to secure the articles you desire.

These Goods Make Splendid Xmas Gifts

SALEM HARDWARE CO.
SALEM, OREGON

PEOPLE WANT SHOES

Has been demonstrated by the Great Rush that has continued all through this Sale. We have decided to continue the following Ridiculously Low Prices all of this coming week until Saturday, Dec. 9th, so you will have Six More Days to take advantage of these prices.

Ladie's Dress Shoes

One lot of Black, Brown and Colored Dress Shoes, that were \$7.50, \$9.00 and \$10.00. Broken lines but all sizes in the lot.

\$1.95

Ladies' High-Grade Shoes

Black, Brown and Colored Kid Shoes. High and military heels, all sizes, that were \$9.00, \$10.00 and \$12.00. Suitable for dress or street wear.

\$4.95

Ladies' Street Oxfords

Black and Brown Calf and Kid Oxfords. New round toes and low heels. All sizes and widths. New Stock. Very desirable for street wear.

\$4.95

Men's Dress Shoes

Brown and Black Calf, English last. Broken lines of shoes that were \$8.00, \$10.00 and \$12.00. Good Styles, all sizes.

\$5.95

Ladies' Slippers

Kid and Patent Calf Slippers and Pumps. Values to \$10.00

\$5.95

House Slippers

Ladies' Felt Slippers. Comfy soles. \$2.00 Values.

\$1.35

Boy Scout Shoes

Brown and Black. Sizes 2 1/2 to 6. Regular \$5.00

\$3.95

Men's Oxfords

Black and Brown Calf Oxfords. Regular \$10.00 and \$15.00

\$6.95

Men's Work Shoes

Heavy Brown and Black Work Shoes. Regular \$5.00

\$2.95

Men's House Slippers

Heavy Felt, Comfy Soles. All Sizes. Regular \$2.50 Value

\$1.35

Boy's High Tops

Sizes 11 to 2. Regular \$6.00

\$3.95

Sizes 2 1/2 to 6. Regular \$7.00

\$4.95

Dayton High Tops

Brown 12-in. top. Regular \$12.00

\$7.95

Brown 16-in. top. Regular \$15.00

\$8.95

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The best repair work in the city. We have put in all new machinery and have the best man in the city. Try us once. If it is not the best repair work you ever had we will not ask another chance.



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Dr. Williams, expert foot specialist. Consultation free. Consult him about your feet. He removes corns, treats bunions and fits arch supports. All foot troubles scientifically treated.