HOUSES THAT WILL NOT BURN ARCHITECTURAL REVOLUTION

MONDAY MORNING

Montreal Now Producing Timber and Lumber That is Non-Flammable—Practically a New Building Material.

Leading Architects, Insurance Men and Naval Authorities Unite in Declaring the Discovery a Great Step of Advancement—Something About How Wood is

oce apparent. Frame buildings have aleproof buildings of iron and steel have ery vulnerable. A great deal of wood in dow sashes and doors has to be used in the



entirely to the combustible furniture in the room, wherein it occurred.

The "Electric Fireproofing" process is no longer in an experimental stage. It has been approved of by architects, insurance men, financiers and by the municipal, government and naval authorities in Great Britain, the United States, Canada and other countries, and is being fast brought the treated wood prove itself non-combustible, but it also showed itself to be a remarkable non-conductor of heat.

Interior a Fiery Furnace.

ESTABLISHED 1843.

SCORES'

Those identified with the process on two

But the test on the outside was not

ESTABLISHED 1843.

When Greek Meets Greek

In other words when a smart dresser meets another smart dresser, there's sure to be a comparison of tailors—this comparison is invariably complimentary to us. Chesterfield Overcoats, special price \$22-Oxford and Cambridge grey Cheviot-latest and most correct style.

R. SCORE & SON.

Tailors and Haberdashers, - - - 77 King St West

visitors had an opportunity of the place.

And they found the house intact. Those portions of the building with which the flames had actually come into contact vere charred or carbonized, but beyond these portions of actual contact the effect of portions of actual contact the effect of the flames did not extend. In the interior of the building, the walls, floor and cell-ing were only charred. The flames had carbonized the walls, but they had not succeeded in setting the building on fire. The fire had died a natural death, so scon-as the kindling and cordwood was con-

sumed.

The result of the trial was to demonstrate to all present that, in a building constructed of electric fireproof wood, the fiercest fire can be confined to the room in which it breaks out.

Architects Endorse It.



wherein structural steel is employed may be protected by putting the lumber used in the floors, window sashes, doors, etc., and the furniture they contain through the treatment referred to.

I would specially draw attention to the floors, window as about the floor of the putting the lumber. The would specially draw attention to the floor of the floor of

An Insurance Man's Views.

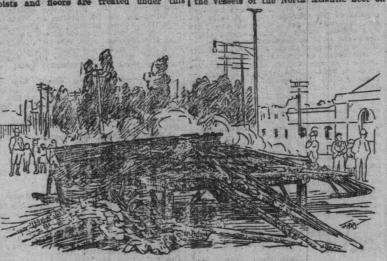
Mr. E. P. Heaton, manager for Canada of the Guardian Fire & Life Assurance Co., Limited, of London, England, who was present at the Montreal test, on being seen by The World, asked to be excused from an interview and suggested that he from an interview, and suggested that he would prefer to express his views in writing. Mr. Heaton subsequently handed in the following statement, to take the place

ing. Mr. Heaton subsequently handed in the following statement, to take the place of the interview sought of him:

"There can be no doubt as to the successful test the fireproof wood was put to on the Champ de Mars; whatever doubt there might have been in the minds of the spectators before the torch was applied as to the ability of the one structure to stand where the other was to succumid (and I myself must confess to having had) serious misgiving on the point) such doubt or unbellef was quickly set at rest, for, in the one case, one could plainly see the flame resisted, whereas, in the other, the flames momentarily gathered fury, until the (whole was consumed. What struck me at this test was the spirit, of absolute confidence that characterized those in charge of the structure constructed of the fireproofed wood; their all was staked on the issue, and yet, apparently, not one of them doubted the outcome; as the readily combustible material was plical alongside and undernenth, there was plainly an invitation to the fire to do its worst, and when this was reinforced and redoubled with an equalty raging fire inside, one almost doubted the sanity of men who dared to suppose they could place a check on the ravages of an element that, has so far resisted man's most elaborate with the flames. It also greatly improves the structure companies may event the flames. It also greatly improves the process, and the Commercial Cable Building is not to the buildings in this city wherein the prince of constant wear upon a wooden that the was convinced by watching the great at was possible and vastly improve the stairway built of electric fireproof wood and vastly improve the stairway built of electric fireproof wood and vastly improve the stairway built of electric fireproof wood and vastly improve the stairway built of electric fireproof wood as ordered by the owner as some protection in case of the flames in the process. The result was builtings fire inspired to the visual process of a mosphere, they have never warped or shr

Electric Fireproofed in the City of Montreal—Interesting Tests.

Montreal, Sept. 21.—(From The World's Special Correspondent)—"Wood that will be proporty, which the special Canal through which the severity of the trial by conditions of the proporty which the special Canal Carlinas for the the more there is in existence, and the more there is in existence, and the more there is in existence, and the more t



lumber and the injection of a chemical mixture into the interstices of the wood thus made vacant. The chemicals used are sulphate and phosphate of ammonla. These are placed in solution in a huge circular tank in the mixing room, and into the tank is injected a column of steam. The solution is thus thoroly mixed, and it is then filtered and drained into three storage tanks, containing 27,000 gallons each, and all situated in the cylinder room, an adjoining chamber. This chamber is 123 x 32, and in it are located two cylinders, each 105 feet long x 7 feet in diameter and each capable of handling a charge of 15,000 feet of lumber.

The lumber to be treated is piled in the yards and conveyed thence on cars along series of tramways to the cylinders. The cylinder doors are shut and the lumber is subjected alternately to steam pressure and vacuum effects. This process opens up all the fibres and tissues of the wood and renders it porous. At this juncture

should be company let me say their chance of future success may at the outset of their career be impaired or killed by knowingly permitting a partial equipment to pass for a freproof building. I opine that at the outset business may not be too brisk with the company (with all new shings in a northern country, progress will be slow), and great will be the temptation to sell their product without asking too many questions, but the interest of the people and the favor in which the use of the wood may be viewed by the insurance companies alike demand that nothing else be tolerated or allowed to pass muster.

That the electric process does something for the wood besides freproofing it is an important consideration. An eminent United States autherly is quoted as cettifying that "compared with ordinary wood the treated wood in its general utility does not appear to be more difficult to saw or plane, and has no extraordinary effect on the tools used. It is also equally capable with ordinary wood the treated wood in its general utility does not appear to be more difficult to saw or plane, and has no extraordinary effect.

Fructed, Mr. Brainerd, C.E., an eminent of the general good qualities of the wood treated.

Further, Mr. Brainerd, C.E., an eminent clust.

Decorations Are the order of the day. We are showing Flags on

Sticks-Plain Color, Trio-Color, Ensign and Union Jack Buntings. Filling letter orders

John Macdonald & Co., Wellington and Front Streets East,

If you want to bor-Money row money on household goods, pianos, organs, horses and wag-Money ons, call and see us. We will advance you Money up same day you apply for it. Money can be Money paid in full at any paid in run time or in six or twelve monthly pay-Money ments to suit borrower. We have an entirely new plan of lending. Money Call and get our terms.

The Toronto Security Co. Address Room 10, No. 6 King West. Phone Main 4233.

McLAUGHLIN'S HYGEIA

used at dinner as a pleasant aid to digestion. Sold by all druggists and grocers. 1367

October China Sale

The China Department announces a movement today that offers exceptional opportunities to housekeepers, home turnishers, buyers of wedding gifts and those who buy Christmas presents now and lay them away

For months we have been making preparation for this sale, and have gathered together a collection which leaves nothing desirable unprovided.

China and glass factories in England, France, Germany, Austria and America have each sent their choicest artistic productions for your inspection.

Great wagon loads of crates, casks, vases and hogs. heads bearing peculiar foreign marks have been piling daily up in our receiving room, most of them containing goods that would not be wanted ordinarily till holiday time, but, in order to lighten the Christmas rush, we will sell these goods during October at

A Third to a Half Under Price

All of the goods in the collection are new this season, and the savings greater than in our best previous

October China Sale prices go into effect all over the department on Tuesday morning. We cannot begin to enumerate the many buying chances. Judge



Lauternier's Limoges China Sets, 102 pieces, decoration moss rose and gold stippied, reg. \$25.00, Oc-tober china saie, \$18.75.

White and Gold China Cups and Saucers, with clover leaf, regular \$1.20 dozen, October china sale, doz., \$1.00.

Rain Coats

Fall Clothing for Men and Boys

Our Clothing Department contains everything you will need for cooler weather at prices ONE-THIRD less than ordinary outside prices. For instance-

\$16 Rain Coats for \$9.95

It will pay a man to look over our clothing stocks, and the mother of growing boys, too. 35 only Men's Fine Cravenette Rain Coats and Fall Over-



coats, made up in the new Raglan, Raglanette and Chesterfield styles, long, full skirt, vertical pockets and cuffs, deep facings, seams stitched with facings, seams stitched with silk and piped, the shades are fawn, dark Oxford grey and navy blue, sizes 36-44, these are the balance of lines that sold at \$12.50, \$14 and \$16, your choice Tuesday morn-

ing at. (See Yonge Street Window.)

Boys' Neat Grey and Black Check Canadian

Tweed Two-Piece Suits, single breasted, to button close at throat, nicely plaited and made with Prussian collar, strong linings and trimmings, sizes 22- 1.00 28, special . . any amount from \$10 3 Men's All-Wool English Tweed Suits, single-breasted sacque style,

with double-breasted vest, dark heather mixture with red overplaid, lined with good, durable Italian cloth, and perfect 7.50 fitting, sizes 36-44, special. fitting, sizes 36-44, special. . . .

Youths' All-Wool Fine Saxony-Finished Long-Pant Suits, double-breasted sacque style, in a handsome grey and black check pattern, good Italian cloth linings and trimmings, sizes 33-35, 5.00

Warmer Underwear for Men | stitched seams, pearl buttons, full size bodies, 56 inches long, sizes 14 to 18, regular 75c, Tuesday.......50 Men's Fine Arctic Underwear, wool fleece lined, light weight, natural shade, silk trimmings, pearl buttons, overlocked seams, double ribbed cuffs and ankles, drawers trouser finished, sizes 34 to 44, per gar 1.00 Hats, Caps and Tams

and ankles, drawers trouser finished, sizes 34 to 44, per gar 1.00 ment

Men's Fine Scotch Wool Shirts and Drawers, double-breasted and back shield style, sateen triumings, ribbed skirt, cuffts and angles, soft, lofty finish, Shetland shade, sizes 34 to 42, per suit \$1.25, per garment... 65

(See corner Yonge and Richmond-streets window.)

Men's Fine Laundered Colored Shirts, short bosom, detached, double-link cuffs, in white with heavy grey stripes, also white with heavy grey stripes, and figured effects (which are so fashionable in England and New York); the celors in these goods are

75c English Flannelette Night Robes 50c Men's Fine English Flannelette Night Robes, collar and pocket, double-

Boys' Glengarry Scotch Caps, fine make, indigo dye, silk or leather bindings, long silk streamers, special. 35

J. W. FLAVELLE THE SIMPSON COMPANY ROBERT SIMPSON COMPANY