EXPERT TALKS OF THE STORM

Kansas City Builder Gives Construction Lesson of Cyclone.

Cement Holds Brick and Stone, Where Lime Mortar Lets Them Fall-How Frame Buildings Stood Shock.

The day following the Omaha tornado the Kansus City Star sent to this city a study carefully the construction of the houses in the path of the ternado. The man chosen for the task was George Grubb, builder for W. R. Nelson, editor

His report was sent by a staff correspondent of the Star, as follows:

"Is it possible for a building to be con siructed to resist collapse in a ternado "Yes," answered the building expert.

'Now that same question long has been replied to in the negative. No structure erected by human agencies can withstand the fury of a twisting tornado, is the gist of a long-questioned theory. And apparently it had a good by pothesis-the wreck age and debris which always has marked the path of every big wind.

The Lesson in Omaha .

'At first sight, the old theory we me to be borne out once more in the recent demolished residences was revealed the morning after the tornado plowed through the effy. Large buildings, bulky and subbuckled before the wind and were powdered to the ground

On the other band, there were sarge structure it could move. structures-many of them-in the path of Even small buildings, frame houses, reared themselves up from the debly, when such cases were found, sight seers would point them out and remark, 'More freaks of the wind.'

Not Frenks of the Wind. "But they are not freaks of the wind, George Grubb, builder, declared. He accompanied a reporter for the Star over ruins of Omaha's residence district that the house was not torn down. But and arrived at that verdict after a care. the builder said 'No. fut inspection of the wrecked nuildings "These "freaks" merely prove that there was plenty of good timber, mails, brick and cement used in their construction struction. Good material and rareful

will weather any Iwister. The Trinity Methodist Episcopal church | cement. at Twenty-first and Binney streats was one of the largest auditoriums in Omaha It was a brick building. The storm whipped off the north half of the edifice it was the first exposed to the tornado.

Failed to Bind the Bricks. not hang together, Mr. Grubb said when thing before it-but the substation. he inspected the ruins. They fell apart. by the resistance of the other.

The beams in the portion of the roof budge. that remains standing are heavy, hard wood, joined together by mortise work and bolts and heavy spiking. The mateeach end. If five or six spikes had been inch studding the lumber was 2x6. used, in my estimation, the roof would the walls would not have collapsed.

Church Walls that Fell. Lothrop streets. The brick walls of this reed." building were seventeen inches thick,

blue Mortar at Sacred Heart. The north half of the Sacred Heart event at Thirty-sixth avenue and Burt. tiref was swept away. The wall of a first story measured seventeen luckes. CEMENT MORTAR IS THE BEST through, while the walls for the remainng top floors were thirteen inches thick But they tumbled. Lime mortar again.

The fire escape, which climbed along the west side of the convent still stands in perfect alignment, though the brick work about it was sheered away.

"That fire escape was properly con structed,' Grubb commented, 'No frenk about that-just well built.

In sharp contrast to mose large deofished buildings, to say nothing of the hundreds of crushed frame houses, the Webster telephone exchange stood unharmed in the midst of the stricken portion. Its waits, too, were only thirteen inches thick and or brick. But they were fied at regular intervals with bricks fald crossways. Beyond a slight rack in the north wall and a portion of the coping which was blown away, the damage to that building was negligible. The brick were laid in coment."

Joslyn Castle Uninjured.

The numbers of Poor Clairs, a low two storm. The chimneys were blown off and a section of the coping. But that was all. Again cement moriar.

Joslyn castle, the million-dollar manstreet and Dewey avenue, was reported Omaha visitation, when the spectacle of to be totally destroyed. The damage was confined almost entirely to the shade trees and orelids in the lawn, which were valued at \$100,000. As to the building itstantial to outward appearances, had self, the wind confined its ravages to the coping and small gables of the battlements-the only things on the entire

That house never would be torn down the storm that stood successfully the by a windstorm, Mr. Grubb declared. The stones which were blown away reyeal a solid brickwork under the venner. bris of their former neighbors. Invaria- They clong together because they were taid in cement. That house, as it stands now, is in as good condition, so far as construction is concerned, as ever."

Trees Uprooted in Yard. "Out in the yard mighty trees were op rooted and tossed out in the street. It was just another 'freak' of the wind Thirty-Eighth Well Guarded.

"When the Electric garage at Fortieth and Farman streets, was destroyed it air. was not due to bad construction of walls. A large plate glass window in the south-When a large, apparently well-built struc. east corner was blown in by the whirlture went down there was a cause for its wind. Then it lifted the roof off. An going. And that cause was faulty con- entire section of wall that was carried over with the roof hung together as workmanship can erect a building that though a solid slab of rock. That wall was thirteen inches thick and laid in

"The garage incident would seem to be an argument against large windows. The Small Windows.

splendid example of the utility of and crushed the walls to the street. But small windows is found in the substation indefinitely. A meeting was to have a brick tower stood the shock, though of the Omaha Electric Light and Power company on West Leavenworth street. The tornado swooped down the hill to the "You will notice that the bricks did west of this structure, carrying every-

"The windows in this hullding were of showing that the mortar falled to bind wire glass, each pane measuring 3x10 them. And the mortar was lime mortar inches. Not a pane was broken. The at that-not a trace of cement an or building itself is a square brick affair, found in this building. Had cement been reinforced with concrete and laid in a used huge sections of the wall would have ment mortar. Two telephone poles sixty stuck together. The tower is noxagona; feet long were wrenched from their and the strain on one side was refleved places in the street and thrown against the side of the station. But it did not

With Two by Six Studding. a radius of six blocks. It is a frame on the ground is only of 2x6-inch lum- building. A scantling was knocked off ber and secured by two or three nails to the sides of this house. In place of 2xi-

"It is obvious that timber as small as not have been blown off. That means 2x4s cannot stand the wind pressure of a tornado against its side,' said the builder. 'Every frame house that was " 'Practically the same construction was blown down was built of such alimsy found in the ruins of the Plymouth Con- wood. Two by six-inch lumber or 2x8gregational church at Twentieth and inch wood would not break off like a

"The new University Medical college at but the twist of the wind crumbled the Forty-second and Howard streets is unlime mortar and the bricks would not der course of construction. Even though

TORNADO

SUFFERERS

Should Your Piano or Victor Machine

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Phone Douglas 188

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Daily "Style Shows"

Next time you're down town look

at our window display -- you'll see

the right styles at the right price.

Every shoe seen in our windows is an exact

"one - kind - in-the-window-and-another-

Expert fitters are at your service wen

duplicate of similar shoes inside carried in

Will Call For Them at Once

Te COCIETY-A BEE-HIVE

By MELLIFICIA.

Friday, March 28, 1913

T HILE the possessions of many of the tornado victims have apparently disappeared completely, the yard and house of Mr. and Mrs. Gilbert Carpenter, 415 North Thirty-ninth street, picked up a great collection.

Many letters belonging to Frank W. Bacon, who lived a block away, were blown into the Carpenter bath room. In one of the trees nearby is a set of furs. A blonde switch has not been claimed

Although the porch of the Carpenter home was blown away, another porch, which does not match, is on the lawn.

There are shoes galore, but not any seem to be mated.

The evening of the catastrophe the Carpenter house was one of the many used as a place of refuge for many of the victims. The yard was so full of bedding and clothes, that they picked up these things and put them

Freaks of the cyclone are almost equal to the queer turns which are taking in people's minds, says Harry Kelly, whose home was among those leveled to the ground in the tornado Sunday. Mr. Kelly was visiting the ruins of his home the following day and some of his story brick, also was in the path of the neighbors were on the ground before he arrived. A neighbor of social prominence was one of the visitors, and he lifted a board which was partly covering a Tiffany vase and said: "Isn't it funny how our vase got into the wreckage of the home of Mr. Kelly?" Mr. Kelly spoke up quickly and sion of George Joslyn at Thirty-ninth said, "That is one of our wedding gifts." It was the only article of any value saved from the wreckage. A kitchen chair and plate are the only other household possessions left at the Kelly home.

Former Omahan Sends Check.

Rev. T. J. Mackay this morning received a check of 125 for the tornado victims from Mrs. Mae Naudain George of New York City, formerly of Omaha. Mrs. George, who was formetly Miss Mae Naudain, made her operatic debut in "Babes in Toyland," and later starred taken off. in two or three light operas. Her marriage to Mr. George, a well known banker

Saints' choir before going on the stage.

John McDonald, architect, 315 North porch the other evening to get a little of her guest. The militiaman guarding that section called to him: "If that is your house, At the University of Omaha. you better stay there and get inside. We are shooting prowlers." Mr. McDonaid activities in the University of Omaha good-naturedly went inside and was have been postponed indefinitely. The thankful that he ned such a good guard

for Thursday afternoon at the home of Mrs. Luther Kountze was postponed-in- but both of these have been postponed

The Junior branch of the Fine Arts In and Ont of the Bee Hive society have postponed future meetings been held Thursday morning.

Pan Club Postponed.

The Pan club has postponed indefinitely the dancing party planned for Friday evening, March 28, at the Metropolitan

Club Did Not Meet.

The card party planned by the members of the Popular club for Thursday afternoon at the home of Mrs. Fannie Balfour was postponed for three weeks.

Affairs for Mrs. Bird Cancelled.

story brick affair was not feazed. And Hotel Directors nade on top of a hill. The walls were hald to coment.

" 'And,' Mr. Grubb was asked, 'where is the place to go when a tornad comen? "In frame, stucco or veneered houses,

the basement is the safest place. In brick houses stay out of the basement, That's where the bricks fall."

stay in place. The natural thing for the windows were out that large rour-Anything Told Now

Losing no time, Frank T. Hamilton. mediately after the storm, and he later own property. made a tour of inspection of the devastated section.

"I wouldn't have believed it if I hadn't seen it with my own eyes." says he. "I used to think these miraculous storm stories I read in the papers were tall yarns made out of whole cloth, they seemed too preposterous. But now 'lll believe anything anyone hands me without a question

MRS. MANCHESTER HEARS WILD REPORTS IN KANSAS

Mrs. Emma B. Manchester, supreme guardian of the Woodmen circle, in giving \$50 for the relief of the storm victims sald she was in a small Kansas town when she first heard the report of the disaster in Omaha. She said the first report was that the entire city of Omaha had been wiped off the face of the map.

"Why." she said, "the reports were that the Woodmen of the World building had collapsed like paper and that steel girders were being hurled through the air like mere twigs. I tried to get a waiting for a train, thinking that all my away. I offered fabulous sums for a mes- night among the victime. age from home and I offered a man who same in on a train Monday morning, 110 sought to provide work for all the needy he refused to rell it or even let me look Kline, "and in this I have discovered at it. I am glad things are not as bad a number of bums who seek something as reported, but matters are most awful for nothing and refuse to work. even as they are.

PAPILLION RESPONDS TO CALL IN HEARTY MANNER

J. D. Marks, a member of the Omaha. relief committee established in Papillion. has brought in \$300 as the results of the canvass made there. The amount was urned over to the relief committee.

Grippe coughs hang on, weaken the systam, and lower the vital recistance. R. J. Collins, Postmaster, Barnegal, N. J. says: "I was troubled with a severe La Grippe cough and was completely exhausted after each fit of violent coughins. Before I had taken one half of a bottle of Foley's Honey and Tar Compound, the is keeping a collection of storm curios coughing spells had entirely ceased. I wish to say it can't be best. All others are imitations. For sale by all dealers everywhere .- Advertisement.

guest of her parents, Unlonel and lers. B. S. Curtis, has been postponed, and the supper planned for Sunday evening is Mrs. Bird's honor by Mr. and Mrs. William E. Martin will probably be postponed. Mr. and Mrs. Martin, who live at all South Fortleth street, had the north side of the roof of their house

Parties Cancelled.

Mrs. E. V. Lewis, Foreith and Carnam All of the parties planned for Mrs. Herman Boldt of Dubuque, Ia., the guest of Mrs. George was a member of All Mrs. H. V. Hayward, have been postboned, and Mrs. Boldt will leave for her home this evening. Among these were a bridge party for Tuesday afternoon and a matinee-luncheon Thursday afternoon, Thirty-eighth street, went out on his both planned by Mrs. Hayward in honor

Owing to the storm all social and other senior class had expected to entertain the entire student body on Friday evening, and Rev. P. W. Leavitt was to have The meeting of the Garden club planned given an illustrated lecture upon the "Life in the French Capital" this week.

ing her sister, Mrs. J. J. Singer, of this

Miss Desdemona Baldwin of Elkhorn. Neb., who has been at the Baldwin ranch for the past three weeks is the guest of her sister, Mrs. Earl Sterricker, this

Miss May McGovern, who had planned to leave this week for Chicago, has postponed her trip indefinitely.

Miss Claire Helene Woodard is visiting at the home of Mr. and Mrs. Lawrence Hayden in Washington, D. C.

Mrs. Marr O'Conner and small daughter, who have been visiting for several weeks in Council Bluffs as the guests of Mrs. O'Conner's parents, Mr. and A cottage near Twenty-fourth and Lake The dinner planned by Mr. and Mrs. C. R. Tyler, will prolong their visit streets is the only building standing in Moshier Colpetzer for Friday evening for several weeks, as Captain O'Connor has Mrs. E. Dimon Bird of New York, the been ordered to New Mexico.

Decide to Build on Much Larger Scale

an area of 122 feet on Eighteenth, by 154 feet on Douglas, instead of 132 feet square as originally contemplated.

A special meeting of the directors of the hotel company voted unanimously to accept the proposition of A. D. Brandels, who donated the site, to add the west twenty-two feet at the price which he had paid for it, subject to a joint arpresident of the gas company, was out rangement for light and air for the hotel in the tornado district helping friends im- and any structure he might build on his

The planning of the hotel, which had been delayed to wait definite information as to size, is expected now to go right

Relief Station Finds Impostors Are Busy

Relief station No. 3 at 2736 Franklin street is one of the posts which has been victimized by impostors and "repeaters" seeking clothing and food. One family applied there four times in one day and sent an application for help to the station through one of the women volunteers. Two or three other instances of this kind have been discovered. Those in charge are watching records closely and it is thought few will succeed in deceiving

MANY HABITUAL TRAMPS ARE FLOCKING TO OMAHA

Hoboes from many cities are drifting essage to Omaha, but could not and into Omaha expecting to receive largest you can imagine the suspense I was in from the citizens' relief committee, according to Captain Kline of the Salvation friends and interests had been wiped Army, who has been working day and "Instead of giving charity I have

for an Omaha paper, which he had, but who have applied to me." said Captain

Today, for example, I had fifteen jobs and about twenty applied for work. Of these only three would actually the work, the others giving one or another of the old stock excuses." Members of the citizens' relief commit-

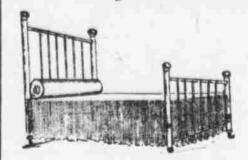
tee have also recognized this element and have further found that many who ac tually need help are refusing to apply for Special investigators are now covering the entire stricken territory A Cold. La Grippe, Then i'menimonin. Where there are families in need they are is too often the fatal sequence. La being helped whether they want to be where there are families in need they are

NEWSPAPER IS DRIVEN THROUGH WINDOW PANE

and one of them is enough to stretch the bounds of credulity. The tornado destroyed all of the windows in her home on one side of the house except one. This

Beds! Beds! Beds!

Special Prices for Saturday



Knowing that hundreds of tornado victims are in immediate needs of beds, we are making a special price of \$3 each on 100 iron beds that sell regularly at \$3.50 to \$5.00. They are strong, neat beds, finished in white or green. Some are exactly @9 like the cut - others are in patterns equally as good. Your choice

We also offer special values in mattresses, springs, pads and couches, as follows:

Best quality combination mattress	\$5.00
Best quality cotton top and bottom mattress	
Cotton top mattress	. \$3.00
Special 45-lb. felt mattress	
Other felt mattresses, including the "Dixie" and "	
for \$10.50, \$12.50, \$15.00 and	

REPAIRS

We have ample facili ties for repairing your furniture, carpets and rugs. Will call for them, take best care of them. repair them quickly and return to you.

Large assortment best quality steel springs to fit all beds, for \$2.75, \$3.50 and \$4.50 "Way Sagless Spring" \$8.00 Woven wire cots \$2.00 Cotton pads to fit \$2.75 Sanitary couches, best grades, for \$4.50 and \$6.00 Cotton pads to fit, \$4,50, \$5

WINDOW SHADES

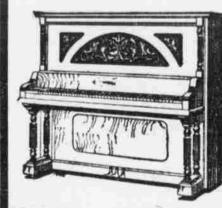
We make and hang window shades, any size. Phone your order and we will get your shades up in a hurry.

Beaton & Laier Co. 415-17 So. 16th St.

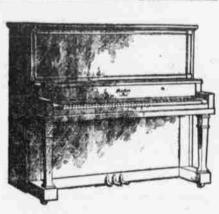
Pillows - \$1 to \$10 a pair

Payments if you wish.

ONLY TWO MORE DAYS



to take advantage of the wonderful bargains that we are offering in our



March Clearance Sale of Pianos

Below are a few of the special prices for this sale on

NEW AND USED PIANOS

Steinway		4.4			×	\$275.00
Steger			303	 	+	\$175.00
Kimball			v.	 	¥	\$150.00
Emerson	1118					\$150.00
Vose & Son				 	×	\$125.00
Hardman				 		\$150.00

Weiler		p. 10				.\$	140.00
Chickering	14					.\$	125.00
Lexington	0.1				V:+	.\$	100.00
Behning			3.	,			\$75.00
Stein Metz		**10		. ,		.\$	100.00
A. Gray		_	_	_	_		

TERMS TO SUIT

Hayden Bros.

certically. In the horizontal crack a newspaper, neatly folded, was driven through the pane, in the crack, without breaking the glass. It would have been impossible to have placed the paper there without shattering the pane.

DANISH BROTHERHOOD GIVES FESTIVAL FOR RELIEF FUND

The tug-of-war festival arranged for by the Danish Brotherhood lodge will take place, as originally planned, at Washington hall. Sunday evening A novel cabaret show with an interesting program will precede the tug-of-war, and after this refreshments will be served. Great crowds of Scandinavians are expected to attend, as the proceeds from this entertainment will go to the relief of the cyclone sufferers.

Washington hall has been donated for the occasion by Christensen & Negethon, proprietors. The Danish Pioneer will give free advertising and printing, and Carl Christensen's orchestra and all performers also will donate their services The committee in charge of the festival consists of Rudolph Larsen, Frank V Lawson and A. Norregaard.

Parsistent Advertising to the Road Big Returns.

Household Necessities At Reduced Prices

5c Sal Soda, for cleaning, . 5c Good Paint Brush 10c 25c- Victor's Tooth 12c Powder.... Half pint can Family

10c 50c Family Family 29c Syringe for 1 lb. Mule Team Boras for 9c 10c Shinola and 25c outfit, both for.... 19c Fairy Soap, 3 bars for 11c

SHERMAN & McCONNELL DRUG CO. 16th and :::::Dodge Owl Drug Co., 16th and Harney; Harvard Pharmacy. 24th and Farnam; Loyal Hotel Pharmacy, 207-9 N. 16th.

a full range of sizes. We have no time for kind-in-the-store" method of shoe-selling. that know how to give shoe satisfactle

Moderate Prices.