# TERRIFIC FORCE

## Grain Dust Explosion Caused Vast Damage.

## Big Elevator in Ruins and Many Houses Wrecked.

Property Loss Estimated at \$500,-000, of Which \$301,900 is on Grain Stored in the Mammoth Structure That Was Burned-Four Men Injured, Two Whom Were Removed to a of dollars' worth of general merchan-Hospital—Thousands Visited the At pler 7 the Wilson-Furness Translated steamship Cambroman laid Scene Yesterday.



VIEW OF THE FIRE FROM THE RAILROAD CROSSING NEAR CITY SQ.

The mammoth elevator at the Hoosac fire which originated from the explosion ber of big timbers crashed through the property loss is approximately \$500,000. It was 3.30 in the morning when the explosion occurred. The shock was terrific, seemingly rocking the district on its very foundations, and it instantly brought to the minds of great numbers of Charlestown people thoughts of a probable Spanish invasion. Throughout the entire city the explosion was felt to a considerable degree, and hundreds were soon hurrying toward the water

The explosion was caused by grain dust generating gas or hot air. Immediately after the shock flames burst forth from all sides of the big structure. and within a few hours the building, with its contents of 300,000 bushels of grain and five runs or galleries connecting with the great steamship freight sheds, which cost \$40,000 to construct. was in ruins. Beside this the upper story of the Chapin, Trull & Co distillery, on Water and Gray sts, was wrecked, and the roofs and upper floors of 14 tenement houses on Gray, Water, Hudson and Chelsea sts, were badly damaged. Added to this is the lesser destruction of hundreds of windows on Main, Park, Joiner, Chamber and Chelsea sts and City sq, all of which were blown in by the tremendous force of the explosion.

### Alarmed by Explosion.

It was a most sensational fire among fires that are regarded as unusually sensational, by reason of the circumstances which surround their origin or remarkable incidents connected with their prog-

Half the people of Charlestown who awoke to a realization of impending danger in the -vicinity of their homes first jumped at the conclusion of the arrival of a hostile fleet, but as they gazed from their windows and viewed the magnificent illumination of the heavens which the configration made an explosion at the navy yard was the immediate theory. This was soon dispelled, however, as they hastened toward the government reservation and got a closer view of the wonderful but terrifying spectacle of the great Hoosac Tunnel elevator going to its doom.

The two-story scale house at the top of the 200-foot structure went sailing westward through space by the force of the explosion, carrying timber, slate, ironwork, snow guards and all within it, and landing in a composite heap on the roofs and in the yards of the houses situated on Gray and Hudson sts. A large number of stray pieces of timber and Co's distillery on the corner of Water

Opposite the distillery, on the other Tunnel docks on Water st, Charlestown, | corner of Gray and Water sts, George was destroyed yesterday morning by a E. Reade's stable is situated. In the of grain dust. For a time surrounding roof of this portion of the building, comstructures were threatened with demoli- pletely demolishing it, the horses were tion, such was the flerce heat and the uninjured, and they were gotten out "apid spread of the fismes. The total quickly and transferred to the Park at

## Four Men Hurt.

Archie Gelden, night watchman at Reade's stable, was at the washstand when the timbers struck the building, and he was thrown forcibly against a window, badly cutting his right arm. He was stunned for the moment, but quickly recovering himself, picked his way through the debris, and with the aid of others who soon arrived, succeeded in rescuing the horses.

Watchman Thomas Carroll and Edward M. Sellon, who were in the office on the first floor, were the first to discover the presence of fire in the elevator. On smelling smoke they started to set the automatic alarm in operation, but in an instant came the explosion, and they were obliged to fly for their lives. Falling timbers and all kinds of missiles obstructed their path to the door, but they managed to reach the open air.

Sellon was met, as he rushed out, by reserve officer James J. Hoy of division 15, who, on discovering injuries about the face and hands of the watchman,

took him to the station. Carroll for some time could not be found, but was finally discovered on the wharf, with head and hands badly

Both men were taken to the Massachusetts general hospital.

George Aiken of engine company 44, while fighting the fire, was struck by u piece of slate, and received a bad cut over the left eye.

Capt Hiram Smith of engine company 37, while walking along the sill of the wharf near pier 4, tripped on a tine of hose and fell into the water. His comrades were close at hand, and quickly were also those of the families living throwing a rope to within his reach, he on Gray st. Nearly everybody throughwas hauled to the wharf.

gine room of the elevator when the ex- thrown to the floor by the shock. None, plosion occurred, and immediately a heavy pulley came flying past his head, knocking off his hat and smashing a shortly after the fourth alarm, and was barrel into kindling wood.

## Steamship's Hawsers Freed.

The automatic signal called out the Charlestown apparatus, and by the time of the arrival of the department at the scene box 421 was rung in, followed by three other alarms in quick succession.

The flames soon spread in all dipertions, but the wind, being from the westward, carried the sparks and burning brands in the direction of the iron found their way to Chapin, Trull & water. While this probably prevented great disaster to the tenement house and Gray sts and punched great aper- section of the district, there was much tures in the roof, fully 25 feet square, for the firemen to do toward protecting tures in the roof, fully 25 feet square, and plunging through to the upper floors.

An adjoining four-story dwelling on Gray st, owned by P. O'Riorden, was struck with great force by the flying t'mber and the roof and upper floor were to many yard on the northeast, and it completely wrecked.

The Hoosac Tunnel elevator was created in 1882. Its dimensions were as follows: Length 167 feet, hight 198 feet. It had a capacity of the holded at once as if the seven big it from its fastenings.

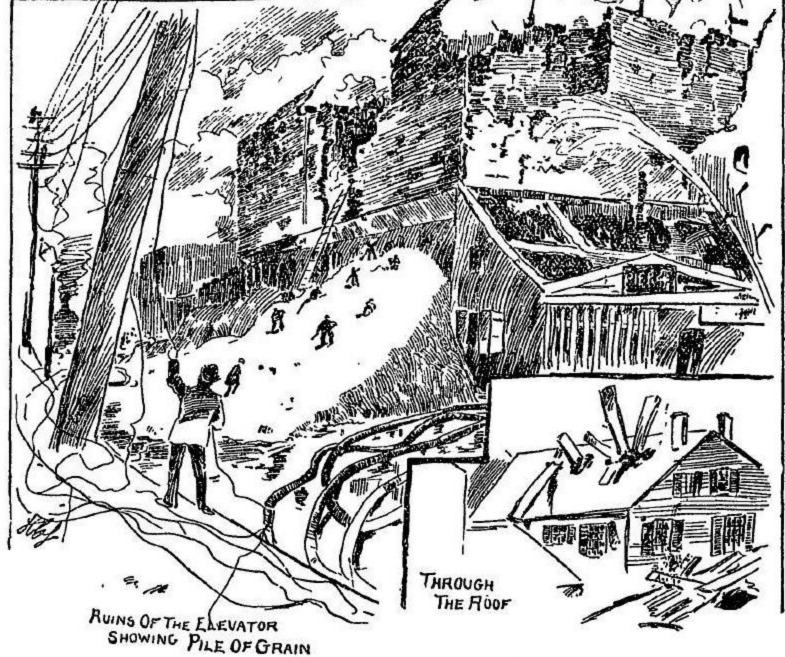
Crowds of sightseers were gathered at every point from which a view of the smouldering rulns could be had, and the police bushels in March it handled about 1.700,000 bushels, mostly Leiter presidence within the roped off streets.

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Illistory is being made at the National Capitol and a visit to Washington at the handled of the ropes. More personally conducted wheat, as was also, that destroyed.



HAVOC WROUGHT BY EXPLOSION AND FIRE.

plers and their immense sheds were going to be consumed. In these sheds were stored thousands

dise, including imports and exports. alongside, and every preparation was made to tow her out into the stream, the hawsers being let loose, and she was temporarily hauled down to the extreme end of the pier.

Two barges filled with cotton were also towed out to a place of safety by

couple of tugs. These were the only craft at the

wharves, although a steamship was expected at the docks today to take a large lot of the grain from the elevator across to Liverpool.

#### Spectacular Blaze.

The elevator was a roaring furnace from the moment of the explosion until practically the last particle of wood resting on the two-story underpinning had been burned away.

The spectacular effect as produced by the configration beggars description. From the harbor and the hills about Charlestown a grand sight was obtained, and nothing so brilliant in the way of Illumination has been seen in this city

The harbor was almost as light as at noonday, and the reflection of the great, darting tongues of flame in the windows and on the shining tin and metal work of the buildings along the water front was grandly theatrical, and reminded the spectator of some superb nautical fete in which the shore structures played an all-important part. Tons of water were poured upon the

seething, flaming mass within the building, but it was of little avail. The fire simply burned itself out. But it was in preventing a spread of the fire that the department showed its best work, and seldom has a fire been better handled. The new horseless engine, No. 35, was undot bledly the greatest factor in keeping the fire confined to the elevator, and next to this in efficiency was the fireboat in preventing the total destruction of the seven big freight sheds of the Fitchburg railroad company and possible communication of the devouring element to the government property at the navy yard.

A powerful stream of water from the norseless engine seemed to force in the thick pine boards of the side of the building, and finally bored an entrance in a number of places in the hoppers below the immense bins, thus releasing thousands of tons of oats, wheat and corn. The grain shot out of the apertures and over the sides of the building into Water st like so many miniature Ningaras. This continuous stream forced the greater part of the grain out, and was the means of greatly decreasing the extent of the fire as well as saving the product for second or third class

Water at presented a wonderfully unique appearance after the grain had all emptied into it. The falling slate, which popped off the sides of the building in immediate response to welldirected streams like bullets from a gatling gun, mingled with the smallsized hills of corn, oats, etc. greatly increasing the amount of debris in the street.

Shortly after 4 the flames were spreading toward plers 4, 5, 6 and 7, and it was at this moment that the firebont got in its work. It looked decidedly as if the firemen could not keep the blaze from extending, but the powerful stream from the boat, reinforced by four smaller ones from various engines, kept the element practically confined to the long runs or galleries, although at one time it fought its way persistently until it reached pler 4, and the streams were necessarily directed on this structure The damage by water here was consid-

At 6.20 the fire was under control, but the smoldering embers kept several streams at work the greater part of the day, and the "all out" was not sounded antil 7.10 p m.

## Praise for Firemen.

There was little damage by fire to the property outside the limits of the Hoosac Tunnel dock and elevator company's plant, which is controlled by the Fitchburg raffroad company.

The roof of Chapin, Trull & Co's disillery was covered at times with burning debris, and great apprehensions were entertained, but a stream or two effectually put out the small burning pieces of wood and other material. The rear of the Hudson at houses from Nos. 8 to 18 appeared to have been cut downward to the second story as if by ne long swath. All these h two and one-half story, and were occupled by many families. Much of their household effects were destroyed, as out this section was in bed when the Night engineer Hadley was in the en- explosion occurred, and many were however, were reported seriously hurt. Fire Commissioner Russell arrived an interested spectator of the work of the firemen. He was greatly pleased with the service performed by the new horseless engine, which on this occasion

> tions. Another early arrival at the fire was agent Booth of the Leyland line He'had only words of praise for Chief Webber and his men for their manner of fighting the fire, and declared no department could have done better.

made its debut at a fire of any propor

So powerfully did the horseless engine work that after four hours' steady draw on the water box at the corner of Chelsea and Gray sts it broke the box, sub-

Few men are needed to handle this times as many houses as are in the grain. A superintendent of elevator, vicinity.

The poeple in the houses, especially

On grain \$301,900, on elevator \$150,000, on the runs, on goods in pier 4, on property of Chapin, Trull & Co and on various tenement house property, \$48,000. The grain elevator is considered a to-

tal loss, while the gallery and belt gallery running to the piers is damaged about 40 percent.

The insurance on the elevator was placed by the representatives of the Liverpool, London and Globe insurance company, which company is at the head of the syndicate that insures the railroads and their various properties. The loss on grain would have been

greater but for the fortunate circumstance that the steamship Cambroman had loaded her full cargo of 83,000 bushels on Saturday. The Johnson boats and others were to take on their car-

A. Fred Brown of the cnumber of commerce said there were in the elevator about 200,000 bushels of Leiter's wheat, 150,600 busitels of corn and 10,000 bushels of oats. The wheat was worth about \$1.20, the corn about 39 cents and the oats about 34 cents per bushel. This makes the loss on cereals at these figures \$301,960. Mr Brown thought that about \$50,000 will be realized on the wer

grain for feed purposes. The grain is well covered by insuronce, much of it placed through the John C. Paige & Co agencies, and a lot of the marine insurance is with Field ] & Cowles and Frank Gair Macomber the explosion when the end of a beam

marine agencies. The distillery and bonded warehouse of Chapin, Trull & Co was insured in the lounge. In the meantime pieces of plastering continued to fall and the rear window was broken into splinters. They about \$190,000. The settlement of this loss may bring out an interesting question for underwriters to answer, for the The distillery and bonded warehouse

grain. A superintendent of elovator, foreman and 10 men do all the work inside, and another gang, comprising a foreman and eight men, unload the cars. Three cars were on the tracks near the clevator, and were badly damaged.

There were two hoppers, side by side, in each of the five sections of the clevator, and 88 bins, the largest being 75 feet deep and holding 8000 bushels. The smaller ones held about 5000 bushels.

Loss About \$500,000.

The property loss is variously estimated, but dispatches sent by fire underwriters to their head offices place the total within \$500,000. This is the largest property, loss since the great fire of March, 1893.

The loss is practically all covered by insurance, and will fall upon the marine and fire companies, who take this and cover it from its receipt here until it arrives at its destination in England.

The loss is divided about as follows:

On grain \$301,900, on elevator \$150,000, on the cars with the windows, looking sort of the most part were so shocked by their experience that they had not had courage to more that they had not had courage

of crashes.

Mr Carney was asleep in the rear atte. He had not yet recovered his thoughts when the end of a 20-foot beam eight inches square came crashing through the roof and celling at the foot of his bed, going clear through the wall into the next room. He started up to leave the bed, but had hardly made a motion when the end of a two-inch iron ipe crashed through the roof within a

foot of his head.
The sounds of other missiles striking the roof so scared him that he rushed down the stairs; how, he cannot tell. He found his family in a state of fright, not knowing which way to fly to escape the fusiliade that played on all parts of the house. On the floor below where he had been sleeping the celling of the front room had fallen, a table had been overturned and pictures had been torn from the walls. 'The cries of "fire" coming from the

street composed the frightened family somewhat, and they threw open the windows, only to be thrown again into a state of terror by the frightful blaze that seemed ready to envelop them. On the first floor of the house lives Mrs John Kelley with her two daughters and her son John. The mother and daughters were asleep in the front of the house and the son lay on a lounge in the rear room. The noise of the explosion and the timbers crashing through the roof following the explosion nearly frightened the young women into hysterics, and when they heard their brother in the rear room shouting they thought that the Spaniards had come to storm the city and that the shells were falling on their home. A large section of the ceiling fell about them and they

ran to their brother's room. He had been partially awakened by ouiging in the wall and forcing him of

on Chelsea st, where she was put to bed opposite the elevator, makes a state-and given medical treatment. ment in regard to the fire which would seem to indicate that it was due to other

on Chelsea st, where she was put to bed and given medical treatment.

The worst wrecked houses in the vicinity were in the block on the north side of Hudson st. The entire block suffered, and in some instances it will be impossible to repair the houses so as to make them inhabitable.

No. 18, owned by Mrs Mary McCarthy. received the first blow from the falling timbers. They fell on the rear roof, near the edge, and tore it off for fully six feet up from the gutter as cleanly as a carpenter could have sawed it. The upper part of the house is a wreck it, leaving a gaping hole, through which the chambers of the tenants could be seen. Ceilings were broken down, and the plastering of the walls torn off. The upper part of the house is a wreck and cannot be used, while the contents of the floor are covered deep with plaster and debris, so that they will be of little if any use to the owners. The timbers of the house are weakened in such a manner that it seems impossible to strengthen them so as to make the property safe for use.

The whole block, from No. 12 to No. 18, is in the same state of ruin, and the floors shake as one walks over them. Some of the tenants at once moved out their belongings to other quarters. From the openings in the roofs can be had a fine view of the wrocked roof lying in the yards and the broken roofs.



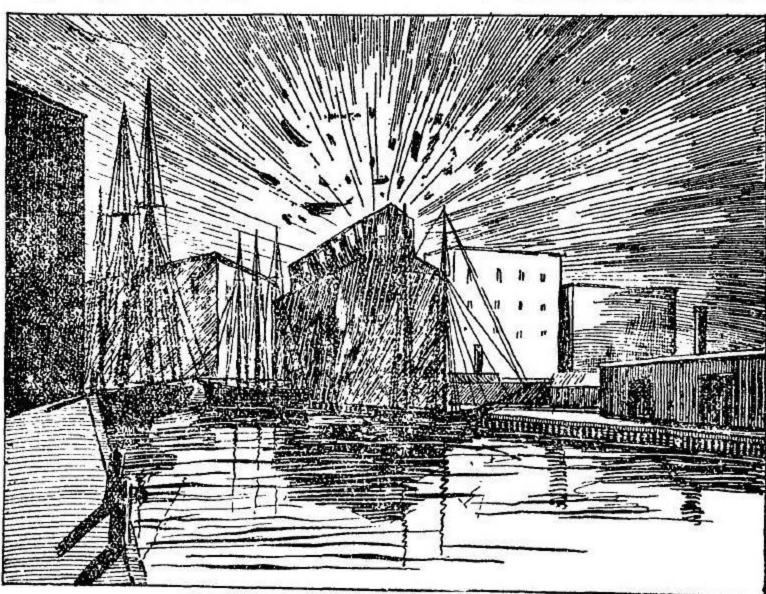
The houses on the other side of Hudson at were not much damaged, although the occupants were scared al-most as badly as those whose houses were partially demolished by the falling

At the Sailors' haven on Water st, nearly opposite the elevator, almost all the windows on the Water st front were broken, and a block of wood two were broken, and a block of wood two feet square was thrown through the skylight in the rear, over the stage used for preaching on Sundays, carry-ing a part of the sash, with several squares of the heavy glass, with it. Charles Stowell, who is in charge of the haven, was blown out of bed by the explosion, and was bruised, but not badly hurt. Mrs Samuel Griffith, formerly matron of the haven, who has been sick for some time, was so frightened and shocked by the explosion and incidents following it that a physician was called, who ordered her removal

to a house on Monument av.

The force of the explosion may be judged, as well as the curious freaks that take place on such occasions, by the number of windows demolished by the explosion and the location of them. While in some of the houses in the immediate neighborhood not a pane of glass was broken, in other places a lifth of a mile off several heavy plate all the windows broken at a distance from the fire were on the first floor, al-though the explosion took place high in

In the Waverley house block, City sq. vindows were blown out in the stores of . Di Prato, the Waverley clothing comany and the Waverley Magazine, but no further damage was done on that slide of the square. On the west side the glass and sash in a laundry next to the Charlestown Enterprise office was blown to the end of the room. In the Roughan building, on the Park



EXPLOSION WRECKING UPPER PORTION OF MAMMOTH GRAIN ELEVATOR.

damage was caused as the result of an tion and reached the street, only to find explosion, no fire ensued, and the damit filled with twisted timbers. The homes of both families are ruined, the functions both families are ruined, the functions because our and so atched age, it is claimed, was done before the the furniture broken, cut and sciatched the furniture broken, cut and scrattened the fire had ensued in the building in which the fire originated.

The goods on pier 1 were of a miscellaneous nature, and were damaged by lancous nature, and were damaged by lancous nature, and were damaged by lancous nature.

water. The loss here was quite large.

## GLASS BROKEN IN ALL DIRECTIONS.

Tenement Houses Near the Elevator Aroused by Falling Debris.

Charlestown, in the vic.nity of the ran into the gutters. Gray and lfud-son sts were filled from curb to curb for 100 feet from Water st with the wreck of the roof of the grain elevator, which was carried in that direction when the force of the explosion lifted it from its fastenings.

for a few broken windows, and on the roof of No. 13, where a four-inch plank fell and did some damage. On the other side of the street, at No. 12, hve Mr and Mrs Andrew Driscoll, Mr Were Wrecked, and Their Occupants and Mrs Collins and one other family. Me Driscoll occupies the upper tene-ment, and his chamber is in the front of the house. He says that he had scarcely been awakened by the sound wrecked grain elevator, desterday morning looked like a city after a slege Water st was filled with a litter of broken glass, window frames, slates, splinters and grain. Streams of water poured from the ruined building and plaster. All the windows in the front room were blown out and the southeast room were blown out and the southeast

block escaped almost untouched except

corner of the house carried away. On the floor below the front windows were blown out, sasn and all. Mrs Col lins, who is 68, was so overcome by the shock that her daughter had her re-

st side, the glass in the two end win-dows on the second and third floors was broken in the upper sashes. Further along on the second floor the upper part of the third window was broken and the lower half of the fourth, and on the third floor the upper half of the fifth. The windows in the hall above, fully 10 feet high, were not broken.

I pon Main st the locked doors of Thomas' lunch room were blown open, and windows broken in the stores of Antonio V. Carboni and George F. Aufort and in a barber shop at No. is. A large plate glass was broken also in the tailoring establishment of John F. Anderson in the Warren institution for savings building.

savir gs building.

At the corner of Chelsen and Joiner sts stands a barber shop, with a window facing on both streets. The part of the window facing Joiner st was blown out, the one the other side remained whole, and another window on the Chelsea st side, was demolished. In Walter's saloon, cor Wapping and Chelsea sts, a fifth of a mile from the fire, the window facing Wapping st was cut out as clean as if with a diamond, while not one of the other panes of glass was not one of the other panes of glass was even cracked.

## SAW A LIGHT IN ELEVATOR.

Charles Stowell, in Charge of the Sailors Haven, Also Detected Smoke About 11.30 Saturday Evening.

Charles Stowell, who is in charge of the sailors' haven on Water st, nearly