A

TORNADO PROJECT SUMMARY SHEET

F=3 ONT

1. DATE AND TIME SUN JUNE 29, 1856 1430 LOCAL

2. LOCATION OR PATH (attach map) THE "EASTWOOD" TORNADO
VCNTY GOLSPIE TO EASTWOOD (W-E)

3. PATH LENGTH [ ] NOT KNOWN [ ] <1mi; [ ] 1-4mi; [10] 5-10mi; [ ] 11-50mi; [ ] LENGTH IF>50mi

4. PATH WIDTH [ ] 5. TORNADO PART OF SQUALL LINE? [ ] YES; [ ] NO; [ ] UNKNOWN:

6. ANY UNUSUAL COLORATION? [ ] YES; [ ] NO; [ ] UNKNOWN

7. ANY UNUSUAL SOUND? [✓] YES; [ ] NO; [ ] UNKNOWN

8. IF ANSWER TO 6 OR 7 YES, ELABORATE; 7 Like the mighty cataract Niagara

9. LIST ANY ASSOCIATED PHENOMENA (Such as hail, vivid lightning heavy rain, no rain, etc.) rain, thunder & lightning followed the tornado.

10. TOTAL DAMAGE ESTIMATE $ UNK

11. TOTAL DEATHS 4, one other not expected to live cattle, 20 sheep, dog, fowl.

12. TOTAL INJURED at least 11

13. TOTAL HOMELESS unk

14. LIST ALL REFERENCES

THE CALEDONIA ADVERTISER, WED JULY 2, 1856
THE WOODSTOCK GAZETTE, QUOTED IN THE WEEKLY GLOBE, TORONTO FRI JULY 4, 1856
THE BRANT EXPOSITOR QUOTED IN THE WEEKLY GLOBE, TORONTO MON JULY 7, 1856
THE WOODSTOCK SPIRIT OF THE TIMES QUOTED IN THE DAILY NEWS, KINGSTON TUE JULY 8, 1856
THE DAILY GLOBE, TORONTO. SAT JULY 12, 1856

15. SUMMARIZE REMARKS PERTAINING TO (a) FUNNEL; (b) INTERESTING OR CAPRICIOUS EVENTS.

(a) it appeared to the eye like a dense spiral column of very black smoke .... an ascending with a twirl of lightning-like rapidity to the perpendicular, a little inclined, though at time towards the direction of the course. From this description it sometimes varied, widening considerably at its point of contact with the earth and at other times almost disappearing. When this huge pillar of smoke had approached our point of observation .. we could faintly discern object floating about in the air above it ... at first (these) seemed small ... but as the storm approached nearer ... we were able to see large branches of trees, whole tree tops ....

THE 'EASTWOOD' TORNADO JUNE 29, 1856

WORKSHEET

...I.D.T.©...

(1) ORIGIN x 17514500
y 4777150

(2) LIFT-OFF x_1 17528000
y_1 4776000

(3) $(x_1 - x)$ = 13500

(4) $(y - y_1)$ = 1150

(5) Standard Error S_x C 100

(6) Standard Error S_y C 500

(7) DAMAGE LENGTH

$$L = [(x_1 - x)^2 + (y - y_1)^2]^{1/2}$$

(3)+(4) [→r,θ] = 13549 m

(8) $\alpha = \tan^{-1} \dfrac{|y - y_1|}{|x - x_1|}$

[x↔y] = 5°

(9) Standard Error $S_L = (S_x^2 + S_y^2)^{1/2}$

(5)+(6) [→r,θ] = 5.10 C

(10) $\beta = \dfrac{\tan^{-1} S_L}{L}$

(7)+(9) [→r,θ]
[x↔y] = 2°

NE Quad $\phi = 90 - \alpha$
NW Quad $\phi = 270 + \alpha$
SW quad $\phi = 270 - \alpha$
SE quad $\phi = 90 + \alpha$

(11) ϕ = 275°

Canadian Portland Cement assoc. Mike Shirlaw 924-1159

THE CALEDONIA ADVERTISER.WEDNESDAY JULY 2ND.1856.

SIMCOE,NORFOLK CO.MUSEUM micro-film.

STORM DATE.WOODSTOCK.EASTWOOD.SUN.JUNE 29TH.1856.

FEARFUL HURRICANE.

We learn from yesterday's BANNER that the COUNTY of OXFORD was visited by a tremendous tempest on Sunday last,but fortunately its ravages were confined to a narrow compass.So potent was it that almost everything within its range was prostrated,and we regret to say that several lives were lost.It is stated that the STATION HOUSE at EASTWOOD was blown down,which resulted in the death of the station master and one boy;and the serious injury of his wife and another child.A daughter and son of the station master at PRINCETON were out driving when the storm approached;the former sprang from the carriage and prostrated herself on the ground to escape the fury of the blast,but the latter having remained,was seriously injured.The vehicle was broken to pieces, if not torn plank from plank,while the horses were thrown down and considerably hurt.It is rumoured that one or two other persons have been killed.

WOODSTOCK TORNADO.

THE STRATFORD BEACON, FRIDAY JULY 4TH. 1856.

STORM DATE. ABOUT 3P.M., SUN. JUNE 28TH. 1856.

FEARFUL DESTRUCTIVE GALE, TWO LIVES LOST.

MR. McCLENAGHAN of the WOODSTOCK TIMES, writes to the HAMILTON SPECTATOR, the following particulars of a storm which passed over WOODSTOCK on Sunday last:

The neighborhood was visited by a storm of unusual severity on Sunday 28th. June. About 3 o'clock to the west of WOODSTOCK, and about three miles distance, a column to the appearance about six feet in size and about forty feet in length was observed coming towards the town. It increased in size as it approached, and was truly frightful. The noise resembled that of the FALLS of NIAGARA. As it passed over the property of GEORGE ALEXANDER, ESQ., it tore up trees in every direction. The chimneys of his dwelling house were thrown upon the roof; his stable was much injured; and his barn was literally demolished. In the coach-house there were four carriages left unhurt, and two horses in the stable escaped most miraculously. Passing eastward, it levelled all the fences it met. It completely destroyed the fine brick house and barn belonging to MRS. WELFORD, in BLANDFORD, and partially destroyed the barn of MR. HENDERSON. MR. ADAMS also had a barn destroyed. At EASTWOOD, the storm was at its height. There it completely destroyed the FREIGHT HOUSE of the GREAT WESTERN RAILWAY, killed the agent, a MR. TROLLOPE, his child and one or two others, besides severely injuring six or seven persons. The STEAM MILL of MESSRS. VANSITTART and COTTLE was partially unroofed; the TOLL GATE and several houses were swept completely away. The full particulars are not known yet.

THE WEEKLY GLOBE.TORONTO,FRIDAY JULY 4TH.1856.

(FROM THE WOODSTOCK GAZETTE.)

STORM DATE. 2.30P.M.SUN.JUNE 29TH.1856.

FEARFUL TORNADO;GREAT DESTRUCTION OF LIFE AND PROPERTY.

Some of the townships in the vicinity of WOODSTOCK were visited on Sunday last,by one of those fearful commotions of the atmosphere called a whirlwind or tornado, which with more or less regularity,periodically traverse over large portions of the American continent carrying destruction and devastation in their courses according to their violence or severity. The tornado of Sunday last was first seen from this town in a north-westerly direction probably at three or four miles distance and at about half-past two in the afternoon.When we first caught sight of it,it appeared to the eye like a dense spiral column of very black smoke,proceeding as it might be,from some vast furnace,and ascending with a twirl of lightning-like rapidity to the perpendicular,a little inclined though,at times,towards the direction of the course.It was moving in,until it lost or spent itself in the heavy clouds above.From this description it sometimes varied, widening considerably at its point of contact with the earth,and at other times almost disappearing.When this huge pillar of smoke had approached our point of observation near enough,we could faintly discern objects floating about in the air above it,and being whirled in every direction.

These at first seemed small,but as the storm approached nearer and nearer we were at length able to see large branches of trees,whole tree tops,also of large dimensions,and a countless number of other things the description of which it was impossible to conjecture.At times also,a continual murmuring noise,like distant thunder,could be heard proceeding from the direction of the pillar,amidst which at its nearest point to us, from half to three quarters of a mile,might also be heard,like shrieks of the wounded in battle,the crash of the giant forest trees,as they were plucked from their foundations and thrown down or tossed about with such apparent ease,by the invisible hand of the"Storm-King",or as their heads were torn from their trunks,and flung in glorious glee high up in the sportive air,with the lightness of feathers.The fierceness of the storm at this time was truly awful.The dense forest in front of the pillar of smoke through which the eye could not penetrate the least,as it passed along,land opened and the sky beyond left plainly visible.

The sight of it,in this,its utmost fury,however,was,to us,but of short duration.It quickly passed over in an easterly,or south-easterly direction at about the rate,we should think,of twenty miles an hour,and

WOODSTOCK TORNADO, CONT.

disappeared beyond the horizon. Now, however, commenced another storm, scarcely less fearful in appearance, but one to which we are more accustomed and which with all its terrible accompaniments is scarcely ever very destructive in its results. Flashes of forked lightning, and loud peals of thunder, accompanied with heavy rain, succeeded one another with fearful rapidity for some length of time, perhaps half an hour. This at length abated, and then, being about an hour after the whirlwind had passed, we started off for the woods nearest to us which it had touched. Arriving there we scrambled with great difficulty, through the levelled forestwhere trees which seemed large enough to bid defiance to all the powers of the elements combined, stood headless, but erect, or lay prostrate on the earth, as if they had been flowers plucked by the playful hand of a child and thrown down to wither and die. Others again were stripped of their bark and leaves, or perhaps a few branches, and stand with their bare arms extended to the heavens. Here a large tree, of more than a foot in thickness was broken in two where it had fallen, and there another of like thickness was broken in two about thirty or forty feet from the ground where it stood erect with its white and shivered top exposed. Many however, generally those of small dimensions, had escaped apparently untouched,

The sight which met our gaze when we got to the clearing beyond was awful indeed. We emerged from the woods a few rods to the West of W½ lot 14, conc 1, Blandford Twp. MR. JAMES ALLENBY'S farm, a portion of the roof of whose house was blown away and the house itself (a log one) a good deal broken. His barn, which was also a log one, and stood close by the house, was blown completely in. Before the storm had reached the house he had with a child, but just come out of the barn, and gone into the house — a circumstance which perhaps saved his life and that of the child. MR. ALLENBY estimates his loss in buildings, crops and stock (two of his sheep being killed, and a field of wheat much damaged) at $800.

Along the road as we passed (the front of the 2ND. CONCESSION of BLANDFORD) were whole trees intercepting it. The next farm to that of MR. JAMES ALLENBY, was lot 13, conc 1 Blandford Twp. MRS. WELFORD'S. At this place the storm seemed to have vented its utmost fury. The roof of the large barn was completely blown away, and a considerable portion of it staved in and moved off the foundation. The dwelling house was a total ruin, scarcely any of the brick wall left standing. The front or north part of it had been a frame building and the back part which was used as a milk house and kitchen, had been built of bricks, a storey and a half high. When we arrived there, a numerous party of friends

WOODSTOCK TORNADO, CONT.

and neighbors had already assembled assisting to clear away the ruins. The frame building which had stood at the front of the brick one, was now lying behind it, making with its contents of broken chairs, tables, drawers, bedstead, furniture, crockery and everything it had contained, a mass of ruin which completely beggers description. It had apparently been lifted bodily from its foundation and either carried over the top or around the western side, of the brick house, and deposited in the rear with a force that threw down every side of it. The most remarkable incident connected with the narrative of this portion of the destructive work of the storm remains to be told. MRS. WELFORD, with five of her children, and a servant girl were in the frame part of the house, when the storm came upon it. MRS. WELFORD, feeling that it was giving way, cried that they "would be safer in the brick part" and at once fled for that part followed by the whole of them. Hardly had they entered it, however, when the roof came in, but the rafters being prevented from reaching the floor by a box that they fell upon, afforded with the roof a protection from the falling walls which soon came upon it. How they all escaped with the few bruises that they did, is truly miraculous. The place which they were crammed into seemed hardly large enough to hold a middling sized pig. They were pulled out from amongst the mortar, bricks, etc., with very little trouble, none of them so much injured that they could not get about and help to clear away the ruins. The servant girl who was in the house was not with the family at the time the walls were blown down, but had gone into an adjoining room to close a door, which the violence of the wind, however, prevented her from doing, and she was behind it literally buried in the ruins, but unhurt. The family report that the first shock that knocked them down was taken off them and that another then came and covered them.

A young orchard which grew at the south of the house was completely devastated many of the trees being torn up and carried away, others stripped of their bark and leaves, and some uprooted and thrown down.

Hearing that a barn belonging to MR. RICHARD ADAMS on LOT No 16, 9TH. CONCESSION ZORRA, had been blown down, we proceeded, on Monday, to that place, and there we learned that west from that the storm had not raged with so much fury — a few rails only having been blown away from the farm of MRS. DAVID ROSS, LOT 7, 9TH. CONCESSION. At MR. ADAM'S it seemed to gather its strength. Here, before it began, two dark clouds were observed to approach each other, one coming from the north and the other from a southerly direction. On their coming together, the whirlwind commenced. At MR. ADAMS, its first freak

WOODSTOCK TORNADO, CONT.

was the tearing up of a pear tree, which stood to the north-west of his house. It then took the roof off an old stable or shed which stood to the north-east. The orchard to the north was next attacked; fine large fruit trees were torn up by the roots and thrown down where they stood or carried to greater or less distance — some of them nearly a quarter of a mile in an easterly direction. A new frame for a barn which stood near the orchard made in great part of heavy 14 and 16 inch timber, with large round trunks of trees laid down as joists for a floor which were at least 10 inches in diameter, was thrown down — some of the timbers blown to short distances, and the whole shifted from its foundation. No other damage was done in this neighborhood except the blowing away of MR. ADAM'S and his neighbors fences. Fromthis place it proceeded in an easterly direction over MR. STEWART'S woods, which it left almost untouched, except about three acres on the eastern side of them. It also blew some of the fences away here. MR. ANSON BARR'S place on the 11TH. LINE was the next in its course, and there it levelled some ten acres of bush, and blew away considerable rail fences. Here again, as it had done at MR. STEWART'S, it skipped over MR. JOHN HATCH'S woods, only throwing down two or three at the eastern extremity of them. When it had gained his clearing, however, it opened out afresh 5,000 feet of lumber which MR. JAMES HATCH had collected there for the purpose of building his flouring mill, were scattered to the four winds of heaven, and so broken up, that but a whole board has been found. Large beams of timber, also laid there for building purposes were lifted bodily from the ground and carried considerable distances, one, about nine inches square and 26 feet long being lifted up apparently several hundred feet in the air and finally deposited in four or five pieces on the 12TH. LINE ROAD. An old log house stood in its path, across MR. HATCH'S fields occupied by a family named SHIELDS. The roof of it was blown away, and the upper half storey thrown in, the unusual size of the beams preventing the lower part from being crushed down. The father of the family, seeing the storm coming, called his children together (one of them was upstairs) and fled from the house, having hardly got three rods from it before it was overtaken. They were all thrown down to the earth by the violence of the wind, but none of them injured. MR. JOHN HATCH, to whose residence it passed very closely, had called out his family from his house before the the storm came up, being apprehensive that it lay in its path. They therefore had a full view of it. He said it travelled over his farm about as fast as a horse could run. They had barely time given them to ascertain about the safety of

WOODSTOCK TORNADO, CONT.

SHIELD'S family, when MR. ALEXANDER'S barn roof was observed flying in the air and a loud noise of crashing timbers was heard. Being under the impression that the house must also have suffered, MR. JAMES and he flew to the place, and there the work of destruction had commenced in ernest. MR. ALEXANDER'S residence escaped with the blowing down of two chimneys and a slight injury to the verandah, but his barn, sheds, and stables and the farm house, occupied by MR. PAULIN, shared a different fate. Between MR. HATCH'S clearing and this place the whirlwind appears again to have jumped—— scarcely any of the trees in the immediate thick woods being blown down. At its crossing over the THAMES, however, which it did at MR. ALEXANDER'S, several fine large elm trees were torn up by the roots, a maple tree a foot thick was broken off about a foot from the ground and carried a distance of a hundred yards. The barn, stable, sheds and fowl houses were completely demolished and only one fowl being left, the rest taken no one knows where. Two horses which were in the stable had got themselves out, it is not known how. One of them was tied, the other loose. Some wheat out of the barn was scattered over the fields. A bridge over a gully which separated the barn from the house was blown bodily away, one of the logs being carried across the farm to the 13TH. LINE. The roof of MR. PAULIN'S house was carried away, together with a quantity of clothing from his upper rooms. MR. PAULIN and his family took shelter in the cellar whilst it passed over.

MY SEARCH, EASTWARD, IN THE TRACK OF THE HURRICANE ON MONDAY JUNE 30TH. 1856.

In company with another person I left WOODSTOCK about half past nine a.m. proceeding northward up the 13TH. LINE. As we approached the 1ST. CONCESSION our attention was arrested by the evidences of the violence of the storm which presented themselves east and west of us—— trees torn up by the roots, fences laid prostrate, the soil ripped up, and so on. We turned eastward with the 1ST. CONCESSION ROAD, being the LINE between the 1ST. and 2ND. CONCESSIONS, BLANDFORD, and so proceeded far on this road, when we observed a number of men busily engaged in repairing the roof and north side of MR. DARDY'S cottage, which is situated on the north side of the road. We got down, scaled the fence, and were soon in conversation with MR. DARDY and his friends. When the tornado caught MR. DARDY'S cottage he was standing near the door but in a twinkling was caught up and flung across the room, going clean over the stove. He was insensible for some moments. On coming to himself he saw that a large portion of his house

WOODSTOCK TORNADO, CONT.

(north side)was carried away, the stove pipe was hurled to a distance of some hundred feet and the principal part of their clothing and other light material were clean gone. MRS. FANNY DARDY'S box, which contained her clothes and bonnet, the lid of which was down before the storm came on was opened and her bonnet and a large portion of her dress were whirled away, never more, we fear to be seen by her. She took her loss very philosophically.

A little northeast of this lay the relics of MR. CHALKLEY'S log cabin, while his three children sat near us on the grass looking in forlorn mood toward the place where once they met around the family hearth. This cabin (CHALKLEY'S) came down about the ears of the inmates, but fortunately, none of them received any serious injury. The eldest child, a boy about nine years of age complained, however, of pain and soreness in the back occasioned by blows from falling timbers.

On we proceeded, passing by scores of men busily engaged in putting up fences in lieu of those torn down and scattered to the "four winds", and soon reached MR. TAPPING'S farm. We were fortunate in finding the proprietor himself on the spot. He told us that he was rather ill and in bed at the time. His son observing the tornado in the distance, ran into his father stating that there was a terrible fire somewhere to the northwest of them. MR. TAPPING got out of bed and a glance at the supposed smoke sufficient to satisfy him as to the true nature of the appearance. So he called to his family to quit the house instanter; and while the words were in his mouth he was enveloped in pitch darkness—— and then his consciousness left him for a few seconds. When he came to himself he found that he was some distance from his house, and the first thing he saw was his little son, at a distance of about twenty yards, whirling, round and round in the air, at an elevation of a few feet from the ground. This continued for about a minute, when the boy fell upon the earth without receiving any material injury. MR. TAPPING who had only his night dress on, then ran towards his cottage, which he saw was utterly roofless, the wreck of which, as well of the little buildings near, were strewn in all directions around the farm. MRS. TAPPING was found lying among some of the ruins, groaning and unable to help herself. She was extricated and by the help of neighbors was soon assembled, she was removed into town and placed under the care of (we believe) DR. LAYCOCK. MR. TAPPING'S clothes, bedding, etc. etc., were all carried away—— indeed there there was not an article left him to put on; but a neighbor soon provided him pro tem with a suit of clothes. Not only was every movable article carried off, but a large portion of the flooring of the cottage was ripped up and

WOODSTOCK TORNADO.CONT.

sent whirling through the space,occasioned by the departure of the roof, far off into the fields.A very promising field of peas belonging to the same sufferer,was literally dug (or torn up)and swept away by the angry element.This family consists of father,and mother,and three children (sons).On we proceeded,passing by,as before,numbers of men engaged in repairing and renewing fences,until we reached MR.JOHN ALLEBY'S cottage, which also presented a ruined appearance,and at which we stopped to make enquiries.

THE WEEKLY GLOBE.TORONTO,MONDAY JULY 7TH.1856.

(Continued from Friday's Globe)

When the tornado was approaching,a friend of MR.ALLENBY,who was then on a visit at his house,caught a view of it,and instantly gave the alarm for all to quit the house,which they did in great haste,dragging along with them two little children who were with them.No sooner had they got into the open air than they were caught by the tornado,and—— enveloped in pitch blackness—— were all hurled towards the fence head over heels.When the darkness cleared off,MR.ALLENBY was seen by his friend twirling round and round in a manner similar to MR.TAPPING'S son above described.But though MR.ALLENBY did not recieve any very serious injury,his body was quiet sore from blows of falling boards,etc,some of which also struck others of the party which included his own family and his visiting friends,four in number.MR.ALLENBY'S cottage was smashed in, roof blown off and,as in other instances already recorded,all the personal clothing,bedding etc,were carried away.Outbuildings,large or small,as the case may be,were demolished and strewed around.

The tornado now crossed the road to the right of us(i.e. to the South side of the CONCESSION ROAD)going in the direction of MR.ALLENBY'S and from the marks of its passage through the woods we inferred that it gained in violence and strength as it traversed this quarter.

We found MRS.WELFORD,her servant,and several neighbors endeavoring to get together such of the clothing and furniture as remained.MRS.WELFORD told us that one chest of drawers was altogether gone,not a vestige of it,or of anything that it contained,having been found;and she invited our attention to a very remarkable fact,which some of your philosophical readers may possibly be able to account for.It was this:among the ruins lay a "stone boat",into a slit in the head of which was so firmly driven a check apron,that it could not be drawn out. Several persons tried to pull it out while we were present,but they found

WOODSTOCK TORNADO, CONT.

it utterly impossible to remove the article, without tearing it, which no one seemed disposed to do. A little dog which had been lying on a sofa in the frame erection, when MRS. WELFORD and her children fled into the brick building, (as recorded before) was carried off several hundred yards and dashed against a stone, where the poor animal was found dying, after the catastrophe had occurred.

Emerging from the 16TH. LINE on to the GOVERNER'S ROAD, we drove towards EASTWOOD, pulling up for a few minutes at the BURFORD HOUSE, kept by MR. TURNER. This gentlemen informed us that MR. HENRY TAYLOR, a farmer nearly opposite, had three sheep killed by falling timber. MR. TURNER saw the tornado approach, making directly towards his house, whereupon he and his wife, MR. LLOYD, and other persons fled precipitately into the field south of the road; but the "destroying angel" was arrested by (it is supposed) a sudden increase in strength in the south wind, for it swerved in its career, and made a clean sweep round MR. HENDERSON'S house on the north side of the road (describing an arc of great extent,) and coming in contact with the barns, granaries, and other extensive outbuildings of that gentlemen, in a twinkle made terrible havoc of them all. We visited MR. WILLIAM HYDE'S premises soon after, which we found greatly injured. MR. HYDE, wife and three children were in the house (a large frame one) when the approaching hurricane was observed. As quick as thought he hurried his children into the cellar but —— whether suddenly overcome by terror or what else we cannot say, MRS. HYDE would not go down, and before a second effort on MR. HYDE'S part to get her to comply with his wishes could be tried, crash came the house about their ears. The cooking shanty was blown quite away —— fortunately the fire was extinguished in the stove, or a fire would have completed the ruin which the storm had made so terrible a commencement with: half the house was demolished, and the other half stripped of its roof and gutted of most of its contents. We found MR. HYDE and a few of his friends busily engaged in trying to repair the half of the house that suffered least injury —— by no means repining at his loss, but on the contrary, congratulating himself on his good fortune in having escaped without personal injury. Indeed, he was able to afford a hearty laugh when narrating the aerial flight his horse took to the distance of a couple of hundred yards —— the whirlwind having lifted the stable, and all within it, including the four footed tenant, and carried the whole concern from one location to another, without injury to the animal or material damage to the stable. MR. HYDE'S barn also fell a victim to the violence

of the storm.

MR. HOPKIRK'S cottage was next demolished and his son whirled into the air. The poor boy fell so heavily in his descent that one of his thighs was broken, and he likewise received bruises in other parts of his body.

MR. FRANKLIN COWAN who was on the road, observing the tornado rapidly approaching the road, gave both the whip and the reins to his horse, in the hope of getting pass the point where he concluded the storm would cross the road. But the raging wind was not to be outstripped by the fleet movement of the horse —— a fact which MR. COWAN discovered before the persuing enemy came down upon them. He and his sister, therefore, got out and the latter by running back some distance, escaped the danger of being in the course of the tornado: while her brother anxious for the safety of his horse ran forward and seized the animal by the head, which he no sooner had done than the buggy was lifted up in the air, whirled about and smashed into a thousand pieces, at the same time every atom of harness that was on the horse was stripped clean off and carried away —— no one can tell or imagine where. MR. COWAN was struck senseless by the tornado, and when he recovered his perception he found himself lying against a shattered fence on the side of the road, and feeling himself greatly injured from falling boards and other things with which he personally came in contact. The poor bewildered horse was seen still standing on the road trembling with terror, drenched with rain, and utterly destitute of every vestige of his former trappings.

The next victim of the angry element was the EASTWOOD TOLL HOUSE. Away went the roof, out flew the clothes, papers and light furniture, and crash went the gate itself, while the keeper nearly dead with fright, wonderfully escaped with a few bruises.

The residence of MR. PHELAN, senior, followed in the spreading ruin. The building was made quite a wreck, and the old gentlemen himself was carried through the house and to some distance beyond it, but without receiving much injury.

There were several persons in the tavern owned by MR. PHELAN, the younger, at the time, and three of them ran to shut the door, but their united strength was unable to bear against the pressure from without. The TAVERN, though not apparently much injured, was shaken throughout, some shingles were removed, and a few of the joists in the upper storey were forced out of their places. A barn which stood a few rods off was

WOODSTOCK TORNADO, CONT.

pushed out of its place, and other alterations in the disposition of fences, carts and so on, also took place, which it is unnecessary to mention. Whether the tornado divided at this spot, or after the destruction of the STATION HOUSE it is impossible to say; but a close observation of the respective positions of the places next visited would seem to indicate that the tornado was divided at this place. But be that as it may—— one thing is certain that it fell with tremendous effect upon this devoted locality. Messrs VANSITTART and COTTLE'S SAWMILL was stripped of its roof on the south side; and six shanties in the immediate locality were laid prostrate. And now I come to the most distressing part of my narrative, viz.—— the destruction of MR. PATRICK GLEESON'S residence and the STATION HOUSE of the GREAT WESTERN RAILWAY at EASTWOOD.

MR. GLEESON, who for some years has been in MR. VANSITTART'S employ as sawyer; is a man of exellent character. MRS. GLEESON was not at home on Sunday last, having gone to render assistance to her sister—— hence she escaped the calamity which fell upon her husband and children. GLEESON and his children were sitting in the house when the tornado swept it away—— smashing it into minute pieces and strewing them all around to the extent of several rods from the foundation. Poor GLEESON and his children were swept away also, and when they were found one of the children, a boy of about four years of age, was dead, another child was dreadfully mangled, and the father (to use the words of my informant) had hardly any life in him.

Passing over the pounded and widely spread ruins of MR. GLEESON'S residence, I hastened to see the ruins of the STATION HOUSE—— which I found were in a heap and not scattered about as were those of the former. I learned that the STATION-MASTER, MR. ROBERT TROLLOPE, (a man highly esteemed by all who knew him) and his wife had, with their children, left their cottage a short time before the tornado reached EASTWOOD, and proceeded to the STATION -HOUSE. They sat down on a bench on the platform having their faces directed southward, with the intention of reading for some time. While thus engaged, MR. TROLLOPE'S attention was arrested by a noise at the back; he accordingly got up and passed quickly through the freight houses to see what was wrong on the north side of them. Catching a glimpse of the tornado, just then bearing down upon the STATION, he ran to hasten his wife and children out of the range of danger—— but! alas it was too late, for before they could pass through the building, down it came, burying them all beneath a mass of heavy timber. The machinist employed at the

WOODSTOCK TORNADO,CONT.

MILL,and a boy named FITZGERALD,were the first to arrive at the dismal scene,being quickly followed by MR.DOUGLAS,MR.SMITH,and other neighbors. MR.and MRS.TROLLOPE were found buried beneath planks,etc.,bleeding profusely;they were however,still living,but the former died about six o'clock the same evening.One of their children,a girl about five years of age,was found dead,while the baby and another child were more or less injured.No hopes,I understand,are entertained of the ultimate recovery of MRS.TROLLOPE,or of MR.GLEESON'S other child.

ANOTHER ACCOUNT

A BRIEF ACCOUNT OF WHAT I OBSERVED OF THE TORNADO OF SUNDAY JUNE 29TH. 1856.

As I sat in my cottage (which is situated on the west side of WILSON STREET,SOUTH END near the GREAT WESTERN RAILWAY)on last Sunday afternoon my attention was arrested by the rumbling murmur of thunder, apparently overhead.The sun was shining at the time,and the sky westward was clear,with the exception of some few clouds which were high up in the air.I rose from my seat and walked quickly into the open space,at the rear,whence I had a clear view to the distance of several miles, south,west,and north.As my situation was rather low,I got upon an eminence, and first directed my attention to the sky immediately overhead.The clouds were light,greatly elevated and gently moving in an easterly direction—— not being sufficiently dense to obscure the sun's disk.While endeavoring to observe whether any visible alteration to the disposition or character of the clouds did not take place,on each discharge of "heaven's artillery", I felt a stiff breeze blowing from the south.My eye,about the same time caught a large body of dense,black clouds,(much nearer the earth than those light and beautiful clouds I had been observing a minute before,) rolling on,and accumulating as they proceeded towards the north inclining somewhat to the west.The breeze quickly increaced to a strong wind.As my eyes just at this time took a survey across the expanse I observed another dense body of cloudsin the northwest extremity of the heavens,advancing from the north and taking a course opposite to the mass of clouds nearer to me.The nearer body of clouds,going north,appeared to me to be passing over the western extremity of WOODSTOCK,while clouds in the northwest (i.e.supposing a line drawn from where I stood to the spire of the GAELIC CHURCH,and on in the same direction)were evidently several miles off. I involuntary exclaimed,"we're going to have something now",and wishing to have some fellow observers,I looked towards my neighbors cottage hoping

WOODSTOCK TORNADO, CONT.

to see him or some of his family; but as they were in the front looking east, I failed in my object; and being deeply interested in what was going on in the upper regions, I dare not allow myself even a moment to run round and call to them. The velocity of the advancing clouds increased amazingly as they approached the apparent line of contact, which seemed to me to extend along the north side of the town, but approaching it somewhat nearer towards the eastern end. Anticipating a whirlwind, I jumped down from my place of standing, and ran to my neighbor's fence, which I mounted —— wishing at the same that I was in one of the attics of the ELGIN BLOCK, steadily keeping my gaze directed to the northwest point. And here let it be observed that although I have said that the clouds coming from the south extended as far as the eye could reach, I nevertheless distinctly saw a streak of sky just above the horizon, which led me to infer that no storm raged; but I was unable to see the northern horizon owing to the buildings of the town which excluded it from my view.

Presently I observed to the far northwest angle a sudden commotion in the clouds. The opposing bodies soon met and the blue horizon to the northwest began to extend from which, every alternate minute twirling columns of smoke as it were, rapidly ascended to the great mass of clouds above —— these ascending columns succeeding each other with increasing fury and enlarged volume, as they approached WOODSTOCK. While tracing the course of the whirls, I observed that they did not adhere strictly to the straight line of march, but would now be nearer the town, and again a little more distant. As I was watching their progress westward, an immense volume of brown earth-like substance rose at the rear (from my point of view) of the BAPTIST CHURCH. It had a truly awful appearance. Just now the rain began to fall, and as the storm was passing beyond my view I rushed through my cottage, back and front doors being open, to trace the progress eastward, and on running into the street, (WILSON STREET) a neighbor exclaimed "O see what a terrible whirlwind that is," I replied "I have been watching it for the last half hour." The rain now came down furiously, which partially obscured our view of the tornado as it proceeded towards the direction of EASTWOOD, and in a short time I ceased to observe it altogether. The lightning and thunder all the time increasing, the former in vividness, the latter in noise.

Thus far my observations of the tornado which passed along the northern border of the town of WOODSTOCK on to EASTWOOD on Sunday June29th. 1856.

WOODSTOCK TORNADO. (13)

THE WEEKLY GLOBE.TORONTO,MONDAY 7TH.1856.

FROM THE BRANT EXPOSITOR.

Another of those frightful visitations to which we seem in this latitude to be peculiarly liable,occurred at EASTWOOD STATION,near WOODSTOCK,yesterday afternoon.We are not able to give the full particulars till Friday,but we learned the following from the conductor as we passed along in the cars yesterday at noon.The whirlwind came rushing on from two opposite directions with a frightful noise,and descended on the STATION and immediate neighborhood.The new STATION HOUSE was lifted from its foundations and carried to the height of one hundred feet in the air, when it blew up and fell to the ground in fragments.The inmates,consisting of the StationMaster,his wife and child were found at great distances from each other.We regret to say that the man and child were dead,and that the wife is lingering in a hopeless state.

We hear also that there is much greater loss of human life.

A farmer saw fifteen sheep carried up into the air and has not since found them.One of the cars that stood upon the track was blown off, and a brick house was blown down.

Many barns were also blown over,and much lumber and other loose materials was carried as far as PARIS.A great many trees as at INGERSOLL, in 1848,were torn up by the roots and carried to a great distance.

Severe as were the effects of Sunday's storm,that of 1848 which struck CHOAT'S farm actually drove large saw logs on end along the ground, and the top of a large pine tree was spun round in the air,out of sight, and landed on the top of a high hill at a great distance.

WOODSTOCK TORNADO, of SUNDAY JUNE 29TH. 1856.

THE DAILY NEWS, KINGSTON. TUESDAY JULY 8TH. 1856.

(FROM THE WOODSTOCK SPIRIT OF THE TIMES.)

It is now eight years since this neighborhood was visited by a storm equal in violence, and in its effects at all approaching to that which passed over a little to the north of this town on the afternoon of Sunday last. About three o'clock, in the direction of EMBRO, a dark column of matter was seen approaching —— the surrounding atmosphere black and threatening. As the column travelled the noise was like the mighty cataract of Niagara. It swept over VANSITTART STREET, a little to the north of the limits of the town, passing over the property of GEORGE ALEXANDER, ESQ., twisting and uprooting, breaking and destroying trees in every direction. The chimneys of MR. ALEXANDER'S dwelling were scattered about, his coach-house and stable was completely unroofed and the frame partially injured, his poultry house was bodily carried off, the barn was warped into a mingled mass of broken boards and timbers, and the roof of an adjoining farm house, also the property of MR. ALEXANDER, was carried off and deposited at a distance of a quarter of a mile, ALTADORE, the residence of T.J. COTTLE, ESQ., barely escaped. On passing eastward the tornado levelled every fence it encountered with the earth, or scattered the boards and rails over the adjoining fields. In EAST ZORRA, MR. RICHARD ADAMS had his barn and sheds destroyed. MRS. WELFORD'S brick house and a valuable barn adjoining, was we understand, also left a mass of ruin. W.S. HENDERSON, ESQ., had his barn partially destroyed; but it was at EASTWOOD where the storm was most destructive.

The TOLL HOUSE at the junction of the PARIS and BRANTFORD ROADS was demolished. The stable belonging to the large INN of MR. PHELAN was destroyed. The roof of MR. VANSITTART and COTTLE'S STEAM MILL was considerably damaged. The freight HOUSE of the GREAT WESTERN RAILWAY COMPANY, was completely shattered to pieces, burying MR. TROLLOPE, the agent, and his child beneath the ruins. MR. TROLLOPE was taken out alive, but died shortly after; the child was dead when found. A child belonging to a person by the name of GLEESON was also killed, and we hear of eight or ten persons being seriously injured. MR. IMPETT of EAST ZORRA, we learn has had several head of cattle and about fifteen sheep killed. MR. JOHN HATCH had a dwelling house and a quantity of lumber and building material destroyed, but with the exception of those at EASTWOOD, we have not heard of any further personal injury.

Nothing could exceed the consternation and alarm created. The appearance of the sky was frightful. Dense masses of angry looking clouds

WOODSTOCK TORNADO, CONT.

accompanied the whirlwind, and it was suceeded by a succession of terrific flashes of lightning. A heavy shower of rain followed, and in about three hours, except on the track made by the whirlwind, all trace of the storm had disappeared. It was exceedingly fortunate that the tornado passed to the north instead of over this town. The storm passed over about ten miles of countryand has left a fearful picture behind it.

COMPARISON OF STORM ON JUNE 29, 1856 WITH THAT OF JUNE 30, 1856 and SEPT 20, 1845

1

THE DAILY GLOBE, SATURDAY, JULY 12TH. 1856.

STORM DATE. SUNDAY JUNE 29TH. 1856.

THE TORNADOES OF THE GREAT LAKES.

The terrific tornadoes, which visited UPPER CANADA, on Sunday the 29th. and CHATAGUAY and its vicinity on Monday the 30th. ult., were similar to that which passed from LAKE ONTARIO to LAKE CHAMPLAIN, on the 20th. of September 1845, leaving in the TOWNSHIPS of FOWLER and EDWARD, in ST. LAWRENCE COUNTY, (NEW YORK STATE.), records of force that a quarter of a century of time will scarcely obliterate. That storm was rent asunder by the white-faced peak of the ADIRONDACKS. Another which was accompanied by a great water-spout was central at ARLINGTON, and that vicinity near the northern shoresof LAKE ONTARIO. The waterspout moved, and rested upon LAKE SCUGOG, and at one time appeared as if it would drain the lake, when in an instant a thunder-bolt accompanied by lightning was directed against it, it fell with a tremendous burst of wind, the cloud divided, one part crossing LAKE ONTARIO, and passing to WEST CANADA CREEK, raised its waters so quickly and so high that the Railroad bridge was lifted off and so sudden that the UTICA train was submerged before the conductor was aware of the difficulty. Another part of the storm passed down the ST. LAWRENCE to QUEBEC. Another tornado visited CORNWALL, on the ST. LAWRENCE RIVER, no very great distance from where the tornadoes of the 30th. passed over. All of these three tornadoes were preceded by great commotion in LAKE ONTARIO, the lake ebbing and flowing every few minutes for hours, and on the 20th. September, to such an extent at PORT HOPE and COBURG, as to leave the bottom of the lake dry at the steamboat wharves. I visited the great northern wilderness shortly after the tornadoes of the 20th. of September, 1845, and examined the record which the storm had left. Had that storm entered the metrpolis of the State with the force that it entered the wilderness, the great city would have been made a great ruin.

The STATE of TENNESSEE, in that portion of it contiguous to the earthquake district of NEW MADRID, was, for many years, the favorite resort of hurricanes. I have encountered the ravines made by tornadoes in the wilderness of that country 40 years ago, and been obiged to ride many miles to find a passage for my horse, so completely did the wind pile up the forest trees in perfect winnows, and one of these was, many years after, when the fallen trees had become dry, fired by lightning, the fire following in the path of the hurricane, and after this sprung up a peculiar growth of vegetation. Limestone rocks, in this great fire, were completely calcined,

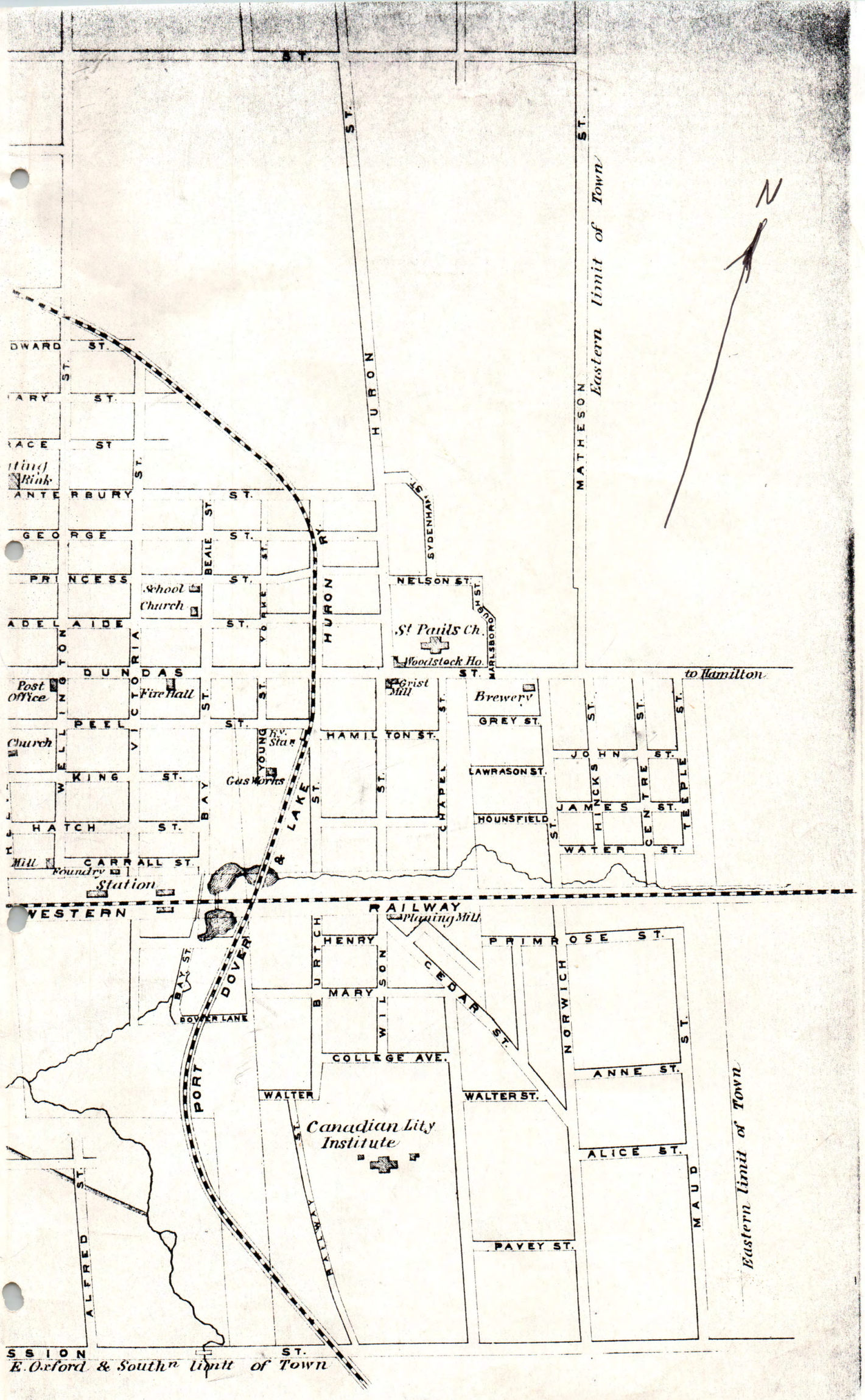
THE TORNADOES OF THE GREAT LAKES.CONT.

and were afterwards slacked by the rains, presenting a new feature in its geology.

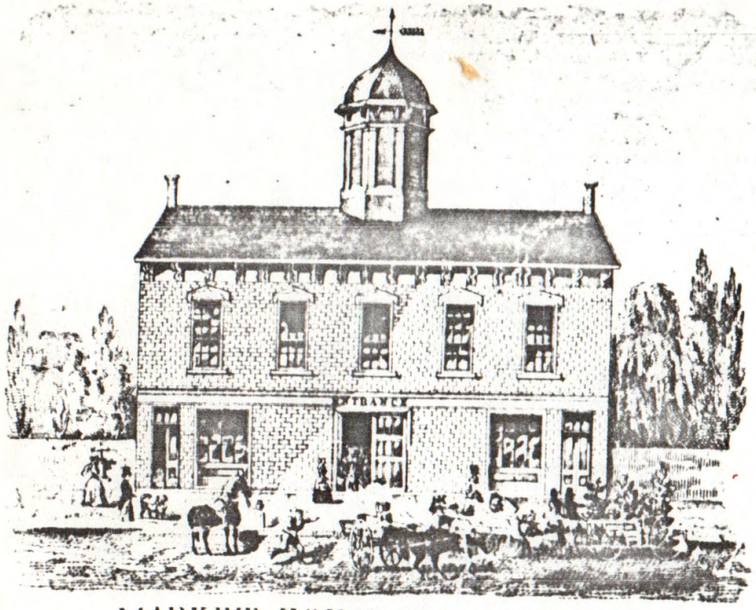
Our recorded observations show that great heat or intense cold in our atmosphere are connected with extraordainary phenomena at distant points.

F.MERIAM.

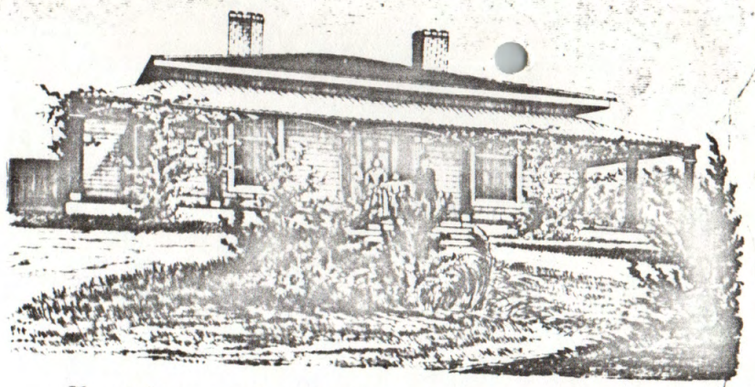
BROOKLYN HEIGHTS, JULY 9TH.1856.



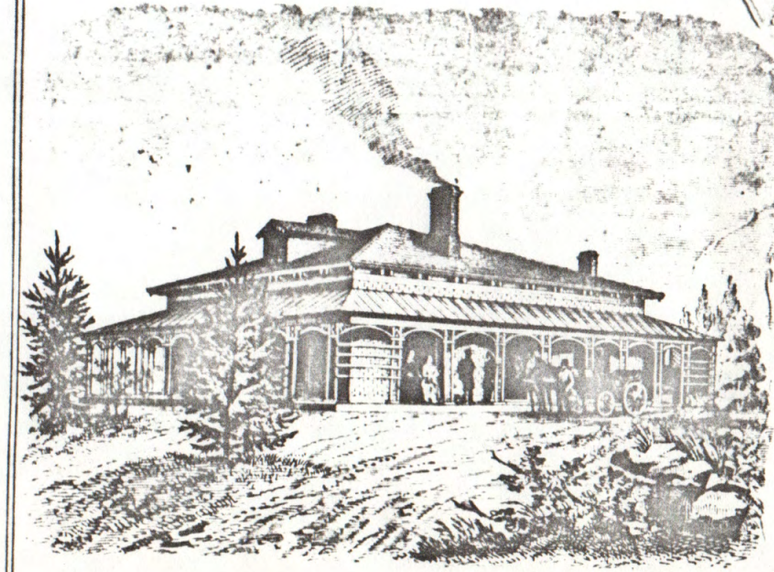
N
Eastern limit of Town
HURON ST.
MATHESON ST.
DWARD ST.
ARY ST.
RACE ST
ANTERBURY ST.
GEORGE ST.
PRINCESS ST.
ADELAIDE ST.
DUNDAS ST.
PEEL ST.
KING ST.
HATCH ST.
CARRALL ST.
WELLINGTON ST.
VICTORIA ST.
BAY ST.
BEALE ST.
YORKE ST.
YOUNG ST.
HURON RY.
SYDENHAM ST.
NELSON ST.
MARLSBOROUGH ST.
HAMILTON ST.
CHAPEL ST.
GREY ST.
LAWRASON ST.
HOUNSFIELD ST.
JOHN ST.
JAMES ST.
WATER ST.
HINCKS ST.
CENTRE ST.
TEEPLE ST.
to Hamilton
School
Church
St Pauls Ch.
Woodstock Ho.
Post Office
Fire Hall
Grist Mill
Brewery
Church
Gas Works
Mill
Foundry
Station
WESTERN RAILWAY
Planing Mill
PORT DOVER & LAKE
BAY ST.
DOVER LANE
BURTCH
HENRY
MARY
WILSON
CEDAR ST.
PRIMROSE ST.
NORWICH ST.
COLLEGE AVE.
WALTER
WALTER ST.
ANNE ST.
ALICE ST.
MAUD ST.
PAVEY ST.
RAILWAY ST.
Canadian Lity Institute
ALFRED ST.
SSION ST.
E. Oxford & Southn limit of Town



MARKET HOUSE & TOWN HALL,
Ingersoll.



Residence of JOSEPH SUDWORTH, Esq.r
First Mayor of Woodstock.

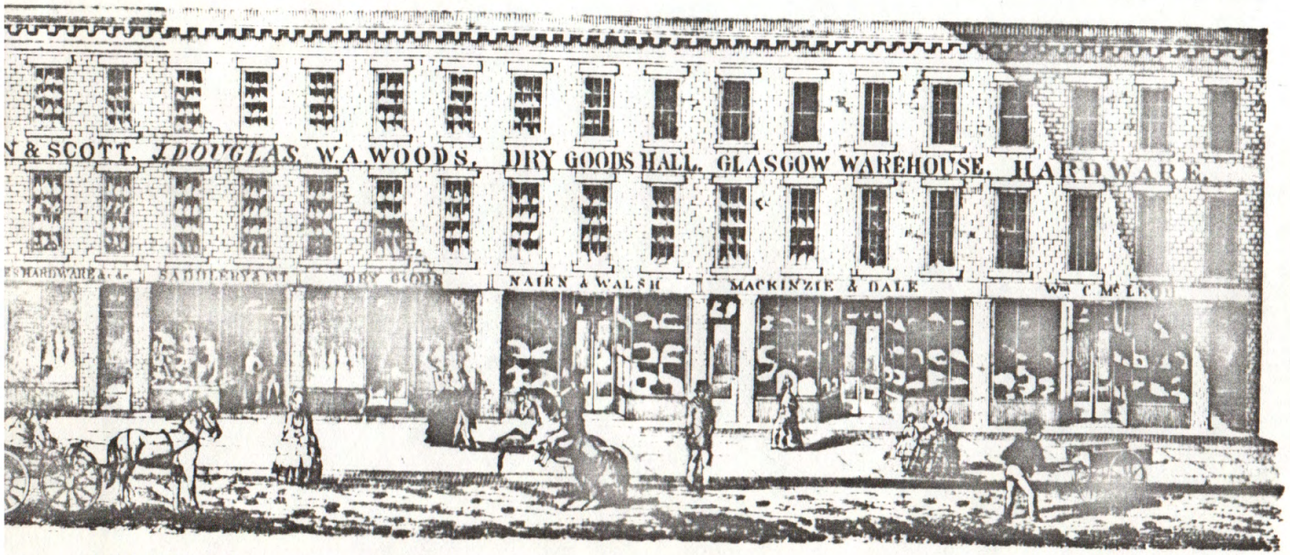


Residence of GEO. ALEXANDER, Esq.r Woodstock.
President of the Provincial Agricultural Association.



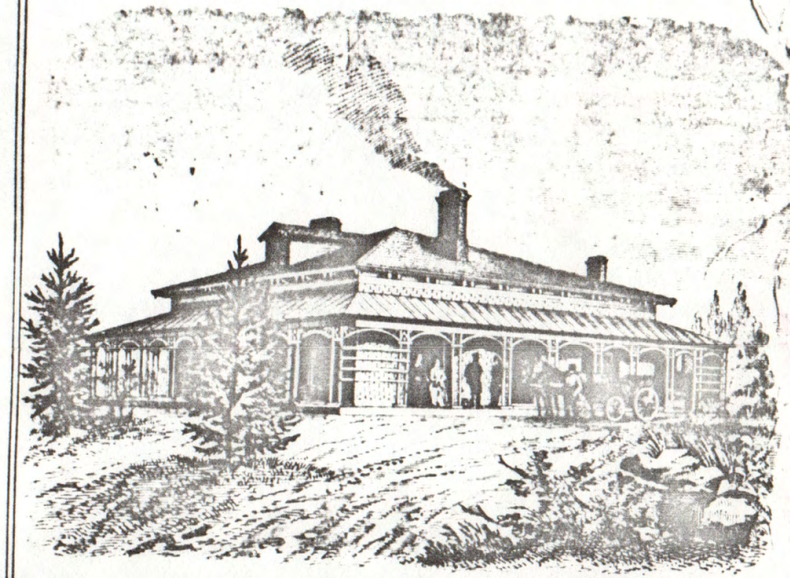


MARKET HOUSE & TOWN HALL,
Ingersoll.



DUNDAS STREET, Woodstock, "West End".

First Mayor of Woodstock.



Residence of GEO. ALEXANDER, Esq.r Woodstock.
President of the Provincial Agricultural Association.