

The image shows the front cover of an antique book. The cover is decorated with a traditional marbled paper pattern, featuring vertical bands of red, blue, and cream colors with a repeating, wavy, scale-like motif. A central, rectangular, light green paper label is pasted onto the cover. The label has a decorative border consisting of a repeating pattern of small circles. The text on the label is printed in a dark, serif font. The book's spine, visible on the left, is made of dark brown, worn leather.

DAILY
JOURNAL.
1873.

SUPERHEATED STEAM.—While the discussion is going on in some quarters as to the possible destruction of buildings by means of superheated steam conveyed in iron pipes, it may be interesting to know what superheated steam really is. This mysterious article, says the *Journal of Commerce*, is simply steam deprived of its moisture and its temperature increased. It has been freely used for about thirty years, and is generally made by passing the steam pipe through another furnace. The dry steam can thus be raised to a temperature of 900 degrees and even greater; but no apparatus for heating buildings in this city has any such attachment, so far as ascertained. It would be unnecessary. Engineers employed in putting up wooden stills for distilleries say that they have noticed frequently, when taking down old stills, that, where pipes passed through the wooden floors of the compartments and in contact with the wood, though the average pressure was not more than four pounds of steam, the wood had been charred, and any draft might have caused it to inflame. The practice is now to leave the wood exposed, by fastening the pipe on the upper and lower sides of the wood. There seems to be very little doubt that if steam-pipes are placed so that one or two inches of air can freely pass between the wood and the pipe there will not be any danger.

HOW TO CHECK FIRES.

The following remarks from the *Fall Mall Gazette* may suggest to many that watchfulness and great care are perhaps the best protection from fire:—

The great fire in Upper Thames-street administers a broad hint to London that, although it has escaped the fate of Boston and Chicago, it stands in the uncomfortable position of being at the mercy of an agent far beyond the control of any means or appliances we possess for its arrest. The buildings destroyed on Sunday are said to have been fireproof; there seems to have been no lack of water, and all that the exertions of the firemen could do was done to check the advance of the flames, which, nevertheless, asserted their mastery, and only gave over the contest when they had reduced to a ruin the vast pile of buildings they attacked. The truth is that fire to be dealt with properly should be strangled in its infancy. A small jug of water properly applied at the right moment would have prevented the conflagration which an hour later all the fire-engines in London could not subdue. It may be said that the fire was not discovered until it had obtained such a hold on the building that its progress could not be checked, but the answer to this is that the fire should have been discovered. Such a large establishment as the City Flour Mills should be kept under constant supervision by day and by night. As well might it be asserted, if London had been in flames, that the fire in Thames-street had not been observed until it had spread to adjoining streets. As one room in the City Mills was to the rest of the building, so was the building itself to the rest of London. The fire was first discovered from without by a glare at one of the windows, whereas it ought to have been discovered inside before it had time to show itself outside.

LANDS for SALE AT BAYFIELD.

LOTS NO'S. 71 & 72 BAYFIELD CONCESSION
 Township of Goderich, comprising 146 acres of the best quality of land, within about 2 miles of the Market place of the Town of Bayfield. There is a clearance of 23 acres which could readily be prepared for crop. The remainder of the land is closely covered with the best of beech and maple timber of splendid growth, an excellent road passes on two sides of the property, which is situated in an old and well settled neighbourhood.

ALSO.—Lot 14, Range A Township Stanley, containing 39 acres of well reserved timber land, which would produce a large quantity of firewood to the acre. The lot runs to the River Bayfield with a considerable water fall which could be made available for milling or manufacturing purposes. For terms apply to, **JAMES D. ALLEN,** Guelph.

or W. W. CONNOR, Esq. Bayfield.

—The late Mr. Gillott, the great pen manufacturer, was not only an ardent admirer of the fine arts, but he also had a passion for collecting fine violins, although not himself a player. He possessed a very valuable collection of the rare instruments, including several genuine Cremonas. In fact, the three great families of violin makers of Cremona were represented—Amati, Guarnerius and Stradivarius. Some of these cost £400 each.

TEMPERING MILL PICKS.—As Mr. A. Smith has made inquiries respecting tempering mill picks, I forward for his use the following extract from the "Millers' Guide":—"Heat the bill to a blood red heat, and then hammer it till nearly cold; then again heat it to a blood red, and quench as quick as possible in three gallons of water, in which is dissolved 2oz. of oil of vitrol, 2oz. of soda, and 1 1/2oz. of saltpetre. The bill to remain in the liquor until it is cold." I gave 10s. for the above receipt, and after twelve months' experience I consider it well spent money.—**BYRON.**

A new kind of pipe has been devised for the conveyance of water. Hitherto no one could drink water that had long stood in common lead pipes without danger of taking a poisonous oxide. The new pipes, it is thought will carry the water as pure as when it first entered them. They are made with an outside of iron and an inside of glass, while between these two surfaces there is a cushion of plaster of Paris, which, being a non-conductor, keeps the pipe cooler in summer and warmer in winter than the ordinary kinds. The smoothness of the glass also decreases the friction, so that water can be carried to a greater height with the same force; while the pipes cost less than lead pipe and less than half the price of tin-lined or block-tin pipe. This pipe, it is also said, can be used for the conveyance of gas, the glass preventing the loss which takes place through the pores of iron pipes, and of other liquids which it is desirable to keep pure.

	SUN.	MON.	TUES.	WED.	THUR.	FRIDAY.	SAT.
July	1	2	3	4	5	6	7
Aug	8	9	10	11	12	13	14
Sept	15	16	17	18	19	20	21
Oct	22	23	24	25	26	27	28
Nov	29	30	31	1	2	3	4
Dec	5	6	7	8	9	10	11
Jan	12	13	14	15	16	17	18
Feb	19	20	21	22	23	24	25
March	26	27	28	29	30	31	1
April	2	3	4	5	6	7	8
May	9	10	11	12	13	14	15
June	16	17	18	19	20	21	22
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April	19	20	21	22	23	24	25
May	26	27	28	29	30		

Machinery.



J. McKELVEY'S
PATENT CREAM STILL,
OR
PORTABLE CREAM GATHERER.

In drawing the attention of the public to the advantages of this invention, it will be only necessary to state that its merits have been thoroughly tested for over four years, and with unprecedented results. I can therefore speak with great confidence of its worth to farmers and others who require to make superior butter, or to raise cream in quantity or quality unequalled. Its effects produced is the greatest wonder of the present age, that an apparatus in the form of a bureau and occupying no more space, — composed of iron composition, packing and wood, — will produce on an average 30 per cent more cream than hitherto, (ice required only in hot weather) when the result will be 30 per cent. more cream. The cream churning much more easily than when the milk is placed in cellars, and is therefore, more benefit in saving labour than all the patent churns ever invented. No cellar is needed in using it, in fact it will not answer in a cellar at all. It stands much superior to the best cellar with the finest spring in it on the Continent of America. Any room or woodshed that is light, dry, and airy, is the place required. In the hottest weather, and the heaviest thunder storms, with ice in the ice chambers, the milk will remain sweet 72 hours, the cream will be on the surface in 24 hours on an average: always skims sweet. The carrying of milk down and up stairs is obviated, and neither flies, dust, nor vermin of any kind disturbing the cream, and no specks to pick out of the butter. Such clean and beautiful butter cannot be made the old way. I am frequently receiving testimonials from persons using these stills, all of whom speak of the superior value of their butter in price and quality. To give you reliable information, the milk of four cows when placed in this still is equal to the milk of six cows when placed in average constructed underground cellars, for the production of superior cream and butter. I will warrant and guarantee in any way the purchaser may wish, to secure 50 per cent annually over all running expenses for money invested in the Still; and I would further state that it is the only mechanical invention adapted to the wants of milk ever brought into use. It is especially adapted to our very warm and changeable climate, and finally there are few men who can procure ice easier than a farmer, as very many of them have ponds or streams on their own farms, and can cut and pack all the ice they want in two days.

To make an Ice House 10 feet square, take four two inch thick planks, 12 feet long; lay them at right angles, blocked up two inches from the ground, on a level spot. To form the foundation, stand and plumb a scantling, 2 by 4 inches, and ten feet long, at each corner; then stand inch boards, 12 inches wide and 10 feet long, face to face, about 4 feet apart, to the edge of the plank; board on the edges horizontally, inside and outside, about 3 feet 6 inches high on inside. Run the outside sheeting to the roof; fill the space with tan-bark or sawdust, 8 feet 6 inches from the foundation. Leave three holes under each side of the eaves, 3 inches square, for the circulation of air. Make a common single roof that will turn rain, either with shingles or boards. Place the door in either the south, north or east end. Have the door step 18 inches from the ground, packed with dust as before, and make the door 3 feet wide and 6 feet 6 in high. One door will answer. Lay 6 inches of leached hemlock tan-bark on the ground, inside, and lay the ice thereon. It is best to cut the ice 13 inches wide, and 18 inches long saw it as plumb as possible, and the blocks will fit the chambers in the Still. It is better to cut your ice when it is frozen 11 or 12 inches thick; pack close together in the house. Lay six inches of clean pine sawdust on the top of ice, when done packing. Build house square; you can enlarge or decrease size of house to suit the taste. Do not dig in the ground at all.

Fourteen hundred feet of common pine lumber will be enough to complete an ice house of these dimensions.

This Still is made in different sizes and prices, to suit the requirements of purchasers, fitted with pans and thermometer complete, ranging in capacity for the milk of 1 to 12 cows, at prices from \$20 to \$90. Six to 12 months' credit given if required. Eight per cent discount for cash. Refrigerators — These can be highly recommended for quality and durability, combined with utility and lowness of price to be the best in the market. A trial is solicited. Price \$3 to \$35. All orders promptly attended to, addressed to

JAS. MCKELVEY, St. Catharines, Ont.

1230-24 cow.

DAILY

URN

FOR

1873.

TORONTO:

PRINTED BY BROWN BROTHERS,

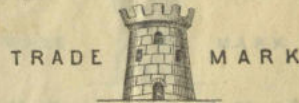
MANUFACTURING STATIONERS.

W
A. J. FOSTER, JR.
MANUFACTURER OF
DISTILLERY TUBS, TANKS, CISTERNS, AND BEER STILLS.
RESIDENCE CORNER OF LAFAYETTE AVENUE AND CASS STREET.
MASTER BUILDERS.

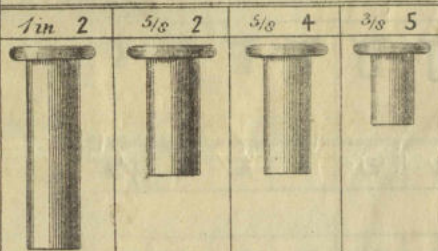
Debit,

1873

NETTLEFOLD AND CHAMBERLAIN.



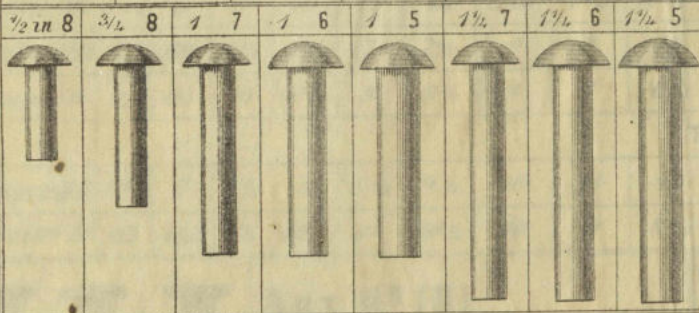
BIRMINGHAM, SMETHWICK & KINGS-NORTON.



ART. N^o 97

STOVE & FENDER RIVETS. ANNEALED.

Per Cwt	PRICE					Disc ^t %
	Diameter W.G.	To N ^o 2	N ^o 3	N ^o 4	N ^o 5	
Price per Cwt	38/-	40/-	42/-	44/-	46/-	



ART. N^o 97A

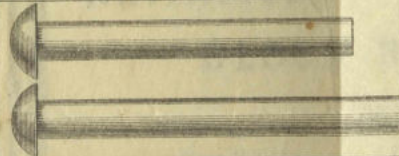
AMERICAN STOVE RIVETS. ANNEALED.

Per Cwt	PRICE				Disc ^t %
	Diameter W.G.	To N ^o 5	N ^o 6	N ^o 7	
Price per Cwt	44/-	46/-	50/-	56/-	



ART. N^o 98
CANADA SHOVEL RIVETS.
ANNEALED.

N ^o 5 W.G.	PRICE	Disc ^t %
	56/- p ^r Cwt	



ART. N^o 98A
CANADA
SLEIGH RIVETS
ANNEALED

N ^o 6 W.G.	PRICE	Disc ^t %
	46/- p ^r Cwt	

COOPERS' RIVETS.

3 lbs	4 lbs	5 lbs	6 lbs	ART. N ^o 99 FLAT HEADS	8 lbs	10 lbs	12 lbs	14 lbs
16 lbs	18 lbs	20 lbs	24 lbs	28 lbs	32 lbs	36 lbs		

ART. N^o 99A

COUNTERSUNK HEADS.

3/8 x 3/16	1/2 x 3/16	5/8 x 3/16	3/8 x 1/4	1/2 x 1/4	5/8 x 1/4	1/2 x 5/16	5/8 x 5/16	3/4 x 3/8

Per Cwt PRICE LIST OF COOPERS' RIVETS. Disc^t %

ART. N ^o 99 FLAT HEADS.								ART. N ^o 99A COUNTERSUNK HEADS.						
Weight	3 lbs	4	5	6	8	10	12	14 & upwards	Diameter	3/16 in	7/32	1/4	5/16	3/8 & upwards
Price	46/8	44/4	42/-	39/8	37/4	35/-	35/-		Price	46/8	44/4	39/8	37/4	35/-

NETTLEFOLD AND CHAMBERLAIN.

TRADE MARK



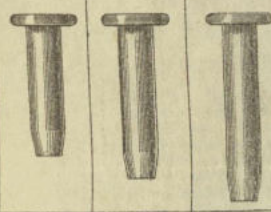
BIRMINGHAM, SMETHWICK & KINGS-NORTON.

ART. N^o 100

TINMENS RIVETS.

Disc^t %

N ^o 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
BLACK																
Weight pr Mil	4 oz	6	8	10	12	14	16	1 1/4	1 1/2	2	2 1/2	3	4	5	6	7 lbs
Price per Mil	6	6 1/4	6 1/2	6 3/4	7	7 1/2	8	9	10	1 1/4	1 1/2	1 3/4	1 7/8	2	2 1/4	2 1/2
Price per lb	2/-	1/3	1/1	10 1/2	9	8 1/2	8	7	6 1/2	6	5 1/2	5	4 3/4	4 1/2	4 1/4	4
TINNED																
Price per Mil	6 1/2	7	7 1/2	8	8 1/2	9 1/4	10	1 1/4	1 1/2	1 3/4	1 7/8	2	2 1/8	2 1/4	2 1/2	2 3/4
Price per lb	2 1/2	1/5	1/3	10 1/2	11	10 1/2	10	9	8 1/2	8	7 1/2	7	6 3/4	6 1/2	6 1/4	6



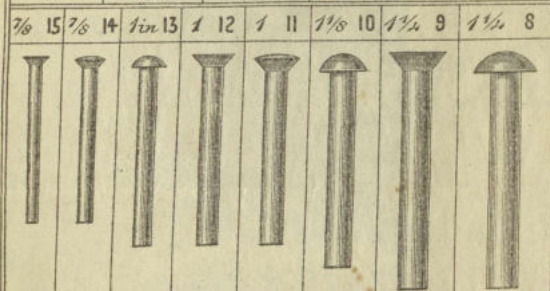
ART. N^o 101
PATTEN RIVETS.

PRICE
Per 112 lbs 44/- Disc^t %



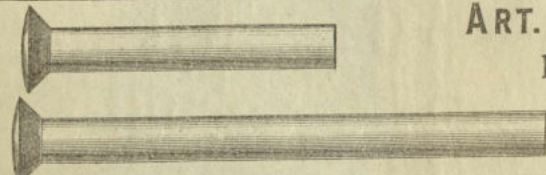
ART. N^o 102
BLOCK RIVETS.

PRICE
Per 112 lbs 44/- Disc^t %



ART. N^o 103
GILL RIVETS (ANNEALED BRIGHT)
FLAT, RAISED, OR ROUND HEADS.

Per Gross	PRICE								Disc ^t	%
Wire Gauge	N ^o 8	9	10	11	12	13	14	15		
Screw Gauge	N ^o 8	7	6	5	4	3	2	1		
7/8 1 1/16 & 1 in	1/3	1/2 1/2	1/1 1/2	1/1	10 1/2	10 1/2	10 1/2	10 1/2		
1 1/8 & 1 1/4	1/5 1/2	1/5	1/4	1/3 1/2	1/3 1/2	1/3 1/2	1/3 1/2	1/3 1/2		
1 3/8 & 1 1/2	1/7 1/2	1/6 1/2	1/6	1/6	1/6	1/6	1/6	1/6		



ART. N^o 104
PLOUGH RIVETS.

Per Gross PRICE Disc^t %
1 5/8 in 13 2 3/4 in 13
1/6 3/-



ART. N^o 105
REAPING MACHINE RIVETS.

PRICE
Per 112 lbs 56/- Disc^t %

1/4 X 3/16	3/8 X 3/16	1/2 X 1/4	5/8 X 1/4	1/2 X 5/16	3/8 X 5/16	3/4 X 5/16	1/2 X 3/8	5/8 X 3/8	3/4 X 3/8	3/4 X 3/8

TRADE MARK



ART. N^o 106
ROUND & PAN HEAD RIVETS.

Per 112 lbs	PRICE										Disc ^t	%
Diameter	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8	1		
Price												

RATES OF POSTAGE.

Canada Post Card, One Cent.
 ON LETTERS, PER HALF OUNCE.
 Canada and P. Edward Island, if prepaid 3 cents,
 if unpaid 5 cents.
 British Columbia, Vancouver's Island, and Red
 River, 3 cents.
 Newfoundland, 12½ cents—must be prepaid.
 United States, if prepaid 6 cts., if unpaid 10 cts.
 Great Britain and Ireland, by Canadian Packet,
 6 cents.
 Do. do. by New York do., 8 cents.

ON NEWSPAPERS.
 Transient Newspapers, 2 cents each—must be
 prepaid.

Printed and published in Canada and posted
 from office of publication, if paid quarterly in
 advance, Daily 30 cents. Tri-weekly 15 cts. Bi-
 weekly 10 cts. Weekly 5 c s per quarter; if un-
 paid 1 cent will be charged on delivery.

PERIODICALS.
 To any part of Canada, P. Edward Island, New-
 foundland, or the United States, 1 cent per 4 ozs.,
 prepaid. To United Kingdom, if Canadian pub-
 lications, per Canadian packet, 2 cents each,
 prepaid; weighing less than 1 oz., put up singly,
 ½ cent each, prepaid.

BOOKS, CIRCULARS, PAMPHLETS, &c.
 To any place in Canada, P. E. Island, New-
 foundland, or the United States, 1 cent per oz.,
 prepaid.

Book-packets to the United Kingdom, 1 oz.
 2 cts., 2 oz. 4 cts., 4 ozs 6 cts., 8 ozs. 12½ cts.,
 12 ozs. 18 cts., 16 ozs. 24 cts., and so on.

PACKET POST.
 Not to exceed 4 lb., to any part of Canada, 8 cts.,
 12½ cts., 1 lb. 25 cts., and so on, 12½ cts per 8 ozs.

LAW TERMS.

Hilary, 1st Monday in February to Saturday
 of ensuing week.

Easter, 3rd Monday in May to Saturday of 2nd
 week thereafter.

Michaelmas, 3rd Monday in November to Sat-
 urday of 2nd week thereafter.

County Courts.—Sittings for the trial of issues
 of fact and assessments of damages are held semi-
 annually, to commence on the Second Tuesday in
 the months of June and December; except the
 County Court of the County of York, which holds
 three sittings in each year, commencing respect-
 ively on the second Tuesday in the months of
 March, June and December.

The several Courts of General Sessions of the
 Peace are held at the same time as the several
 County Courts.

Assizes.—Courts of Assize and Nisi Prius are
 held twice a year in every county or union
 of counties in Ontario, between Hilary and
 Easter Terms, and between the end of long vaca-
 tion and Michaelmas Term, and in the County
 of York an additional Court is held in the vaca-
 tion between Michaelmas and Hilary terms.
 Long Vacation from 1st July to 21st August.

TABLE OF STAMP DUTIES.

Stamps required on Notes, Drafts, or Bills
 Exchange, executed singly:

For \$25	1 cent.
" \$50 and over \$25,	2 "
" \$100 and over \$50,	3 "
" each fraction over \$100	3 "
On Drafts or Bills of Exchange in duplicate:	
For	\$100 2 cents.
" each fractional part of \$100	2 "
On Drafts or Bills of Exchange in more parts	
than two:	
For	\$100 1 cent.
" each fractional part of \$100	1 "

A TABLE

Showing the number of days from any day in one month, to the same day in
 any other month throughout the year.

TO	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
Jan.	365	31	59	90	120	151	181	212	243	273	304	334
Feb.	334	365	28	59	89	120	150	181	212	242	273	303
March	306	337	365	31	61	92	122	153	184	214	245	275
April	275	306	334	365	30	61	91	122	153	183	214	244
May	245	276	304	335	365	31	62	92	123	153	184	215
June	214	245	273	304	334	365	31	61	91	122	153	183
July	184	215	243	274	304	335	365	31	61	92	123	153
August	153	184	212	243	273	304	334	365	31	61	92	122
Sept.	123	153	181	212	242	273	303	334	365	31	61	92
October	92	123	151	182	212	243	273	304	334	365	31	61
Nov.	61	92	120	151	181	212	242	273	304	334	365	31
Dec.	31	62	90	121	151	182	212	243	274	304	335	365

Look for April at the left hand, and September at the top; in the angle is 153.

FROM

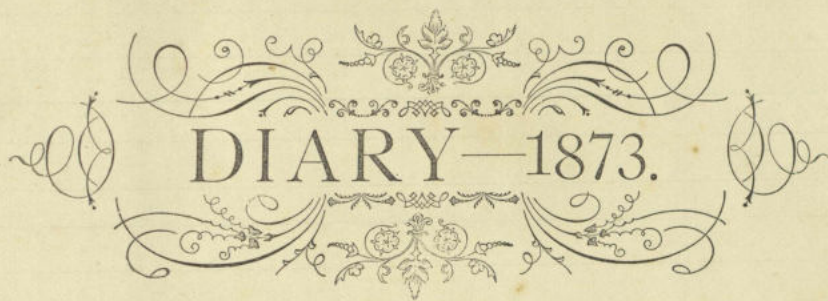
BANK HOLIDAYS.

ONTARIO.—New Year's Day; Ash Wednes-
 day (Feb. 26); Good Friday (April 11); Easter
 Monday; Queen's Birth Day; Christmas Day.

QUEBEC.—New Year's Day; Epiphany; An-
 nunciation; Good Friday; Ascension; Corpus
 Christi; St. Peter's; St. Paul's; All Saints;
 Conception; Christmas and Queen's Birth Day;
 also, any day appointed by Proclamation for a
 General Fast or Thanksgiving.

LIST OF SUNDAYS IN 1873.

January,	5	12	19	26	
February,	2	9	16	23	
March,	2	9	16	23	30
April,	6	13	20	27	
May,	4	11	18	25	
June,	1	8	15	22	29
July,	6	13	20	27	
August,	3	10	17	24	31
September,	7	14	21	28	
October,	5	12	19	26	
November,	2	9	16	23	30
December,	7	14	21	28	

A decorative floral border with intricate scrollwork and floral motifs, framing the central text.

DIARY—1873.

January

WEDNESDAY 1

1873

This is a fine New Years day plenty of snow on the ground to make good sleighing, and many driving round paying visits, All the works are stopt as usual, The weather is very moderate 26° above zero at noon.

Quite moderate this morning and has some appearance of a thaw. The beer pump burst again this forenoon and have put on a new lower branch which was ready at hand.

It began to rain about 11 O'clock and continued through the afternoon with more like sleet and was freezing as it fell.

Had some trouble with the beer pump again and put all right.

Towards dark it was raining very heavy and at times showers of sleet and snow. Walter Edington was here and went home to night.

FRIDAY 3

Mild morning and the snow soft and full of water underneath, and up to the ankles in water at every step, had taken down the other branch of the pump from Ingles and gave it to Arms & Worwick to finish, as he will not start work at his Foundry until Monday.

Am and I went out to Mr Alexanders and read over the Will of my late step Mother Jean Allan.

SATURDAY 4

It was different weather this morning, hard frost and the roads dried up and hard. The check valve of the feed pipe of the mill Boiler got clogged up with lime and had to put in a spare one we had, and Arms & Worwick bored a hole and put in a cock in it.

W. A. B. Stewart, passed up to Stratford this afternoon about Clarke's Estate.

This was a fair winter day, very little snow fell, But frequent light showers of snow yesterday with a heating wind. Mr A. B. Stewart got down yesterday by freight train,

William is confined to the House with Mumps but came out the middle of the day.

Mr A. B. Stewart and Daughter left here for Montreal this afternoon at 5 O'clock,

The ^{fire} pump rod broke this evening, and we got Hooper to put a new piece in & finished it by 11 p.m.

TUESDAY 7

This is a fine morning

WEDNESDAY 8

This is the monthly fair day, but there being no cattle brought in for sale, there was little difference from day. The day was cold blustering with frequent showers of snow.

Working late to night fixing the ^{coupling of} hoisting tackle of the Rectifying house

Thursday 9th July 2 locomotives went down at 12 minutes past 11 for water at Acton
and returned at 1.46 p.m. = 2 hours 34m

34

January

THURSDAY 9

1873

Very cold morning with a stiff Westerly wind, glass at about zero at 7 a.m.

Grand Trunk trains are much delayed for want of water many of the Locomotives have to leave their loads or trains and run down to Acton for water.

Head to cool of the Still this morning as the Montjuice pipe was choaked and found large lumps of solder and pieces of brick stuck into it, and had to saw off the head that went down inside the Still, and it works well now,

FRIDAY 10

Very cold, at 6 a.m. it was 6° below zero, and a dry cold Westerly wind, and about noon down to zero,

The Grand Trunk men came down with the New pump shaft, and although cautioned by me to work the pumps by hand first and then examine the discharge pipe below the floor, as I was sure that it was frozen, and not to start the wheel to pump until they were positive that there was no ice, but my advice was departed from in the latter case, and when attached to the wheel and 2 or three strokes made a gasket fly out of a joint, and the water flew in all directions, ~~so~~ so that had not that relief been given, the shaft would have broken again at night 9.30 p.m. 4° below zero) The men went home to Stratford again this evening

William is improving

SATURDAY 11

Still cold at 7 a.m. 3° below zero and a keen wind and continued cold throughout the day

The pump inspector Jamieson and another man were here this afternoon, about thawing the discharge pipes and I offered to draw all the water off the Race to allow them to work.

William is a good deal better this afternoon

January

MONDAY 13

1873

There is quite a change of weather this morning, which gave appearance of it last night, the Glass is up to about 40° at $\frac{1}{2}$ past 10, a.m.

William is considerably better this morning. It began to rain about noon & continued off and on all the afternoon so that the roads became quite sloppy & streaming with water. The men came down from Stratford to examine the Grand Trunk pipes.

TUESDAY 14

This morning is mild so far but just below freezing, and the roads are dry and very slippery.

WEDNESDAY 15

This morning is dry and moderate, but is turning into a thaw, which I hope may help us in getting the Grand Trunk pipes free from ice.

Heavy rain through the night, and a very close rain this morning. Have begun to fix the Grand Trunk pipes again this morning, and the plan of thawing the frozen pipes which came into my head when sitting thinking on various plans the other night, and that was to attach a steam pipe to the Boiler and turn that on to thaw the ice, and have got Todd to fix the Cock to the Boiler.

FRIDAY 17

This is quite another kind of morning, hard frost & clear weather, and the roads very icy & slippery. Have got the steam pipe attached to the Boiler of the Engine which heats up the cast iron exceedingly well.

Having to stop the water Mill the Dam is flowing over copiously,

This afternoon the wind has chopped round to North & is getting very cold, and likely to freeze hard to night.

William over in the Office to day

SATURDAY 18

This is a Cold morning, and the glass stood at zero at 8 am, it was very cold during the night and must have been down to 50° or below. I have been snowing all the forenoon, Geo Lind came down from Fergus this morning, & left for Humuli at 1 am. There is a good deal of wheat commencing in the price is firmer \$1.20 to for Fall, and \$1.21 to 1.22 for Spring. John & 2 men have been all day at the Grand Trunk pipes keeping the steam on & the water running over the Dam & going to keep on all night & tomorrow. I shortened the iron connecting rod, 1/2 an inch, and must charge \$1. for that job,

William is much better to day, has been at the Office & the Bank

Moderate weather 10° to 12° above zero, & snowing
 as the day advanced it was a little milder, with
 snow continuing, Got the Grand Trunk pipe clear of
 ice about 10 O'clock last night, and had the Pumps
 going this morning, and the Water Mill with 3 run
 of Stones,

I observe that my old friend Mr Thomas Dennis Harris who
 died on Saturday last was interred to day in Toronto, I have known
 him since 1831 he was born in Boston in 1803 and was entering his
 70th year of his age

Key butter from Brill 6 lbs, ^{taken} 4 of = 62 sent down stairs

TUESDAY 21

Mild morning with a considerable fall of snow
 and kept on snowing all forenoon

At 1. o'clock went out to G. W. Station to attend
 the Funeral of ~~the~~ Young Mrs Grange (Agnes
 eldest daughter of the late James Webster. Aged 33 years,
 Rev^d A Palmer performed the service at the grave)

WEDNESDAY 22

This is a mild morning Have begun to grind
 Coal,

This is a moderate morning 6° above zero, with a little snow, and light Easterly wind,

William made ready, and started for Hamilton by the one O'clock train, About this time the wind began to increase and the snow became much heavier, and became sharp and very cold, and most piercing against the wind

FRIDAY 24

This is also a moderate morning 8° above zero and deep snow in some places, trains late the night Express passed up at $\frac{1}{4}$ to 7. ^{am}

The whole night was very coarse and the wind whistling through every crack, The Snow Plough passed up at $\frac{1}{2}$ past 11 propelled by 2 Engines. then after her, the morning Express also driven by 2 Engines, Mr H. J. Spicer was on board & spoke to him,

Accounts from all quarters speak of the late storm as unprecedented, and all trains long behind time

William came home about 11 O'clock p.m.

SATURDAY 25

This has been a very moderate winter day that about noon where the sun shone on the side walks it was met, got the level wheel on the upright shaft of the steam mill raised a little as it was too deep in gear, and then got up steam to set the pumps in motion to keep them from freezing

This was a fine clear morning 2° above Zero

As the day advanced it became very mild almost approaching a thaw, and very inviting for a sleigh ride, made a hurried call at Mr Alexander's

Sheehan is filling the ice house now.

TUESDAY 28

This morning much milder only 22° above Zero

But as the day advanced it became much colder blowing a stiff N. West, wind and was very cold. The County Council Organized to day and reelected Mr Thomas Hair as their Warden for the th time, Had to draw some copper wire that I ordered from New York being 22 instead of 26 as ordered and had to spin it into 3 ply,

WEDNESDAY 29

This is a very cold morning at 6 a.m. it was 20° below Zero at $\frac{1}{2}$ past 7 was 15° below, and at 11 a.m. 6° below fortunately there is almost no wind otherwise it would be dreadfully cold, it was difficult to keep up any throughout the night, the glass went down to freezing in my Parlour, Attended the Funeral of Mrs. Weston Neve formerly (Leden) who died in Buffalo last week of Cancer in the Breast & side, aged 72 and one of the first settlers in Quelph,

Sigles & Hecunter got a heavy band of refined iron 65 lbs a.

January

THURSDAY 30

1873

This morning is not quite so cold only 2° below zero at $\frac{1}{2}$ past 7 a.m., little or no wind

Preparing to fill an addition to the Ice House

FRIDAY 31

This is a milder morning 12° above zero at $\frac{1}{2}$ past 7
The weather clear, and little or no wind but
from N.West,

Weighed our own Middlings Water Mill. 43 lbs to the Bush
Eby of Salem 40 lbs
McLean, Sherborn 35 "

February

SATURDAY 1

1873

This is rather colder morning than yesterday
A little snow falling, and the little wind that
is blowing is cold
And as the day advanced it
became colder, yet the water is holding out
tolerably well I ran all the forenoon but
had to take of one run to allow them enough
water to saw wood with
The wind N.West and colder still,

Yesterday, morning it was very cold at a ^{perfect} ~~fast~~ ^{fast} ~~Jam~~ ^{Jam} it was 7° below zero and quite calm, the G.S. night train passed down at 8,45 a.m. This morning was much milder and as the day advanced it became close & thick and has an appearance of thaw or rain,

TUESDAY 4

Quite a mild morning, with a little mist, and as the day advanced it became a thaw. William went up to Stratford at 10 a.m. and I went down to the Steam Saw Mill at Freerton to look out for a supply of saw dust for an additional ice house, and also to enquire about Staves for a new Stile.

It became colder in returning home, and froze hard in the evening.

WEDNESDAY 5

This is the Monthly Fair day, ground hard and dry, and the sky bright & clear. There was a great many cattle on the ground which the shortness of feed compelled the owners to sell if possible although not fat or in good condition, and prices were very low.

William came home from Stratford this afternoon at 5 p.m.

This is a fine clear morning, glass 36° above zero

FRIDAY 7

This is a fine morning,
 during last night, 2 trains collided
 in Trainers Cut, and the Engines and 8 or
 ten cars were very much injured they worked
 all night to get the wreck out of the way,
 But when I went out to see it after breakfast
 there was no less than 11 pairs of wheels piled on
 the top of one of the tenders, and it took them
 till noon before the passenger trains passed

The roads were slushy to day,

SATURDAY 8

There is quite a change from yesterday
 hard frost this morning, and a slight
 shower of snow, during the day wind got
 up and it became quite cold
 Chambers
 went down to Freeleton saw Mill for sawdust
 with the new box I made on purpose, and got
 home with a load at night

February

MONDAY 10

1873

This is a very sharp morning it was 5° below Zero at
½ past 6. a.m., Yesterday was also very cold with
a Keen N. West. wind blowing pretty stiff

John went up to Enotsville this morning

TUESDAY 11

It has the appearance of thaw this morning
the walls of the Mill & all the stone Buildings are
quite white with the frost coming out
Preparing to start for Detroit & Windsor

WEDNESDAY 12

FRIDAY 14

SATURDAY 15

This has been a moderate day, I left the City of Detroit this morning at 9 o'clock by the Great Western Railway and arrived home at 5 p m, the day was frosty yet clear.

February

MONDAY 17

1873

This is a fine morning, and as the day
advances it becomes milder. About the middle
of the day it was quite mild and thawing fast
and the roads are becoming bare of snow.
Peter Idington here to day

TUESDAY 18

WEDNESDAY 19

FRIDAY 21

SATURDAY 22

This was a cold morning

This is another very cold morning more from
the wind blowing then what the glass shows
being only at zero at 7 a m, whereas yesterday
morning at same hour it was 8 below zero, with
a sharp wind also, The glass in Chalmers Church
was frozen and prevented service, and the congregation
dispersed,

TUESDAY 25

WEDNESDAY 26

February

THURSDAY 27

1873

There has been a heavy fall of snow through
the night

FRIDAY 28

This is a very cold morning, 10° below Zero -
and at $\frac{1}{2}$ past 10 the mercury rose to 12° above
and the day turned out very fine
This is our Fast day in the Church,

March

SATURDAY 1

This morning at 7 the glass stood at 5° above
zero, I was in great anxiety about Corn
having washed the last we had, and
though we have a good many Cars of it
laying at Stratford, where I had thoughts
of going to try to push it on, when word
came in that a car had come to hand
by the Western and during the day another
by the Grand Trunk,

March

MONDAY 3

1873

Yesterday, Sabbath morning 2^d March, was mild at 7 a.m. 24° above zero. at 9 a.m. 30° with a light powdering snow falling. Our Communion Sabbath, — a light snow on ground.

This morning was very different at 7 a.m. 6° above zero and a cold North wind blowing also a little snow. at 1/2 past 2 it was colder 4° above zero and wind getting stronger & colder.

Presentation this evening to Mr White G T Freight agent of Gold watch & chain, also broach & ear rings for Mrs W, being about to leave Queeph and become General Freight Agents in Toronto.

TUESDAY 4

This is another cold morning glass about zero at 7 a.m. wind still Northerly, but the weather fine and clear.

John Young Esq of Hamilton died this afternoon aged 65

WEDNESDAY 5

This morning at 1/2 past 6 a.m. the glass stood at 11° below zero, but as the day advanced it became mild and above freezing.

I went down to Acton to Mc Donalds Mill to look after long lumber for still staves.



1873

GENERAL STATEMENT

TOWN OF GUELPH 1872.

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RECEIPTS

To balance from last year		\$262 10
Cash Tavern Licenses	\$1350 00	
" Shop	745 00	
" Billiard	260 00	
		2355 00
Interest on Guelph & Preston D'bnts.		1176 00
Market fees and rents	2949 86	
Town Hall rents	392 65	
Butcher's rents and sheds &c	702 94	
		4045 45
Cash High School Treasurer	82 00	
" Legislative grant	657 00	
" Superannuation fund	14 00	
		753 00
Assessment balance of 1871	1541 78	
" 1872	26565 55	
		28107 33
Cash non-resident taxes	597 24	
" Police fines	422 06	
" Rack rents	10 50	
" S. W. Agricultural Society	200 00	
" Rent Exhibition ground	61 00	
" Capt. Bruce returned	10 00	
" Pound keepers fines	24 39	
" County grant	500 00	
		1825 19
Total		\$38524 07

EXPENDITURES

By Roads and Bridges	\$2740 00	
4 Wards	798 66	
		3538 66
Fire and water	2189 28	
Market house	826 73	
Relief	737 05	
Central Exhibition	616 76	
Insurance	326 60	
Printing and stationary	418 95	
		5115 37
Tree planting	30 15	
Board of health	35 00	
Remittance of taxes	31 64	
" of Licenses	151 37	
		248 16
County Rate	4312 50	
Watering streets	654 00	
		4966 50
Redemption & Interest Debentures		4357 20
Public Schools	6640 18	
High School	446 22	
Separate do	620 00	
		7706 40
Bills retired 1871		4979 86
Salaries		4287 00
Miscellaneous payments		2417 48
Collectors commission for 1871	529 21	
Balance	378 23	
		907 44
Total		\$38524 07

JOHN HARVEY, Town Treasurer.

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To the Mayor and Municipal Council of the Town of Guelph:

GENTLEMEN—

The undersigned beg to report that they have examined and audited the Treasurers Books, and compared the Vouchers with the payments made, and found them correct. The receipts from the various sources of revenue exhibited in the detailed statement herewith presented amount to \$38,524.07, and the expenditure to \$38,145.84, leaving a balance in the hands of the Treasurer on the 31st of December 1872 of \$378.23. They further report that the Books are clean and neatly kept.

All of which is respectfully submitted.

Guelph, March 3rd, 1873.

W. S. G. KNOWLES }
WILLIAM HART } Auditors.

The tender of the Joseph Hall Manufacturing Company, Oshawa, to supply the pumping machinery for the Ottawa Waterworks, at the price of \$40,000, was accepted last evening. The other tenders were: Barclay, Montreal, \$46,500, and Goldie & McCulloch, Galt, \$49,000.

SATURDAY 8

This is a fine winter morning, dry and a light wind. I went down to Lime house station and got a horse & cutter from Tho Gowdy and went down to Douglas & Bannersmans Saw Mill to see what they could do in cutting long stuff for Staves of stile, I then went down to Cox's Mill near Milton, who could saw long enough stuff but as he is not in the habit of cutting Bill stuff & as some might be rejected and thrown on his hand, he declined so far, unless I could not get it elsewhere but would charge \$27. per M. laid down at Georgetown so I ordered it at the first Mill, and came home by the 6 o'clock train. It was very stormy in the afternoon and a heavy fall of snow.

March

MONDAY 10

1873

Moderate weather the snow laying still,

TUESDAY 11

WEDNESDAY 12

Putting up a new Oak receiver of about 2000 galls
for reducing in previous to pumping it into the
upper receiver in the rectifying room,

Rather coldish this morning, but it better through the day

I went up this afternoon to C. Nickles farm and bought 5 pigs from his man Budd

FRIDAY 14

It was mild this morning, and during the day it was quite slushy and the roads covered with water.

SATURDAY 15

This is thick foggy morning & raining at 7 a.m. & must have been raining during the night for the water is running copiously all over, but has not as yet made any increase in the river.

Attended the funeral of Mr John Gow (father of Mr Peter Gow M.P.P.) aged 84. The weather was very disagreeable raining all the afternoon, as well as the forenoon, part of the low ground of Cemetery was covered with water, in the evening it began to blow hard and after dark it still increased

The storm was very severe on Sunday morning accompanied with snow, some damage was done in blowing of the Barn roof and sheds - fences &c
 To day has been a blustering day the snow still laying on the ground

We have been putting the new Oak rooim in its place to day which was no easy job

There is a considerable quantity of water in the river and was running about a foot deep over the Dam yesterday

TUESDAY 18

This is another blustering day with frequent showers of sleety snow, plenty of water for the Mill driving 3 run all day & yesterday also.

G. Christopher Docking of Philipsburg Waterloo died yesterday 17th March aged 56 years & 4 months. was born in the Grand Duchy of Hesse, & came to Canada 1835. & leaves a wife 10 sons and 3 daughters

WEDNESDAY 19

Quite moderate weather, snow has fallen through the night. I went out in the Cutter to the Western Station for to go to Brantford I got there about 1/2 past 9. the snow was melting fast, the Grand River is breaking up above and gorging the river with very thick ice for many miles up. Men were at work cutting away a jam at the iron Bridge to give it relief.
 I went up to see Plews's flour mill. it has 4 run of stones & a small pair for middlings

Thick and misty morning and light rain. But it became heavier about noon it began to snow heavy but it was soft and will not lay. The streets all over are covered with slush

FRIDAY 21

This is a stormy looking morning a considerable quantity of snow has fallen through the night, and as the day advances it keeps on snowing with a Westly wind

Insurance Meeting to day.

SATURDAY 22

Disagreeable in walking it was thawing on the sunny sides of the streets and Road at the North, not much wind

Last night was very cold, like yesterday, windy and disagreeable. This morning at 1/4 to 7 am the glass stood at 8° above zero, but the sun has great power on the south exposure where it rises fast but there is not likely to be any thaw to day.

TUESDAY 25

This is a cold blustering morning, with showers of snow between the gusts of wind, there is a considerable quantity of snow on the ground, but the slipping is not generally good now as it is worn off in many places.

WEDNESDAY 26

This is a wintry looking morning and snowing heavy, and must have been through the night. All this forenoon has been snowing. This afternoon as heavy as ever.

There was a great deal of snow on the ground and cold North West wind still prevailing

William Phin, farmer, died to of only 1 week illness aged 69 years and 8 months.

FRIDAY 28

Mild this morning, and as the day advanced began to thaw rapidly, William went down to Hamlet this morning, and continued so all day. He cut or sawed a great deal of firewood to day.

William returned about $\frac{1}{2}$ past 9.

SATURDAY 29

This is a very wet morning raining steady and must have rained a good deal during the night. I intend going down to Limehouse by the early train but the wet and Mrs A not being so well did not go then.

But as Mrs A. was getting better I went by the train at $\frac{1}{2}$ past 11 to Lime House and started for Grove Mill and found a good many of the long staves sawn and will answer with a few exceptions, the road was still well covered with snow, and sleighing fair and plenty of snow in the woods yet saw hauling out saw logs & it rained through the afternoon. The return train was late, but got home by 7 o'clock.

This is a mild morning and $3\frac{1}{2}$ inches more snow on the ground, and still snowing, It was fine and dry yesterday, we are begun to make some Oak Rectifiers.

This is a raw morning with slight covering of snow on the ground, which soon melted away,

but in the afternoon there were frequent showers of sleet and fine rain,

This is a wet kind of sleety day

Yet there is a large Fair, The show ground was quite full of cattle

I just now hear of the Death of John Taylor, Paisley Black aged 68 years, used to work for us many years ago as a machinist (along with Robt Dunbar now of Buffalo Iron Works)

Also of the death of Richard Evans aged 64 years, he used to attend the Steam Engine of the Mill, about 2 years ago, Hee was at one time Engineer of a Gentlemans Steam Yacht in England

April

THURSDAY 3

1873

This is a fine clear morning glass above freezing and most of the snow is washed off the streets in Town

The reports of the loss of the Steam Ship Atlantic of the White Star Line proves to be too true, of the coast of Halifax on the morning of the 1st about 3 O'clock a.m. 600 or more said to be drowned

FRIDAY 4

Misty and thick weather thawing fast, the gates all up and the water flowing copiously

SATURDAY 5

This is a thick dull morning and has been showery all forenoon

April

MONDAY 7

1873

This is a wet morning, and thick fog, with light rain say, during the most of the forenoon. The river is rising still but not so high as I have seen it,

A Mackenzie my Clerk went to Buffalo about some Malt on his own a/c, that has been detained by the Customs department there,

TUESDAY 8

It has rained during most of the night and this morning occasional light showers. All the snow about the Town is now about gone, The ice on the Dam has not broke up yet,

WEDNESDAY 9

This is another wet morning, and it rained and blew hard all night, the water was very high and kept on rising, and it rained steady all the forenoon, and the afternoon as well, but the ice is not broken up on the Dam enough to let it come over.

I went down to the Dundas Bridge this afternoon and found the road covered with water, and then down to Gow's Bridge where all the meadow is covered with water, and the road also so that I could not go home that way, but had had to return by the upper road,

This is a cool frosty morning, clear and dry with a little ice on the roads, The river has fallen about 6 inches

William went off to Walkerton at noon. John Stewart (Foundry) of Hamilton here this afternoon,

FRIDAY 11

This morning opens out fine, and has the appearance of going to be a fine day, In the afternoon it began to be a little colder and the wind Easterly

The water in the dam is much about the same, as yesterday or a little higher.

SATURDAY 12

This was a fine morning, with the water in the river pretty high, but the sun had its effect and the soft wind yesterday in shifting the ice that it began to move and some thick pieces got stuck on the dam for an hour & more until they dammed back the water to a height which floated them over, for these flakes were no less than from 30 to 36 inches thick, and when once they went over other pieces gave way and followed them, but the first of them broke & carried away the most presents @ dam, in the afternoon, part Goldies apron was carried away and plank and timber came down, And during the whole afternoon emense pieces came one after another in quick succession, & took away the cut waters of both Mill & Distillery bridges

April

MONDAY 14

1873

The ~~breaking~~ ^{breaking} away of part of Goldie's Apron began to show itself on Sabbath morning, for the loosening of the top beams had made sufficient opening to let the water underneath so that it washed away the stones and then the earth and gravel, that we observed the water coming down quite dark and muddy before we went to Church, but had not been long there when John was called out, As Goldie's Dam had gone and the water had risen & carried more ice against the bridge breaking the post-posts of the hents & peirs that the cap of the hent nearest the Distillery did settle down a few inches,

Have to carry the mash for the Distillery round with the waggon, as the Bridge is not safe

TUESDAY 15

Making preparations to get the leg of the hent in to support the Distillery Bridge

I understand the two Brothers of Goldie's were up to day and have decided to make a temporary Dam, so as to get water for the Mill before they can have the Steam Engine ready, they are getting in lots of Brush and long poles &c But I am very doubtful if they can succeed, as the height is over 17 feet before they can get enough water to drive the machinery

WEDNESDAY 16

It blew a complete gale last night accompanied with a good deal of rain and sleet

hussey getting the leg of the hent lowered and fixed in its place,

April

THURSDAY 17

1873

This has been a cold morning with a little rain and it blew a cold wind all day.

Got the remainder of the scaffolding of the bridge and tackle cleared away this morning and all clear for the car to run as usual.

I intend going down to Toronto in the morning.

FRIDAY 18

This was a fine morning, I started to Toronto by the early train, and found business but very moderate. The bricklayers were very crowded on one large building on Front Street a good many more than I thought were working to advantage.

SATURDAY 19

This is another moderate spring day.