



Edward Lye and Sons

Organbuilders, Toronto

By Blair Batty

Forward

I am a retired organbuilder. I've always had an interest in pipe organ scaling and voicing. Scaling are the measurements of the pipes, that give them the particular sound of a particular organ. Over the years, I have collected and studied the scales of dozens of organs. As it was for my personal use, and I am not an academic, I often failed to note where I got the measurements from.

As this data may be useful to others, I decided to share it. You must use it with caution, as some of it was written down years ago. I may no longer know the source, or how reliable it may be.

Bear in mind when studying the scales, this organ is pitched at approximately $A=392$ Hz (*a whole tone below modern concert pitch of $A=440$ Hz*), characteristic of its time.

If you are new to scaling, I recommend: <http://www.blairbatty.ca/tonal.html#scales>

Do contact me, if you have any comments, corrections, sources or questions. I won't be offended.

Version: Jan 25, 2026

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BlairBatty.ca

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Edward Lye (1837-1905)

Born in Somerset, England, Edward Lye apprenticed in the famous organ-building center of London, England, under the renowned Joseph Morgan (of Morgan & Smith). He became a master voicer and finisher. After working for other builders, he established his own firm in Toronto, Ontario, around 1873.

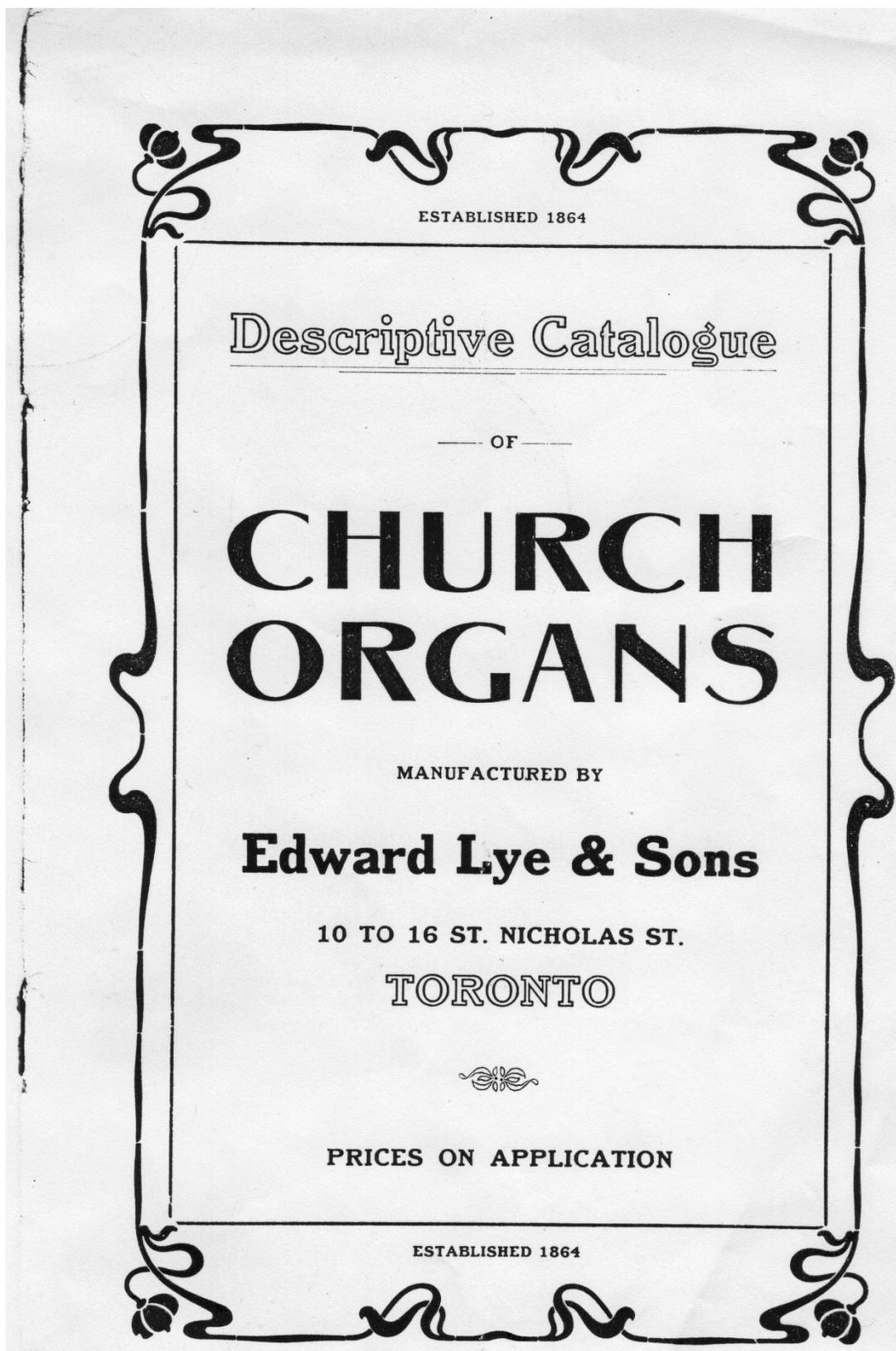
He was known for meticulous craftsmanship, fine voicing (particularly of flue pipes), and solid construction, earning a reputation for quality over quantity.

Upon Edward's death in 1905, the business was carried on by his sons, most notably Alfred C. Lye. The firm continued to operate under the name Edward Lye & Sons until its closure in the 1930s, a victim of the Great Depression and changing musical tastes.

Lye organs are considered prime examples of late Romantic or Victorian organ building. Their tonal design was influenced by English and American traditions of the time. Rich in foundational 8' tone, with an emphasis on warm diapasons, smooth strings (Gamba, Salicional), and blending flutes. Reeds were often bold and colorful (Trumpet, Oboe).

They primarily built tracker-action organs (mechanical linkage between keys and pipes), which was the standard. Later, they also built instruments with pneumatic action. Their organ cases were typically handsome, made of solid oak or pine, often in a Gothic or Classical architectural style, showcasing the display pipes. Like his mentor Morgan, Edward Lye built organs to last, using the finest materials. Many of his instruments are still playable over a century later.

Brochure and Opuslist



Introduction.



N this Catalogue we present a series of specifications, giving general information and testimonials. In the selection and disposition of the stops, and the general arrangement, these are the best, in our judgment, which can be made for organs of the size and cost which they represent. They combine in the most economical form the greatest variety of power, with a richness, fullness and delicacy of tone rarely, if ever, found in organs of similar cost.

Having a thorough and practical knowledge of every branch of our art, gained by forty years of study and application, we justly claim a standard of excellence in our work second to no other builder in this country, and feel assured that we can offer inducements to purchasers that cannot be surpassed by any other builder of strictly first-class work.

To meet the requirements and wishes of our patrons, we will make such changes or additions to any of the following specifications as may be desired, or will be pleased to give an estimate on schemes submitted to us.

Being determined to uphold and extend our reputation to all parts of the country, no instrument is allowed to leave our establishment that cannot bear the most critical examination and stand the severest tests.

Our efforts are all directed to attain to the utmost extent possible, durability, freedom from repairs and perfection of tone in the individual stops, as well as the combined whole. Ease of manipulation, noiseless mechanism constructed on scientific principles, accuracy and high finish of the work and the use of only the best materials. The time required for constructing an organ is about three months. Frequently longer time is desirable, though we sometimes build in less to meet a special need. We prefer a sufficient time to allow the work to pass through the various stages in a systematic and deliberate manner, to insure the greatest perfection.

Prices.

We invite correspondence from churches and persons desiring pipe organs, and will gladly furnish prices on schemes presented in this Catalogue. In submitting prices we endeavour to name our figures to cover all expenses of transportation and the work of erecting and completing the instrument ready for use.

Parties writing us for estimates will greatly facilitate matters by stating as nearly as possible the size organ (number of stops) desired, or the amount calculated to be expended thereon; also the space allowed for the organ and location of same in edifice in which it is to be placed. This will enable us to submit specifications and quote prices of a more definite character, and we feel safe in saying that our prices are as low, if not lower, than those of other builders, as in all cases we design to sell our instruments on as low a margin and price as is consistent with the best of workmanship and materials, which we give and guarantee.

Our prices include a hardwood case of handsome design, cabinet finish, which will harmonize with the interior architecture of the surroundings, and the display pipes to be tastefully decorated in gold and colours as may be preferred.

Unless special mention is made our price does not include extended action, which may be necessary on account of the site selected for the organ, or of a water or electric motor for operating the bellows other than hand power. We, however, can embrace any of these items in our estimates when desired.

DETAILS OF CONSTRUCTION.

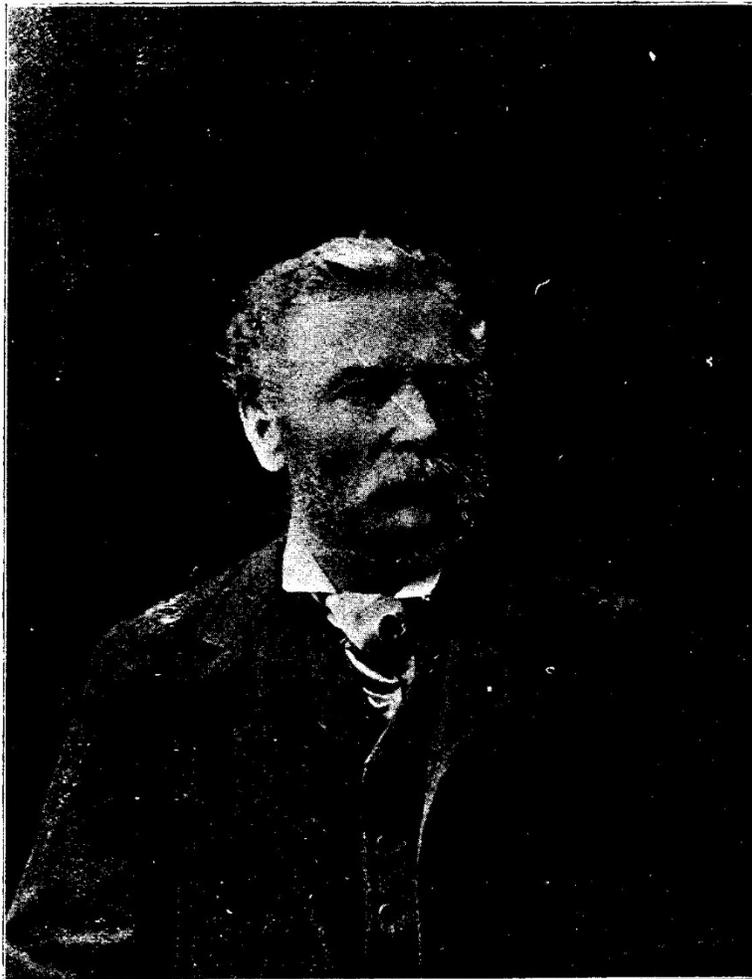
ALL our work is Warranted in Every Respect, and we pledge ourselves ready to make good, at our own expense, any defect, if such can be found, within a year from the delivery of our work. The following Details of Construction have been adopted by us, and are faithfully adhered to in every Organ.

1. The design to be in harmony with the architecture of the Church, and be submitted to the purchaser for approval.
 2. The case to be made of oak, ash or chestnut, smooth finish in oil. The front displayed pipes to be illuminated in gold or colors, and operated with pneumatic tubular action.
 3. The Bellows Double Leathered throughout and to be made of ample size, of modern construction, and with a feeding capacity to supply the fullest legitimate demand.
 4. The Windchest to be most perfectly made, with carefully apporioned valves and windways, and to be so arranged as to make the touch as light and elastic as possible.
 5. The arrangement of the various Keyboards, Registers, etc., shall be such as to give the greatest facility to the player, and to be in accordance with the most generally accepted standard. The best of ivory and ebony shall be used on the keyboards, which shall have celluloid fronts. The upper sets to project and be bevelled.
 6. Each Manual to have adjusting thumb screws for regulating the depth of the touch.
 7. The Action throughout to be most perfect and durable in its operation and "bushed" with cloth to prevent rattle or noise. Regulating screws to be placed at all connections where deemed desirable.
 8. All the interior construction to be coated with shellac varnish to prevent as far as possible the effects of atmospheric moisture.
 9. The voicing of all the pipes to be executed according to the highest standard of artistic excellence, the greatest care being taken to give each stop its distinctive quality and quantity of tone, and at the same time preserve the general balance of the instrument.
- All wood pipes to be made of the best and well selected white pine seasoned and glue sized inside and shellaced outside, the large Pedal Pipes to be painted with oil paint.
10. Every part throughout to be constructed after the most approved methods, and in the most thorough and durable manner, from well selected materials.

EDWARD LYE & SONS.

Following we give descriptive sizes. Where larger, or even smaller sizes or plans necessarily differing from these are required, we will furnish special descriptions on application.

2 EDWARD LYE & SONS, TORONTO. ESTABLISHED 1864.



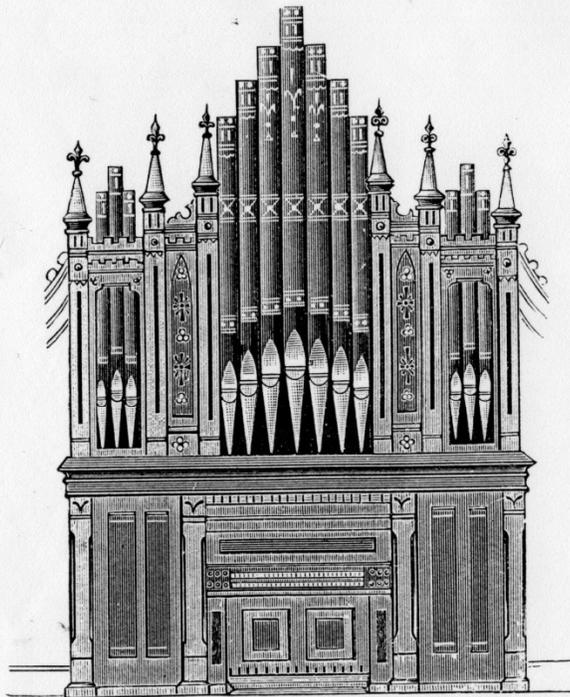
FOUNDER OF THE BUSINESS IN 1864

EDWARD LYE & SONS, TORONTO. ESTABLISHED 1864.

*Organ—Holy Trinity Church
Toronto*

Three Manuals





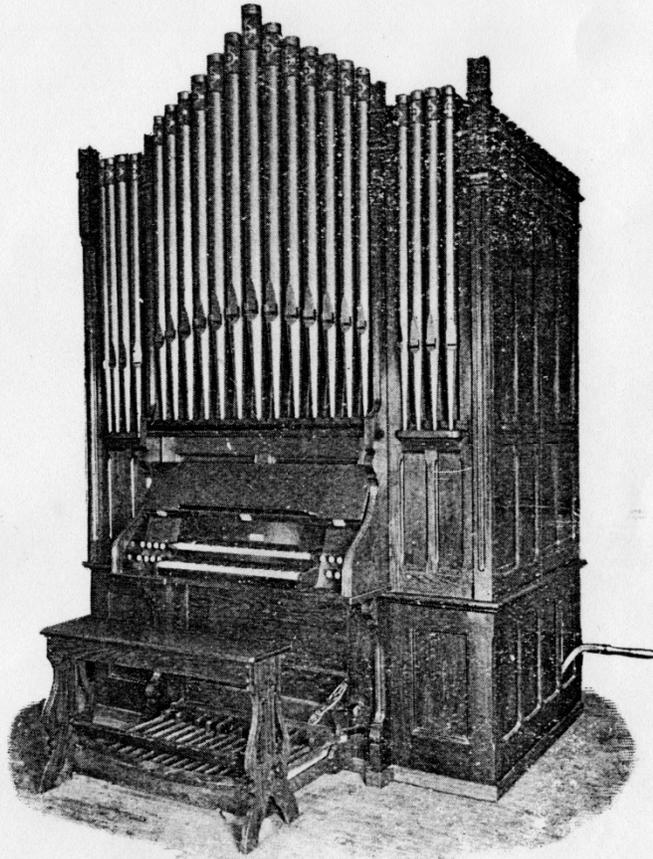
SPECIFICATION—SIZE NO. 1.

| | | |
|---|----------|-------------------------|
| Manual Compass | CC to C | 61 Notes |
| Pedal Compass | CCC to D | 27 Notes |
| Four Speaking Stops, as follows: | | |
| 1. Open Diapason | C | 49 Pipes |
| 2. Dulciana | C | 49 Pipes |
| 3. Stopped Diapason, Treble | C | |
| Stopped Diapason, Bass | | 61 Pipes |
| 4. Principal | CC | 61 Pipes |
| Two Octaves, Concave Pedals. | | Adjustable Swell Pedal. |
| Dimensions:—6 ft. wide by 10 ft. deep; 10 ft. high. May be varied. | | |

SPECIFICATION—SIZE NO. 2.

Style of Case—Same as above.
One Manual, 8 Stops.

| | | | |
|--|-------------------|-------------------------|----------|
| Compass | CC to A | 58 Notes | |
| Compass Pedal | CCC to D | 27 Notes | |
| 1. Open Diapason | 8 feet | Metal | 51 Pipes |
| 2. Clarabella | } 8 feet | Wood | 58 Pipes |
| 3. Stopped Diapason, Bass | | | |
| 4. Dulciana | 8 feet | Metal | 46 Pipes |
| 5. Flute or Principal | 4 feet | Metal | 58 Pipes |
| Pedal Organ | | | |
| 6. Bourdon | 161 feet | Wood | 27 Pipes |
| Coupers | | | |
| 7. Manual to Pedals | 8. Bellows Signal | Organist's Seat. | |
| Two Octaves, $\frac{1}{2}$ Pedals. | | Adjustable Swell Pedal. | |
| Height, 12 ft.; width, 7 ft.; depth, 4 ft. May be varied. | | | |



SPECIFICATION—SIZE NO. 3.

TWO MANUALS—Each of 61 Notes—CC to C.

Great Organ.

| | | | |
|------------------------|----------|--------------------|---------|
| 1. Open Diapason | CC | 8 ft., Metal | 61 Pipe |
| 2. Dulciana | CC | 8 ft., Metal | 61 Pipe |
| 4. Principal | CC | 8 ft., Wood | 61 Pipe |

Swell Organ

| | | | |
|-------------------------------|----------|--------------------|---------|
| 5. Viola (Grooved Bass) | CC | 8 ft., Metal | 61 Pipe |
| 6. Æoline | CC | 8 ft., Metal | 61 Pipe |
| 7. Stopped Diapason | CC | 8 ft., Wood | 61 Pipe |
| 8. Dolce Flute | CC | 4 ft., Metal | 61 Pipe |

Pedal Organ—Pneumatic Action.

| | | | |
|------------------|-----------|--------------------|---------|
| 9. Bourdon | CCC | 16 ft., Wood | 30 Pipe |
|------------------|-----------|--------------------|---------|

Total Pipes, 518

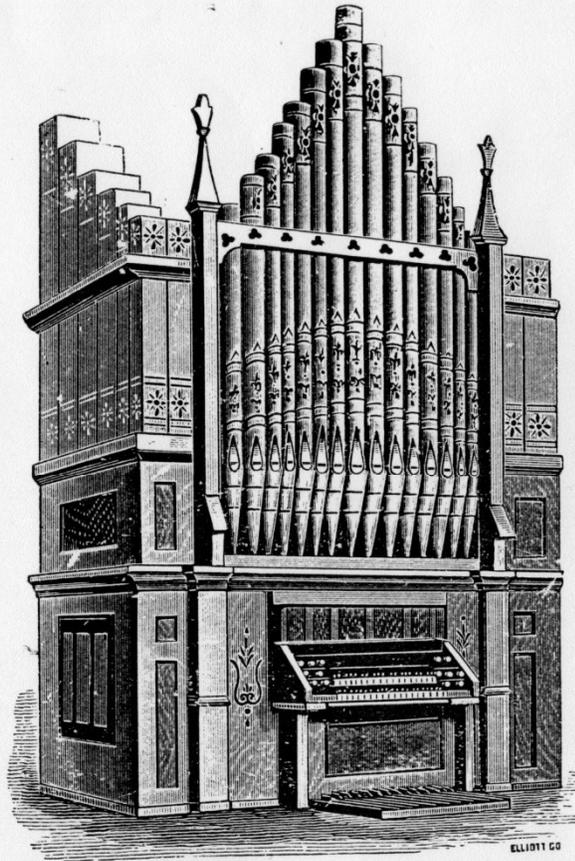
Couplers, Etc.

| | | |
|---------------------|--------------------|--------------------------|
| 10. Great to Pedals | 12. Tremolo | 14. Swell to Great Super |
| 11. Swell to Pedals | 13. Swell to Great | 15. Bellows Signal |

Balance, Swell Pedal

Width, 8 ft.; height, 15 ft.; depth, 6 ft.

Black Ash or Oak Case. Finely finished.



CHAPEL ORGAN, BISHOP STRACHAN SCHOOL, TORONTO.

Two Manuals, each of 58 Notes, CC to A.
Pedal Organ, CCC to F, 30 Notes.

| Great Organ | | | |
|--------------------------------|--------------------------|--------------|--|
| 1. Open Diapason | 8 ft., Metal | 61 Pipes | |
| 2. Dulciana | 8 ft., Metal | 61 Pipes | |
| 3. Melodia | 8 ft., Wood | 61 Pipes | |
| 4. Principal | 4 ft., Metal | 61 Pipes | |
| Swell Organ | | | |
| 2. Open Diapason | 8 ft., Metal | 46 Pipes | |
| 6. Stop Diapason, Treble | | | |
| 7. Stop Diapason, Bass | 8 ft., Wood | 58 Pipes | |
| 8. Viol di Gamba | 8 ft., Metal | 46 Pipes | |
| 9. Traverse Flute | 4 ft., Metal | 58 Pipes | |
| 10. Oboe | 8 ft., Metal | 58 Pipes | |
| Pedal Organ | | | |
| 11. Bourdon | CCC, 16 ft., Wood | 30 Pipes | |
| Couplers, Etc. | | | |
| 12. Great to Pedal | 15. Tremolo to Swell | | |
| 13. Swell to Pedal | 16. Forte Pedal to Great | | |
| 14. Swell to Great | 17. Piano Pedal to Great | | |
| Balanced Swell Pedal. | Concave Pedals. | Water Motor. | |

THE WALTER H. MASSEY MEMORIAL ORGAN.

Erected in Hope Methodist Church, East Toronto.

Manual Compass from ... CC to C, 61 Notes.

Pedal Compass from CCC to F, 30 Notes.

Great Organ

| | | | |
|-------------------------|----|--------------|--------|
| 1. Open Diapason | CC | 8 ft., Metal | 61 Pip |
| 2. Dulciana | CC | 8 ft., Metal | 61 Pip |
| 3. Melodia | CC | 8 ft., Wood | 61 Pip |
| 4. Flute Harmonic | C | 4 ft., Metal | 49 Pip |
| 5. Principal | CC | 4 ft., Metal | 61 Pip |
| 6. Clarinet | C | 8 ft., Metal | 49 Pip |

Swell Organ

| | | | |
|---------------------------|----|--------------|--------|
| 7. Open Diapason | CC | 8 ft., Metal | 61 Pip |
| 8. Stopped Diapason | CC | 8 ft., Wood | 61 Pip |
| 9. Viol di Gamba | CC | 8 ft., Metal | 61 Pip |
| 10. Æoline | CC | 8 ft., Metal | 61 Pip |
| 11. Vox Celeste | C | 8 ft., Metal | 49 Pip |
| 12. Gemshorn | CC | 4 ft., Metal | 61 Pip |
| 13. Obœ and Bassoon | CC | 8 ft., Metal | 61 Pip |

Pedal Organ

| | | | |
|----------------------------|-----|--------------|--------|
| 14. Sub Bass | CCC | 16 ft., Wood | 30 Pip |
| 15. Leiblich Bourdon | CCC | 16 ft., Wood | 30 Pip |

Couplers, Etc.

- | | |
|-----------------------|----------------------------------|
| 16. Great to Pedal. | 18. Swell to Great. |
| 17. Swell to Pedal. | 19. Swell to Great Super Octave. |
| 20. Tremolo to Swell. | |

Concave Pedals.

Balanced Swell Pedal.

Two Combination Pedals to Great. Two Combination Pedals to Swell

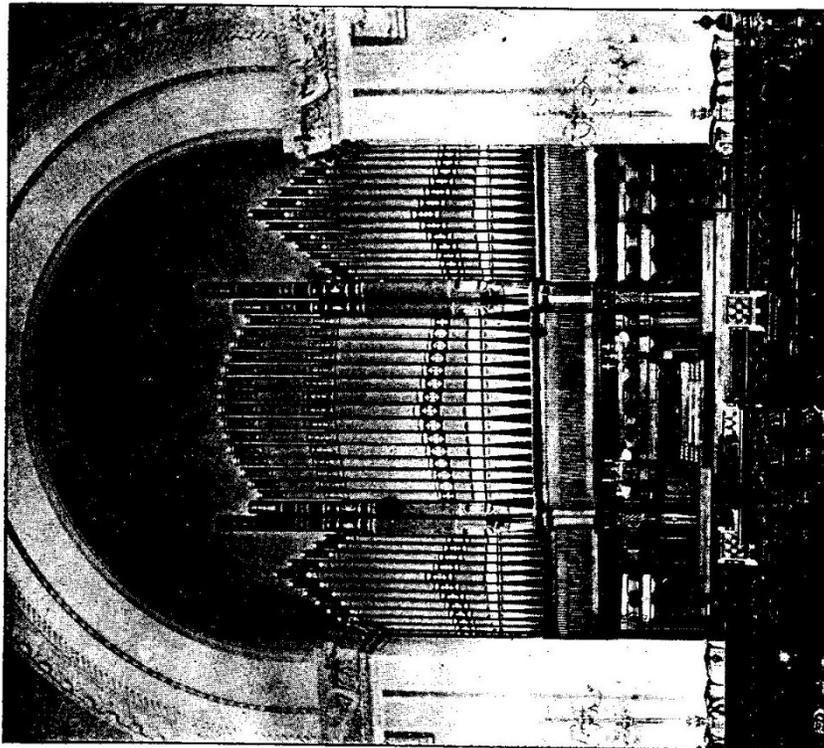
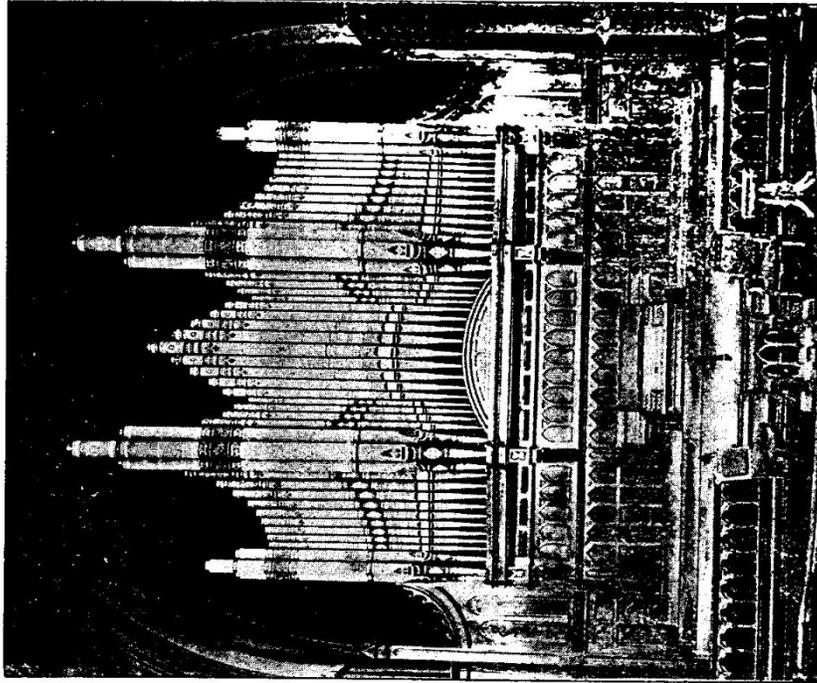
Ross Water Motor. Cylinder, 3½ x 12 in.

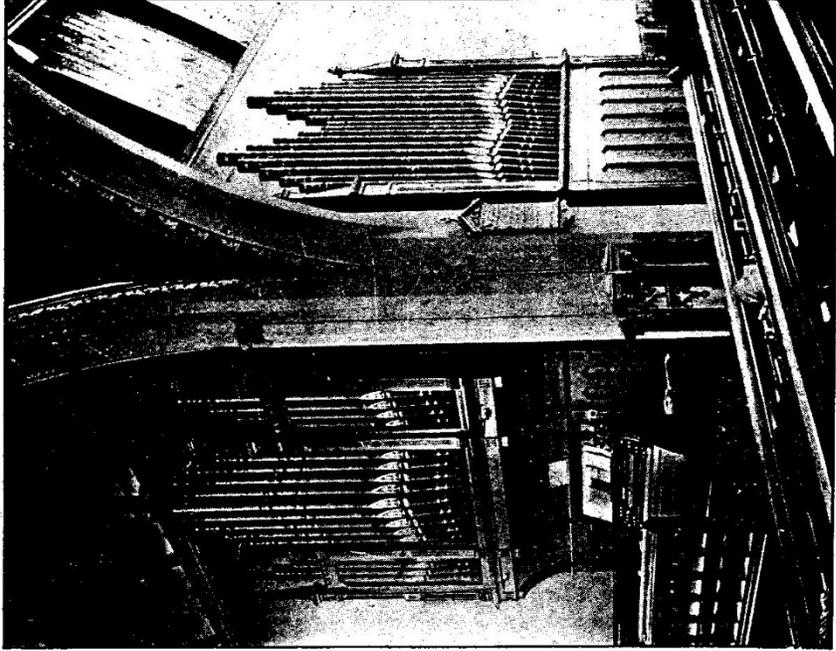
The Walter H. Massey Memorial Organ

*Erected in Hope Methodist Church,
East Toronto.*

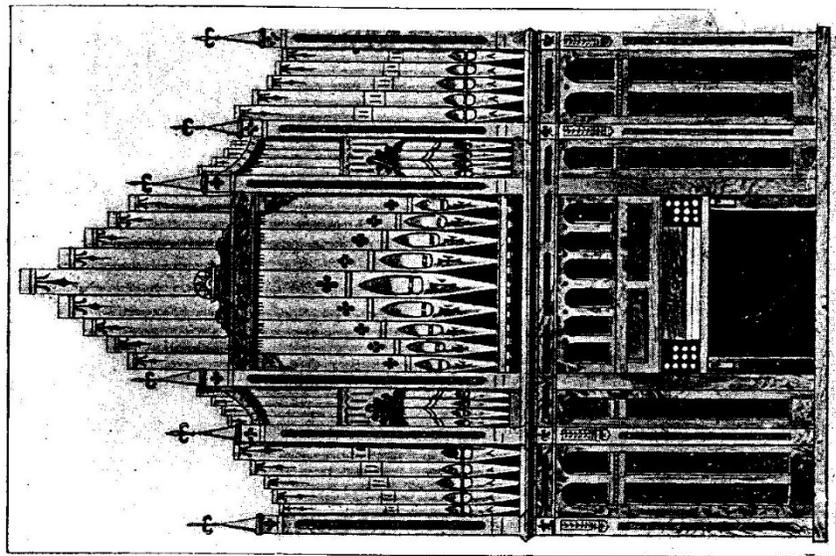


EDWARD LYE & SONS, TORONTO. ESTABLISHED 1861





ST. GEORGE'S CHURCH, SARINIA.



CENTRAL METHODIST CHURCH, ST. THOMAS.

Organs Built on the Tubular Pneumatic Principle

WE beg respectfully to bring to your notice the specifications on the next page of Organs recently erected by us and constructed on the Tubular Pneumatic system.

In cases where it is desirable to separate Console and Organ, Tubular Action comes into play and affords a satisfactory solution of the difficulty. In the use of the Tubular system, we adhere to the exhaust principle which may be described as the substitution of the collapse for inflation of the power bellows to accomplish the desired end.

The application and use of this system for the couplers does not increase the resistance of the key touch, as even in the largest Organs touch action may be made as light as that of a piano. The quickness of response cannot be excelled by any other action in use, and we are confident that we have an action in every way perfect and thoroughly reliable at all times.

Having a thorough and practical knowledge of every branch of Organ building, gained by 40 years of study and application, we can claim a standard of excellence in our work second to none in this country, and we feel assured that we can offer inducements to purchasers that cannot be surpassed by any other builder of first-class church organs. Each instrument is warranted in every respect, and we pledge ourselves to make good any defect in workmanship or materials, if such can be found, within one year from the delivery of our work.

We shall be pleased to furnish on application Plans, Specifications, etc., for small or large Organs, built on the Pneumatic system.

EDWARD LYE & SONS.

EDWARD LYE, Sen., Founder of the Business in 1864

EDWARD J. LYE.
ARTHUR H. LYE.
HERBERT LYE.
WALTER L. LYE.

**DESCRIPTION OF ORGAN, TUBULAR PNEUMATIC, INSTALLED
SEPT. 10, 1907, IN NEW METHODIST CHURCH, SIMPSON
AVENUE, TORONTO.**

Two Manuals, each of 61 Notes—CC to C.

Pedal Organ of 30 Notes—CCC to F.

Great Organ

- | | |
|-------------------------|--------------------------|
| 1. Open Diapason, 8 ft. | 3. Melodia, 8 ft. |
| 2. Dulciana, 8 ft. | 4. Harmonic Flute, 4 ft. |
| 5. Principal, 4 ft. | |

Swell Organ

- | | |
|----------------------------|-----------------------------|
| 6. Open Diapason, 8 ft. | 9. Viol di Gamba, 8 ft. |
| 7. Stopped Diapason, 8 ft. | 10. Flauto Traverso, 4 ft. |
| 8. Æoline, 8 ft. | 11. Oboe and Bassoon, 8 ft. |

Pedal Organ

- | | |
|---|--------------------------------|
| 12. Grand Open Diapason, 16 ft., 30 Notes. | 13. Bourdon, 16 ft., 30 Notes. |
| 14. Pedal Flute, 8 ft., 30 Notes. | |

Accessories

- | | |
|-----------------------|-------------------------------|
| 15. Great to Pedals. | 18. Swell to Great Super Oct. |
| 16. Swell to Pedals. | 19. Swell to Great Sub Oct. |
| 17. Swell to Great. | 20. Swell at Octaves. |
| 21. Tremolo to Swell. | |

Three Combination Pistons to Great Organ.

Three Combination Pistons to Swell Organ.

Crescendo Pedal, operating on the whole Organ.

Balance Swell Pedal. Concave and Radiating Pedal Board.

**DESCRIPTION OF ORGAN, TUBULAR PNEUMATIC, INSTALLED
MARCH 15, 1907, IN CHARLTON AVE. METHODIST CHURCH,
HAMILTON, ONT.**

Two Manuals, each of 61 Notes—CC to C.

Pedal Organ of 30 Notes—CCC to F.

Great Organ

- | | | |
|-------------------------|----------------------------|--------------------------------|
| 1. Open Diapason, 8 ft. | 4. Harmonic Flute, 4 ft. | 7. Twelfth, $3\frac{2}{3}$ ft. |
| 2. Dulciana, 8 ft. | 5. Geigen Principal, 8 ft. | 8. Fifteenth, 2 ft. |
| 3. Melodia, 8 ft. | 6. Principal, 4 ft. | 9. Trumpet, 8 ft. |

Swell Organ

- | | |
|-----------------------------|-----------------------------|
| 10. Bourdon, 16 ft. | 14. Vox Celeste, 8 ft. |
| 11. Open Diapason, 8 ft. | 15. Flauto Traverso, 4 ft. |
| 12. Stopped Diapason, 8 ft. | 16. Piccolo, 2 ft. |
| 13. Æoline, 8 ft. | 17. Oboe and Bassoon, 8 ft. |

Pedal Organ

- | | | |
|---------------------------------|---------------------|------------------------|
| 18. Grand Open Diapason, 16 ft. | 19. Bourdon, 16 ft. | 20. Pedal Flute, 8 ft. |
|---------------------------------|---------------------|------------------------|

Accessories

- | | |
|----------------------------------|--------------------------------|
| 21. Great to Pedal. | 25. Swell to Great Sub Octave. |
| 22. Swell to Pedal. | 26. Swell at Octaves. |
| 23. Swell to Great. | 27. Great at Octaves. |
| 24. Swell to Great Super Octave. | 28. Tremolo to Swell. |

Crescendo Pedal, operating on the whole Organ.

Balance Swell Pedal. Concave and Radiating Pedal Board.

Three Combination Pistons to Great. Three Combination Pistons to Swell.

The above organs are blown by the Spencer Patent Orgoblo (2 h.p.), located in basement, being perfectly noiseless in its operation.

A Few Recent Testimonials

**TESTIMONIAL FROM DR. VOGT, CONDUCTOR MENDELSSOHN
CHOIR, TORONTO.**

MESSRS. EDWARD LYE & SONS,
TORONTO.

Gentlemen:—I have given a careful examination to the Tubular Pneumatic Organ recently erected in the Methodist Church, North Toronto, and desire to express my entire satisfaction with the excellence of the workmanship, the responsiveness of the action, the quality of tone and the general effectiveness of the Organ. The Action is first-class in its detailed parts, easy and elastic in touch, and eminently satisfactory. Wishing you every success in your further achievements in this class of Organ building, I remain,

Yours very truly,

A. S. VOGT,

July 5, 1909.

331 Bloor Street West

**TESTIMONIAL FROM MR. J. E. P. ALDOUS, ORGANIST OF
ASCENSION CHURCH, HAMILTON, ONT.**

MESSRS. EDWARD LYE & SONS,
TORONTO.

My Dear Mr. Lye:—After thoroughly examining the new Organ you have recently erected in the Charlton Avenue Methodist Church, Hamilton, I wish to express to you my opinion of the tone of the instrument. The individual stops are most excellent, full in tone, lovely in quality as solo stops, or for ensemble use they are equally satisfactory, and by skillful use of the couplers it is possible to obtain the effects that are expected only from a larger organ.

To anyone who wishes to know what the Lye firm can do in the way of really good organs, I would suggest a visit to Charlton Ave. Methodist Church, Hamilton, and Knox Church, Dundas.

Yours truly,

J. E. P. ALDOUS,

Organist Ascension Church, Hamilton

**TESTIMONIAL FROM REV. T. C. BENNETT, PASTOR METHODIST
CHURCH, MILTON, ONT.**

MESSRS. EDWARD LYE & SONS,
TORONTO.

Methodist Parsonage, Milton.

Regarding the New Organ of 24 stops recently erected in Methodist Church here, it gives me pleasure to testify to its many excellent qualities. Its tone which, in the soft stops, Dulciana, Æoline, Traverse Flute being perfect. The solidity of the Diapason work is very marked, Grand Open Diapason of the Pedal forming a solid foundation to the whole. Several fine performances have been given on it by two or three of the leading organists of Toronto and Hamilton, who have pronounced the workmanship to be of the highest class, a credit to the town and to the builders.

Yours sincerely,

July, 1906.

C. T. BENNETT, Pastor.

16 EDWARD LYE & SONS, TORONTO. ESTABLISHED 1864.

**TESTIMONIAL FROM MR. ERNEST D. GRAY, ORGANIST AND
CHOIRMASTER SIMPSON AVE. METHODIST CHURCH.**

MESSRS. EDWARD LYE & SONS,
TORONTO.

Toronto, Canada, July 9th, 1909.

Dear Sirs:—It affords me great pleasure to write you regarding the new Organ in Simpson Avenue Methodist Church, Toronto, at which I have presided for the last two years.

In my experience with the above-named Organ, I have found it a very evenly balanced Organ, and although not a large one, it is remarkably effective in the church. The Pedal Organ is full and sonorous and the soft stops, especially the "Dulciana," being beautifully delicate.

Regarding the action, Pneumatic, has proven to be very satisfactory, and the response has shown itself to be instantaneous.

Yours very respectfully,

ERNEST D. GRAY,

Organist and Choirmaster S. A. Church, Toronto

Toronto, July 9, 1909.

**TESTIMONIAL FROM DR. MILLER, PRINCIPAL RIDLEY
COLLEGE, ST. CATHERINES, ONT.**

MESSRS. EDWARD LYE & SONS,
TORONTO.

Dear Sirs:—I have great pleasure in congratulating you upon the excellent workmanship displayed in the Organ—Two Manual—built by you in our Chapel here. In every respect it is giving us the greatest satisfaction, and everyone who hears it remarks upon the rich and mellow tone of the various stops. This, I imagine, is due to your care in importing from England the best quality of metal pipes. The combined power and sweetness of tone in our Organ is a surprise to all who hear it, considering the size and cost of the instrument. For the money spent you have given us what we consider the greatest possible value. We will gladly give to anyone proposing to purchase such an Organ from you our willing testimony to the skill and thoroughness of your workmanship.

Yours faithfully,

J. O. MILLER.

Dec. 13, 1900.

**TESTIMONIAL FROM REV. W. HARDY ANDREWS, PASTOR QUEEN
STREET EAST PRESBYTERIAN CHURCH, TORONTO.**

MESSRS. EDWARD LYE & SONS,
TORONTO

Gentlemen:—The Tubular Pneumatic Organ installed by you in our Church some six months ago has proved eminently satisfactory. It is powerful, the voicing is excellent, and for tone quality I have no hesitation in saying, and know in so doing I am but giving expression to the general opinion of the large congregation worshipping here, that it is unsurpassed by any organ, large or small, in the city.

I believe it is only justice to say that our Organ Committee placed their order with you only after long and careful investigation and comparison. This testimonial is entirely voluntary, and you may use it whenever and wherever you so choose.

Yours very truly,

W. HARDY ANDREWS.

Nov. 6, 1909.

*Now in
Method*

LIST OF ORGANS

ERECTED BY

EDWARD LYE & SONS.

We have many letters of recommendation from the following churches but we refer to any of them—more especially the later ones:—

| | |
|--|--|
| <p><i>v 1864</i></p> <p>1 Toronto, Ont.</p> <p>2 Toronto, Ont.</p> <p>3 Toronto, Ont.</p> <p>4 Burford, Ont.</p> <p>5 Toronto, Ont.</p> <p>6 Toronto, Ont.</p> <p>7 Brampton, Ont.</p> <p>8 Brampton, Ont.</p> <p>9</p> <p>10 Toronto, Ont.</p> <p>11 Thorold, Ont.</p> <p>12 Toronto, Ont.</p> <p>13 Toronto, Ont.</p> <p>14 Toronto, Ont.</p> <p>15 Newmarket, Ont.</p> <p>16 Toronto, Ont.</p> <p>17 Barrie, Ont.</p> <p>18 Aurora, Ont.</p> <p>19 Toronto, Ont.</p> <p>20 Par s, Ont.</p> <p><i>Victon Church 1873</i> 21 Toronto, Ont.</p> <p>22 Alliston, Ont.</p> <p>23</p> <p>24 Toronto, Ont.</p> <p>25 Stratford, Ont.</p> <p>26 Toronto, Ont.</p> <p>27 Toronto, Ont.</p> <p>28</p> <p>29</p> <p>30 Brantford, Ont.</p> <p>31 Toronto, Ont.</p> <p>32 Bolton, Ont.</p> <p>33 Toronto, Ont.</p> <p>34 Deer Park, Toronto</p> <p>35 Oshawa, Ont.</p> <p>36 Brampton, Ont.</p> <p>37 Toronto, Ont.</p> <p>38 Toronto, Ont.</p> <p>39 Toronto, Ont.</p> <p>40 Toronto, Ont.</p> <p><i>v 1880—</i> 41 Chippewa, Ont.</p> <p>42 Cataraqui, Ont.</p> <p>43 Toronto, Ont.</p> <p>44 Toronto, Ont.</p> <p>45 Aurora, Ont.</p> <p>46 Hamilton, Ont.</p> <p>47 Toronto, Ont.</p> <p>48 Toronto, Ont.</p> <p>49 Toronto, Ont.</p> <p>50 West Flamboro, Ont.</p> | <p>St. Stephen's Episcopal Church (2nd organ)</p> <p>Congregational Church, Bond Street</p> <p>Methodist Church, Berkeley Street</p> <p>Congregational Church</p> <p>St. Paul's Episcopal Church</p> <p>Methodist Church, Bloor Street</p> <p>Primitive Methodist Church</p> <p>Primitive Methodist Church, Parliament S</p> <p>Parlor Organ</p> <p>Bishop Strachan School</p> <p>Methodist Church</p> <p>St. Stephen's Episcopal Church</p> <p>Church of the Redeemer (Episcopal)</p> <p>St. Luke's Episcopal Church</p> <p>Trinity Episcopal Church</p> <p>Trinity Episcopal Church, King Street East</p> <p>Primitive Methodist Church</p> <p>Trinity Episcopal Church</p> <p>Prim. Meth. Church, Alice St. (re-building)</p> <p>Methodist Church</p> <p>Methodist Church, Berkeley Street</p> <p>Methodist Church</p> <p>Parlor Organ</p> <p>St. Matthias' Episcopal Church</p> <p>Congregational Church</p> <p>Baptist Church, Alexander Street</p> <p>Bible Christian Church</p> <p>Parlor Organ</p> <p>Parlor Organ</p> <p>Methodist Church, Brant Ave. (enlarged)</p> <p>All Saints' Episcopal Church</p> <p>Christ's Episcopal Church</p> <p>Grace Episcopal Church</p> <p>Christ's Episcopal Church, Yonge Street</p> <p>Bible Christian Church</p> <p>M. E. Church</p> <p>Parlor Organ, Geo. D. Morse, Esq.</p> <p>St. George the Martyr (enlarg. and remov.)</p> <p>St. Philip's Episcopal Church</p> <p>Central Presbyterian Church (2nd organ)</p> <p>Trinity Episcopal Church</p> <p>Christ Church (Episcopal)</p> <p>Church of the Ascension</p> <p>Parlor Organ, J. O. Cull, Esq.</p> <p>Methodist Church</p> <p>Methodist Episcopal Church</p> <p>Parlor Organ, F. G. Plummer, Esq.</p> <p>Erskine Presbyterian Church</p> <p>Catholic Apostolic Church</p> <p>Christ's Episcopal Church</p> |
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LIST OF ORGANS - *Continued.*

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| 51 | Toronto, Ont. | Spadina Ave. Meth. Church, Organ rebuilt |
| 52 | Toronto, Ont. | Parlor Organ, Mr. Wedd, U. C. C. Building |
| 53 | Etobicoke, Ont. | St. George's Episcopal Church |
| 54 | Richmond Hill, Ont. | Methodist Church |
| 55 | Richmond Hill, Ont. | Presbyterian Church |
| 56 | Toronto, Ont. | Trinity Church, King St. E., Organ enlarged |
| 57 | Toronto, Ont. | Parlor Organ, Thomas Nichols, Esq. |
| 58 | Toronto, Ont. | Parlor Organ, John Richardson, Esq. |
| 59 | Toronto, Ont. | Christ Church, R. E. |
| 60 | Rondeau, Ont. | Methodist Church |
| 61 | Woodbridge, Ont. | Episcopal Church |
| 62 | Toronto, Ont. | Unitarian Church |
| 63 | Galt, Ont. | Methodist Church |
| 64 | Tweed, Ont. | Episcopal Church |
| 65 | Hamilton, Ont. | First Methodist Church |
| 66 | Georgetown, Ont. | Methodist Church |
| 67 | Perth, Ont. | St. Andrew's Presbyterian Church |
| 68 | Toronto, Ont. | Holy Trinity Episcopal Church |
| 69 | Collingwood, Ont. | All Saints' Episcopal Church |
| 70 | Toronto, Ont. | Parlor Organ, M. de St. Wedd |
| 71 | Barrie, Ont. | Methodist Church, Collier Street |
| 72 | Toronto, Ont. | Trinity College Chapel |
| 73 | Brantford, Ont. | St. Jude's Episcopal Church |
| 74 | London, Ont. (S) | Methodist Church |
| 75 | Weston, Ont. | Episcopal Church |
| 76 | Norwich, Ont. | Methodist Church |
| 77 | Toronto, Ont. | Euclid Avenue Methodist Church |
| 78 | Ottawa, Ont. | Parlor Organ, J. W. F. Harrison, Esq. |
| 79 | Ottawa, Ont. | Bank Street Presbyterian Church |
| 80 | Toronto, Ont. | St. Matthias' Episcopal Church |
| 81 | Toronto, Ont. | St. Luke's Episcopal Church |
| 82 | Toronto, Ont. | St. James's Schoolhouse |
| 83 | Toronto, Ont. | St. Bartholomew Church |
| 84 | Peterborough, Ont. | St. Andrew's Presbyterian Church |
| 85 | Peterborough, Ont. | George Street Methodist Church |
| 86 | Toronto, Ont. | St. Marks' Episcopal Church, Parkdale |
| 87 | Toronto, Ont. | Presbyterian Church, Parkdale |
| 88 | Toronto, Ont. | Cooke's Church (Presbyterian), 2nd organ |
| 89 | Toronto, Ont. | Church of the Epiphany, Parkdale |
| 90 | Windsor, Ont. | Methodist Church |
| 91 | Belleville, Ont. | John Street Presbyterian Church |
| 92 | Georgetown, Ont. | Presbyterian Church |
| 93 | Toronto, Ont. | St. Paul's Episcopal Church, Bloor Street |
| 94 | Toronto, Ont. | St. Barnabas' Episcopal Church |
| 95 | Brantford, Ont. | Wellington Street Methodist Church |
| 96 | Brampton, Ont. | Grace Methodist Church |
| 97 | Trenton, Ont. | Methodist Church |
| 98 | Millbrook, Ont. | St. Thomas' Episcopal Church |
| 99 | Toronto, Ont. | St. Thomas' Episcopal Church |
| 100 | Toronto, Ont. | St. Jude's Episcopal Church |
| 101 | London, Ont. | Convent Sacred Heart Chapel |
| 102 | Dorchester Station, Ont. | Methodist Church |
| 103 | Toronto, Ont. | Parkdale Methodist Church |
| 104 | Orangeville, Ont. | Methodist Church |

LIST OF ORGANS—*Continued.*

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|------------|------------------------|--------------------------------------|
| 105 | Toronto, Ont. | Bathurst Street Methodist Church |
| 106 | London, Ont. | St. John's Episcopal Church |
| 107 | Smithville, Ont. | Presbyterian Church |
| 108 | Toronto, Ont. | Mr. McMichael, Jarvis Street |
| 109 | Toronto, Ont. | St. Mary Magdalene |
| 110 | Toronto, Ont. | Industrial Exhibition |
| 111 | Toronto, Ont. | Parliament Street Methodist Church |
| 112 | Toronto, Ont. | St. Alban's Cathedral |
| 113 | Caledonia, Ont. | Presbyterian Church |
| 114 | St. Mary's, Ont. | Presbyterian Church |
| 115 | Toronto, Ont. | St. Margaret's Church |
| 116 | Toronto, Ont. | St. Mary's Church, Bloor Street West |
| 117 | Thorold, Ont. | Methodist Church |
| 118 | Ridgetown, Ont. | Methodist Church |
| 119 | Oakville, Ont. | Presbyterian Church |
| 120 | Kingsville, Ont. | Methodist Church |
| 121 | Montreal, Que. | (Cote St. Antoine) St. Mathias |
| 122 | Brantford, Ont. (W) | Farringdon Church |
| 123 | East Toronto, Ont. | St. Saviour's Church |
| 124 | Toronto, Ont. (Norway) | St. John's Church |
| 125 | Toronto, Ont. | St. Matthew's Church |
| 126 | Kincardine, Ont. | Knox Church |
| 127 | Orillia, Ont. | Methodist Church |
| 128 | Ingersoll, Ont. | Presbyterian Church |
| 129 | Toronto, Ont. | St. Philip's Church |
| 130 | Seaforth, Ont. | St. Thomas' Church |
| 131 | Caledonia, Ont. | St. Thomas' Church |
| 131A | Toronto, Ont. | Masonic Hall, Temple Building |
| 132 | Toronto, Ont. | Olivet Congregational Church |
| 133 | Toronto, Ont. | St. Giles' Church |
| 134 | Belleville, Ont. | Albert College |
| 135 | Uxbridge, Ont. | Methodist Church |
| 136 | Cannington, Ont. | Methodist Church |
| 137 | Markham, Ont. | Methodist Church |
| 138 | Waterloo, Ont. | St. John's Church (Lutheran) |
| 139 | Elmira, Ont. | German Lutheran Church |
| 140 | Waterloo, Ont. | Methodist Church |
| 141 | Madoc, Ont. | Presbyterian Church |
| 142 | Waterloo, Ont. | Presbyterian Church |
| 143 | Deer Park, Ont. | Christ Church (rebuilt) |
| 144 | Eglinton, Ont. | English Church |
| 145 | Toronto, Ont. | Bishop Strachan School |
| 146 | Baillieboro, Ont. | English Church |
| 147 | Hamilton, Ont. | Zion Tabernacle |
| 148 | Hamilton, Ont. | St. Mark's Church |
| 149 | Hamilton, Ont. | St. George's Church |
| 150 | Hamilton, Ont. | St. John's Presbyterian Church |
| 151 | Toronto, Ont. | St. Joseph's Convent |
| 152 | Cayuga, Ont. | Presbyterian Church |
| 1897 - 153 | Warren, Ont. | Methodist Church |
| 154 | Kingsville, Ont. | Methodist Church |
| 155 | Toronto, Ont. | Bonar Presbyterian Church |
| 156 | Caledonia, Ont. | Methodist Church |
| 157 | Thorold, Ont. | Methodist Church (2nd organ) |
| 158 | Niagara Falls, Ont. | Christ Church |
| 159 | Port Arthur, Ont. | Methodist Church |
| 160 | Sault Ste. Marie, Ont. | English Church |
| 161 | Omamee, Ont. | English Church |
| 162 | Bobcaygeon, Ont. | English Church |

LIST OF ORGANS—*Continued.*

| | | |
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| 163 | Brantford, Ont. | English Church |
| 164 | Toronto, Ont. | St. Jude's Church |
| 165 | Annan, Ont. | Presbyterian Church |
| 166 | Walkerton, Ont. | English Church |
| 167 | Millbrook, Ont. | Presbyterian Church |
| 168 | Grove, Ont. | Methodist Church |
| 169 | Toronto, Ont. | St. Matthews' Church (2nd organ) |
| 170 | Toronto, Ont. | St. Cyprian's Church |
| 171 | Collingwood, Ont. | Methodist Church |
| 172 | Toronto, Ont. | Christian Science Church |
| 173 | Berlin, Ont. | Methodist Church |
| 174 | Simcoe, Ont. | Methodist Church |
| 175 | St. Thomas, Ont. | Central Methodist Church |
| 176 | Burlington, Ont. | Presbyterian Church |
| 177 | Newmarket, Ont. | Methodist Church |
| 178 | Orillia, Ont. | Methodist Church |
| 179 | Sarnia, Ont. | St. George's Church |
| 180 | Markdale, Ont. | Methodist Church |
| 181 | Amherstburgh, Ont. | Episcopal Church |
| 182 | Winnipeg, Man. | German Lutheran Church |
| 183 | Meaford, Ont. | Presbyterian Church |
| 184 | Toronto, Ont. (E) | Hope Methodist Church |
| 185 | Toronto, Ont. | North Parkdale Methodist Church |
| 186 | Brighton, Ont. | Methodist Church |
| 187 | Picton, Ont. | Presbyterian Church |
| 188 | Niagara Falls, Ont. | St. Andrew's Church |
| 188A | Toronto, Ont. | Masonic Hall |
| 189 | Kenora, Ont. | St. Alban's Church |
| 190 | Hanover, Ont. | German Lutheran Church |
| 191 | Lucan, Ont. | Methodist Church |
| 192 | Chatham, Ont. | Victoria Avenue Methodist Church |
| 193 | Milton, Ont. | Methodist Church |
| 194 | Dresden, Ont. | Methodist Church |
| 195 | Desboro, Ont. | German Lutheran Church |
| 196 | Allandale, Ont. | Methodist Church |
| 197 | Hamilton, Ont. | Charlton Avenue Methodist Church |
| 198 | Toronto, Ont. | Simpson Avenue Methodist Church |
| 199 | Dunnville, Ont. | St. Paul's Church |
| 200 | Niagara Falls, Ont. | English Church |
| 201 | Dunnville, Ont. | Baptist Church |
| 202 | Toronto, Ont. | Trinity Church (2nd organ) |
| 203 | Preston, Ont. | St. Paul's Church |
| 204 | Grafton, Ont. | English Church |
| 205 | Eglinton, Ont. | Methodist Church |
| 206 | Hastings, Ont. | English Church |
| 207 | Toronto, Ont. | Queen Street East Presbyterian Church |
| 208 | Meaford, Ont. | Baptist Church |
| 209 | St. Catherines, Ont. | Ridley College |
| 210 | Caledonia, Ont. | Methodist Church |
| 211 | Lakefield, Ont. | Methodist Church |
| 212 | Port Dalhousie, Ont. | English Church |

ORGANS NOW BUILDING.

Methodist Church, Colborne, Ont.
 Methodist Church, Blenheim, Ont.
 Methodist Church, Flesherton, Ont.

May 1, 1910.

Ed. Lynd & Sons July 7/22
\$1200.- Organ - 2 stops on each manual.
Rather sell an instrument @ \$1000. than one
@ \$1200.-
Sell up to \$2000.- including blower.

Description of Measurements

If you are not familiar with scaling measurements, I recommend you checkout my book of Scaling. It is available for free download from my website <http://www.blairbatty.ca/tonal.html#scales>. I typically measure every “c” and “f#” pipe, to understand how the dimensions of the pipes change, throughout the compass, from bass to treble.

Diameter: This is the inside diameter of the pipe, measured in millimeters.

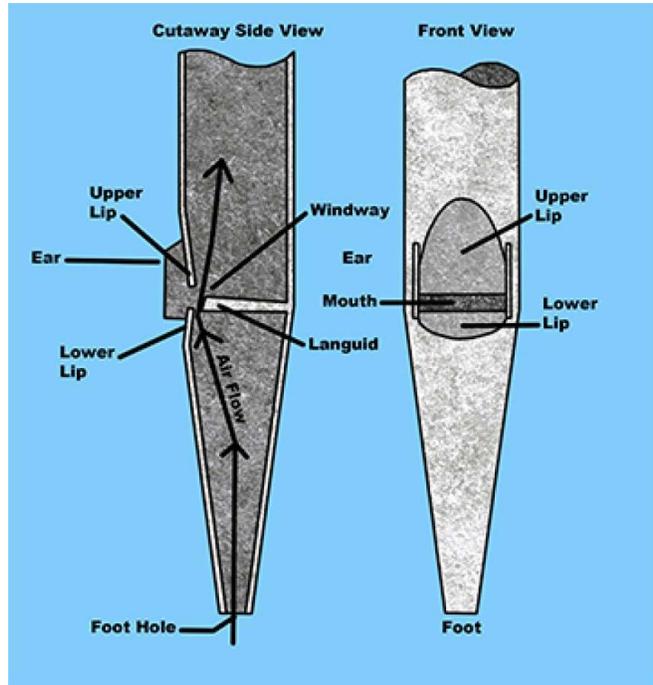
Mouthwidth: width of the mouth in millimeters.

Cutup: is distance between the upper and lower lips, in millimeters.

Windway: is the width of the slit of the windway, in millimeters.

Toehole: Is the diameter of the wind hole in the bottom of the foot, in millimeters.

Foot WP: Is the windpressure inside the foot of the pipe, measured in Pascal. Ten Pascal = ~1 millimeter watercolumn.



Calculations

Not everything was measured. Some of the numbers written down here were calculated from the measurements.

Topfer NM: The diameter, mouthwidth and cutup measurements were converted to Topfer Normmeasure and graphed. Mouth NM presumes $\frac{1}{4}$ mouth as normal, cutup presumes $\frac{1}{4}$ cutup as normal.

Mouthwidth and cutups: are commonly described as fractions (e.g. $\frac{1}{4}$ mouthwidth, $\frac{1}{4}$ cutup). So, these fractions were also calculated.

Foot wp %: is $(\text{footpressure}/\text{chestpressure}) * 100$; another interesting reference.

Dr Hartmut Ising developed a formula to show how well the mouth matches the resonator. It provides an intonation number (I), a dimensionless value that represents a pipe's timbre and efficiency.

An Ising of 2 is an ideal match between the mouth and the resonator (*but not necessarily the best sound*). The pipe works most efficiently. For a given frequency, what Ising requires is the cutup, and the amount of energy input.

The Ising number provides a useful reference point. But you need some experience to make sense of the numbers. As Ising numbers get larger, the sound gets brighter;

- I=1.4 is typical for a Stopped Diapason.
- I=2 is a typical Diapason.
- I=3 makes a good string.

dB 3pf: Is the theoretical, nearfield, dB loudness of 3 adjacent pipes simultaneously played.

What do the Numbers Tell Us?

Some people, like I, enjoy measuring the various dimensions of the pipes in an organ, and generating various charts and graphs of that data. We do that to discover how the original designer and voicer scaled and manipulated the pipes, to arrive at the sound they wanted.

In very simplistic terms, scaling and voicing can be described in this way:

- Diameter determines the loudness of the fundamental of the pipe.
- Cutup fine-tunes the harmonic content.
- Toehole/mouthwidth/windway fine-tunes the loudness.

Of course, it's not that simple. For example, you can increase the scale of the pipe, which would increase the loudness of the fundamental (*and will also make the tone brighter*). Then by reducing the toehole size which reduces the wind and loudness, and by using a lower cutup to reduce the brightness you can approximate the original pipes sound. But it is not identical, change has consequence.

