

The LORD MAYOR proposed "The Sanitary Institute of Great Britain," coupled with the name of Dr. Carpenter, who responded.

Dr. ALFRED CARPENTER said that the Institute was trying to remove two very important difficulties which stood in the way of success. The first difficulty was one that arose from the gross ignorance of the people as to what was true sanitary science. Now, one great object of the Institute in going from place to place was to teach the people what was true sanitary work, and for that purpose the exhibition was organised. Another object was the instruction of official workers, so that local authorities would be enabled to appoint inspectors of nuisances and surveyors who having obtained the certificate of the Examiners of the Sanitary Institute, were men who were proved to have a thorough knowledge of the first principles of sanitary science, and were not merely appointed because they were friends of town commissioners or boards of guardians. The Institute aimed at popularising the truths of sanitary science. He thanked his Excellency on behalf of the Institute for his attendance, and he also took that opportunity of thanking the Lord Mayor for the trouble he had taken to remove difficulties that had existed, and bring the Congress to a very satisfactory issue, and which but for that assistance would have jeopardised the Congress.

Dr. GRIMSHAW (the Registrar-General) proposed the toast of "The Judges," and said he thought he was right in stating that the Health Exhibition at Ball's Bridge was the largest ever held under the auspices of the Sanitary Institute.

Professor CORFIELD responded, and said that the object of the awards was that they should be a real guide as to what was valuable in sanitary science. No awards were given without the exhibits being practically tested, and no reliance was placed on models so far as the granting of prizes was concerned.

Dr. CARPENTER proposed "The Local Committees," to which Mr. Maguire responded, and acknowledged the valuable help received from the members of the medical profession. Without the aid of Mr. Edward Spencer, the Assistant Secretary, they could not have had so great success.

Dr. CARPENTER said he had been directed by the President to say that the arrangements connected with the banquet had been carried out by Dr. Duffey. The President had requested him to say that he as well as the Council tendered to that gentleman their grateful thanks for all that he had done to promote their enjoyment, and to give them the very pleasant and enjoyable evening that they had had the privilege of spending.

Dr. DUFFEY's health was then drunk with much cordiality, and that gentleman briefly acknowledged the compliment.

## SUPPLEMENTARY REPORT OF THE JUDGES ON THE EXHIBITS DEFERRED FOR FURTHER PRACTICAL TRIAL.

GLASGOW, 1883.

Out of the forty-four exhibits deferred for further practical trial, as mentioned in the Report, the following were submitted by the exhibitors:—

WOOLLAMS, W., & Co., *London*, Pigments and Paper Hangings.  
BOROUGH LEATHER WAREHOUSE COMPANY, *London*, Crocodile Hide Leather.  
GARDNER, A., & SON, *Glasgow*, Preserved Timber.  
HILDESHEIM, J., *Glasgow*, Dicks' L'Extincteur.  
BOULNOIS, H. P., *Portsmouth*, Acme Sewer Pipes.  
HARRISSON, T. HARNETT, *Liverpool*, Improved Collar-joint.  
EMPTAGE, D., *Margate*, Round Pipe Traps.  
BACON, J. L., & Co., *London*, Hot Water Apparatus.  
SINCLAIR, G., *Leith*, Mechanical Stoker.  
BRADBURY & Co., *Oldham*, Sewing Machines.  
SINGER MANUFACTURING COMPANY, *London*, Sewing Machines.  
GROSVENOR, F., *Glasgow*, Filters.  
HENDERSON, O., *Glasgow*, Silicated Carbon Filters.  
\*Maignen, P. A., *London*, Anti-Calcareous Powders.  
BEVERIDGE & Co., *Glasgow*, Pickles, Sauces, and Essence of Coffee.  
CONDENSED MILK Co., *Limerick*, Condensed Milk.  
IRVINE & Co., *Gateshead-on-Tyne*, Mustard.  
INDIAN TEA Co., *Glasgow*, Indian Tea.  
SCOTT, A. & R., *Glasgow*, Oat-flour.  
CALVERT, F. C., & Co., *Manchester*, 50% Carbolic Disinfecting Powder.  
RIMMEL, EUGENE, *London*, Aromatic Ozonizer.  
WHEELER, J., *Ilfracombe*, Pixene.

We recommend that Medals and Special Certificate be awarded to the undermentioned exhibitors:—

BOULNOIS, H., PERCY, *Portsmouth*, for "Acme" Sewer Pipes.  
SINCLAIR, G., *Leith*, for Mechanical Stoker.  
SINGER MANUFACTURING COMPANY, *London*, for Friction Driving Attachment for Sewing Machines.

\* See note at end of Report on next page.

## (SPECIAL CERTIFICATE).

WOOLLAMS, W. & Co., *London*, for Non-Arsenical Pigments and Paper Hangings.

We also recommend that Certificates of Merit be awarded to the undermentioned exhibitors:—

BOROUGH LEATHER WAREHOUSE COMPANY, *London*, for Crocodile Hide Leather.

GARDNER, A., & SON, *Glasgow*, for Method of Rendering Timber Non-Inflammable.

HILDESHEIM, J., *Glasgow*, for Dicks' L'Extincteur.

HARRISSON, T. HARNETT, *Liverpool*, for Improved Method of Connecting Lead Pipes with Stoneware Pipes.

BRADBURY & Co., *Oldham*, for Revolving Shuttle for Sewing Machines.

BEVERIDGE & Co., *Glasgow*, for Pickles and Sauces.

IRVINE & Co., *Gateshead*, for Mustard.

INDIAN TEA COMPANY, *Glasgow*, for Indian Tea.

SCOTT, A. & R., *Glasgow*, for Midlothian Oat-flour.

CALVERT, F. C., & Co., *Manchester*, for 50% Carbolic Disinfecting Powder.

WHEELER, J., *Ilfracombe*, for "Pixene."

\* We have not yet had sufficient opportunity of testing the exhibit marked with an asterisk, and it is therefore of necessity deferred for a future Report.

We regret that we are unable to recommend the award of the Richardson Medal.

W. H. CORFIELD, M.A., M.D., OXON, CHAIRMAN.

H. C. BARTLETT, PH.D., F.C.S.

F. S. B. F. DE CHAUMONT, M.D., F.R.S.

ROGERS FIELD, B.A., M.Inst.C.E.

HENRY LAW, M.Inst.C.E.

J. WALLACE PEGGS, A.M.Inst.C.E.

H. SAXON SNELL, F.R.I.B.A.

ERNEST TURNER, F.R.I.B.A.

## REPORT OF THE JUDGES OF THE EXHIBITION, DUBLIN, 1884.

We, the undersigned, the Judges appointed by the Council, beg leave to recommend to the Council the following distribution of Medals and Special Certificates, and of Certificates of Merit.

Exhibits which have already received Medals at previous Exhibitions of the Institute are excluded from awards of Medals, but those Exhibits to which a second Medal would otherwise be awarded receive Special Certificates, and these are distinguished in the following list by asterisks.

### SILVER MEDAL OFFERED BY THE EXETER GAS COMPANY.

WRIGHT, J., & Co., *Birmingham*, for Eureka Gas Cooking Stove.

### MEDALS AND SPECIAL CERTIFICATES.

We recommend that Medals or Special Certificates be awarded to the undermentioned exhibitors:—

#### CLASS I.—BUILDING MATERIALS, CONSTRUCTION AND MACHINERY.

\*BRADFORD & Co., *London*, for Washing Machines.

DOULTON & Co., *London*, for Art Pottery.

#### CLASS II.—WATER SUPPLY AND SEWERAGE.

\*BRITISH SANITARY Co., *Glasgow*, for Self-acting Earth Closets.

CRAIG, J. & M., *Kilmarnock, N.B.*, for Enamelled Fireclay Sinks.

\*DOULTON & Co., *London*, for Anti-Percussion High Pressure Valves.

\*HEAP, R. R., *Manchester*, for Dry Earth or Ashes Closet.

MAQUIRE & SON, *Dublin*, for their exhibit of Sanitary and Domestic Appliances.

SHANKS & Co., *Barrhead, N.B.*, for Siphon-action Water Waste Preventers.

## CLASS III.—HEATING, LIGHTING, AND VENTILATING.

- \*DOULTON & Co., *London*, for Ventilating Tile Stove.  
 EDMUNDSON, J., & Co., *Dublin*, for exhibit of Swann's Electric Lamps.  
 \*ELLISON J. E., *Leeds*, for Conical Ventilators.  
 MUSGRAVE & Co., *Belfast*, for Slow Combustion Stoves.  
 \*SMALLMAN, JOHN L., *Dublin*, for Stott's Mercury Gas Governor.  
 \*WILSON ENGINEERING CO., *London*, for the Wilson Cooking Range.  
 WRIGHT, J., & Co., *Birmingham*, for Eureka Gas Cooking Stove.

## CLASS IV.—PERSONAL HYGIENE, FOODS, FILTERS, AND DISINFECTANTS.

- BURROUGHS, WELLCOME & Co., *London*, for Powders for Peptonising Milk.  
 \*CALVERT, F. C., & Co., *Manchester*, for Carbolic Acid and preparations of it.  
 \*CHORLTON & DUGDALE, *Manchester*, for Excelsior Spring Mattress.  
 CHORLTON & DUGDALE, *Manchester*, for "Swing" Woven Wire Mattress.  
 DONEGAL INDUSTRIAL FUND, for Innocuously-dyed Woollen Goods.  
 MACKAY, MACKAY, & Co., *London*, for Chemicals used for Disinfection.  
 \*MAIGNEN, P. A., *London*, for Filtre Rapide.  
 PIM BROS., *Dublin*, for exhibit of Furniture.  
 ROTHWELL, W., *Bolton*, for Flat Web Knitting Machine, and Rothwell Knitting Machines.

## CERTIFICATES OF MERIT.

We further recommend that Certificates of Merit be awarded to the undermentioned Exhibitors:—

## CLASS I.—BUILDING MATERIALS, CONSTRUCTION AND MACHINERY.

- ADAMS, ROBERT, *London*, for the Norton Door Spring.  
 ADAMS, ROBERT, *London*, for Adjustable Pivot for Fanlights.  
 BOURTREHILL COAL CO., for White Enamelled Bricks.  
 CADLE, C., *Dublin*, for Silicate Cotton Composition for covering Steam-Pipes.  
 CARSON, W., & SONS, *Dublin*, for Willesden Waterproof Paper and Canvas.  
 CORDINGLEY, T., & SONS, *Bradford*, for Granite Concrete Pavement.  
 CRAIG, J. & M., *Kilmarnock*, for White Enamelled Bricks.  
 DOULTON & Co., *Lambeth, London*, for Silicon Tread for Steps.  
 MAGUIRE & SON, *Dublin*, for Marsden Tiling for Wall Decoration.  
 PENNYCOOK PATENT GLAZING AND ENGINEERING CO., *Glasgow*, for their System of Glazing without Putty.  
 SCOTT, F. R., & Co., *Dublin*, for Solid Oak Parquet Flooring.  
 WILBY, W., *Dublin*, for Chain Belting for Machinery.

## CLASS II.—WATER SUPPLY AND SEWERAGE.

- BAIRD, W., *Dublin*, for Butler's Sink, lined with Block Tin.  
 BAIRD, W., *Dublin*, for White Enamelled Fireclay Sinks.  
 BAIRD, W., *Dublin*, for Bath, with Shower Douche and Spray Fittings combined.  
 BAIRD, W., *Dublin*, for Lavatory, with Shampooing Apparatus.  
 BAIRD, W., *Dublin*, for Hydraulic Ram.  
 BAIRD, W., *Dublin*, for Horizontal-Pull Fittings for Baths and Lavatories.  
 BAIRD, THOMPSON, & Co., *Glasgow*, for Watts's Asphyxiator for Testing Drains with Smoke.  
 BOURTREHILL COAL CO., *Dreghorn, Ayrshire*, for Stoneware Drain Pipes.  
 BOURTREHILL COAL CO., *Dreghorn, Ayrshire*, for White Enamelled Fireclay Sinks.  
 CRAIG, J. & M., *Kilmarnock*, for Buchan's Disconnecting Trap.  
 DOULTON & Co., *Lambeth, London*, for Vacuum Flushing Cistern for Water-Closets, with Seat-action Arrangement.  
 DOULTON & Co., *Lambeth, London*, for Cheap Glazed Stoneware Sinks.  
 DOULTON & Co., *Lambeth, London*, for Locking Apparatus for Bath-Fittings.  
 DOULTON & Co., *Lambeth, London*, for Lambeth Combination Water-closet.  
 DOULTON & Co., *Lambeth, London*, for Enamelled Ware Open Channels for Manholes.  
 DOULTON & Co., *Lambeth, London*, for Manhole for Drains, with connections complete.  
 DOULTON & Co., *Lambeth, London*, for London-made Stoneware Pipes.  
 MAGUIRE & SON, *Dublin*, for White Enamelled Fireclay Sinks.  
 MAGUIRE & SON, *Dublin*, for Cast-iron Drain Pipes, coated with Angus Smith's Preparation.  
 SHANKS & Co., *Glasgow*, for Cast Iron Baths.  
 SHANKS & Co., *Glasgow*, for Porcelain Lavatories.  
 TWYFORD, T., *Hanley*, for Lavatory Basins.  
 TWYFORD, T., *Hanley*, for Slop Sinks.  
 TWYFORD, T., *Hanley*, India-Rubber Connection for joining flushing pipe to W.C. Basin.

## CLASS III.—HEATING, LIGHTING, AND VENTILATING.

- ARDEN HILL & Co., *Birmingham*, for Gas Cooking Stove, lined with White Tiles.  
 CARSON, W., & SONS, *Dublin*, for Tortoise Slow Combustion Stoves.  
 DOULTON & Co., *Lambeth, London*, for Glazed Ware Mantelpiece, with Slow Combustion Grate.  
 ELLISON, J. E., *Leeds*, for Radiator Ventilator.

KITE & Co., *London*, for Noiseless Chimney Breast Outlet Ventilator.  
 KITE & Co., *London*, for Wall Inlet Ventilator.  
 LEGGOTT, W. & R., *Bradford*, for Opener for Fanlights and Skylights.  
 MAGUIRE & SON, *Dublin*, for New Laundry Stove and Copper Boiler.  
 WRIGHT, J., & Co., *Birmingham*, for Ventilating open Gas Fire.

CLASS IV.—PERSONAL HYGIENE, FOODS, FILTERS, AND DISINFECTANTS.

BILLINGTON BROS., *Liverpool*, for Portable Bed, with *Liverpool* Spring Mattress.  
 BOYD, S., *Dublin*, for Soaps.  
 BOYD, S., *Dublin*, for Chemicals used in Disinfection.  
 BURROUGHS, WELLCOME, & Co., *London*, for Absorbent Cotton and Antiseptic Sponges.  
 CALVERT, F. C., & Co., *Manchester*, for Carbolic Soaps.  
 CALVERT, F. C., & Co., *Manchester*, for Soluble Cresol.  
 CARSON, W., & SONS, *Dublin*, for their exhibit of Tricycles.  
 CHORLTON & DUGDALE, *Manchester*, for Hospital Bed, fitted with Raising Appliances.  
 CHORLTON & DUGDALE, *Manchester*, for Pitch Pine Lath Mattress.  
 CHORLTON & DUGDALE, *Manchester*, for Hospital Bed, with New Spring Mattress.  
 DUBLIN AND WICKLOW MANURE Co., for Alum Cake.  
 ELVERY, J. W. & Co., *Dublin*, for Gentlemen's Ventilated Waterproof Overcoats.  
 FLEMING, W., *Dublin*, for the Combination Bedstead.  
 FLETCHER BROS., *Dublin*, for exhibit of Tricycles.  
 GRAHAM, W., *Dublin*, for Ventilated Hats.  
 GROOM & Co., *London*, for Bower's Potato Steamer.  
 GROOM & Co., *London*, for Self-Indicating Tea or Coffee Infuser.  
 HARRISON PATENT KNITTING MACHINE Co., *Manchester*, for Knitting Machines.  
 HOTBLACK, J., & SONS, *Norwich*, for an Improved Shape of Boot.  
 JEY'S SANITARY COMPOUND Co., *London*, for Jey's Perfect Purifier.  
 MAGUIRE & SON, *Dublin*, for Scott's Self-regulating Disinfecting Chamber.  
 MORGAN, J., *Dublin*, for Pith Helmet.  
 PEARSON & Co., *Dublin*, for the Institution Bed with Woven-Wire Mattress.  
 PIM BROS. LIMITED, *Dublin*, for the Victoria Knitting Machine.  
 PIM BROS., *Dublin*, for the Hinged Cot.  
 SCOTT & Co., *Dublin*, for exhibit of Furniture.  
 SHORT, PATRICK, *Dublin*, for the Rhinoceros Hide "S" Boot.  
 TYRRELL, BROOKE, *Dublin*, for exhibit of Furs.  
 WEBB, A., *Dublin*, for the "Natural" Boot for Ladies.  
 WHEELER, J., *Ilfracombe*, for Pixene.

CLASS V.—ARTICLES OF SANITARY INTEREST NOT INCLUDED IN THE ABOVE CLASSES.

ELVERY, J. W. & Co., *Dublin*, for the Leander Life Belt.  
 SMITH, ELDER, & Co., *London*, for Sanitary Publications.  
 STEPHENSON & TRAVIS, *Liverpool*, for Stypium Absorbent Antiseptic Surgical Dressings.

EXHIBITS SELECTED FOR FURTHER PRACTICAL TRIAL.

With regard to the following Exhibits the Judges are unable to give their decisions until they have submitted the Exhibits to a more complete and extended practical examination than is possible at the Exhibition:—

CLASS I.—BUILDING MATERIALS, CONSTRUCTION AND MACHINERY.

CADLE, C., *Dublin*, Cotton Machine Belting.  
 CARSON, W., & SONS, *Dublin*, Anti-corrosion and other Paints.  
 DOCKRELL, F., & SONS, *Dublin*, Cheap Artistic Non-poisonous and Washable Wall Papers  
 GANDY, MAURICE, *London*, Cotton Machine Belting.

CLASS II.—WATER SUPPLY AND SEWERAGE.

BAIRD, WILLIAM, *Dublin*, Turbine Wheels.  
 BOURTREEHILL COAL Co., *Dreghorn, Ayrshire, N.B.*, White Enamelled Fireclay Laundry Trough.  
 CADLE, C., *Dublin*, Double Turbine Water Wheel.  
 CRAIG, J. & M., *Kilmarnock*, Shield's Flush-out Water-closet.  
 CRAIG, J. & M., *Kilmarnock*, White Enamelled Fireclay Laundry Trough.  
 DOULTON & Co., *London*, Automatic Flushing Tanks.  
 DOULTON & Co., *London*, Waste-preventing Valve for Water-closets.  
 DOULTON & Co., *London*, Automatic Flusher for Urinals.  
 DOULTON & Co., *London*, Jointed Tested Pipes.  
 DOULTON & Co., *London*, Grease Interceptors.  
 MAGUIRE & SON, *Dublin*, Safety Joint Drains.  
 MAGUIRE & SON, *Dublin*, White Enamelled Fire-clay Laundry Trough.  
 MAGUIRE & SON, *Dublin*, Sanitary Reform Universal Water-closet.  
 MAGUIRE & SON, *Dublin*, Wilcocks' Automatic Flushing Closet.  
 MIGNEN, P. A., *London*, Process for Softening Water.

CLASS III.—HEATING, LIGHTING, AND VENTILATING.

BACON, J. L., & Co., *London*, Heating Apparatus.  
 CADLE, C., *Dublin*, Blackman Air Propeller.  
 WENHAM'S PATENT GAS LAMP COMPANY, *London*, Regenerative Gas Burner.

WILSON ENGINEERING COMPANY, *London*, System of Utilizing the Waste Heat from Cooking Ranges.

CLASS IV.—PERSONAL HYGIENE, FOODS, FILTERS, AND DISINFECTANTS.

BENS DORP & Co., *London*, Soluble Dutch Cocoa.  
 BURROUGHS & WELLCOME, *London*, Kepler's Extract of Malt, and ditto with combinations.  
 CANTRELL & COCHRANE, *Dublin and Belfast*, Ginger Ale, Sparkling Montserrat, Potash, Soda, and Seltzer Waters, and Lemonade.  
 CHLOROZONE FLUIDS COMPANY, THE, *London*, Chlorozone and Eureka Fluids.  
 CLARK E., & Co., *London*, Coffee Extract.  
 DOULTON & Co., *London*, Manganous Carbon Filters.  
 DUBLIN & WICKLOW MANURE Co., *Dublin*, Strype's Process for Drying Blood.  
 GLEN MILLS COMPANY, THE, *Dublin*, Self-Raising Flour.  
 HOLOHAN & SONS, *Dublin*, Lemonade, Soda Water, Seltzer Water Aromatic Ginger Ale.  
 HOTBLACK, J. & SONS, *Norwich*, the Health Boot.  
 LANE, DENNY, *Cork*, Silverspring Rice Starch.  
 McDOUGALL & GUNN, *Glasgow*, Lavage Boon and Soaps.  
 RIMMEL, E., *London*, Transparent Coal Tar Soap.  
 ROSS & Co., *Belfast*, Ginger Ale, Soda, Potash, and Seltzer Waters, and Lemonade.  
 SCOTT, A. & R., *Glasgow and London*, Midlothian Oat Flour.  
 SHANKS & Co., *Dublin*, Soda and Seltzer Waters, Aromatic Ginger Ale, and Lemonade.

We mentioned in our Report last year, that the Committee specially appointed by the Institute to carry out experiments on cowls had found that the indications of the ordinary air meters which are used for testing cowls are unreliable.

The Committee have succeeded in determining accurately the values of the indications given by certain air meters, and are now actively engaged in carrying out a series of experiments on various cowls with these corrected meters.

Until the Report of this Committee appears, we are unable to give any awards for cowls and this class of ventilators.

No award can be made of the Richardson Gold Medal until the deferred trials have taken place.

(Signed) W. H. CORFIELD, M.A., M.D. Oxon., *Chairman*.  
 H. C. BARTLETT, Ph.D., F.C.S.  
 F. S. B. F. DE CHAUMONT, M.D., F.R.S.  
 ROGERS FIELD, B.A., M.Inst.C.E.  
 J. WALLACE PEGGS, Assoc.M.Inst.C.E.  
 H. SAXON SNELL, F.R.I.B.A.  
 ERNEST TURNER, F.R.I.B.A.

SUPPLEMENTARY REPORT OF THE JUDGES ON THE EXHIBITS DEFERRED FOR FURTHER PRACTICAL TRIAL.

DUBLIN, 1884.

Out of the thirty-nine Exhibits deferred for further practical trial, as mentioned in the Report, the following were submitted by the exhibitors:—

DOCKRELL, THOMAS, SONS & Co., *Dublin*, Cheap Artistic Non-poisonous and Washable Wall Papers.  
 \*GANDY, MAURICE, *London*, Cotton Machine Belting.  
 BOURTREEHILL COAL Co., *Dreghorn, Ayrshire, N.B.*, White Enamelled Fireclay Laundry Trough.  
 MAGUIRE & SON, *Dublin*, Wilcocks' Automatic Flushing Closet.  
 WENHAM'S PATENT GAS LAMP COMPANY, *London*, Regenerative Gas Burner.  
 BENS DORP & Co., *London*, Soluble Dutch Cocoa.  
 BURROUGHS, WELLCOME & Co., *London*, Kepler's Extract of Malt, and ditto with combinations.  
 CLARK, E. & Co., *London*, Coffee Extract.  
 \*DOULTON & Co., *London*, Manganous Carbon Filters.  
 DUBLIN & WICKLOW MANURE Co., *Dublin*, Strype's Process for Drying Blood.  
 LANE, DENNY, *Cork*, Silverspring Rice Starch.

We recommend that Medals be awarded to the undermentioned exhibitors:—

DUBLIN & WICKLOW MANURE Co., *Dublin*, for Strype's Process for Drying Blood.  
 WENHAM'S PATENT GAS LAMP Co., *London*, for Wenham's Ventilating Gas Lamp.

We also recommend that Certificates of Merit be awarded to the undermentioned exhibitors:—

DOCKRELL, THOMAS, SONS & Co., *Dublin*, for Cheap Artistic Non-arsenical Washable Wall Papers.  
 BOURTREEHILL COAL Co., *Dreghorn, Ayrshire*, for White Enamelled Fireclay Laundry Trough.

\* See note at end of Report on next page.

MAGUIRE & SON,, *Dublin*, for Wilcocks' Automatic Flushing Closet.  
 BENSCHORP & Co., *London*, for Soluble Dutch Cocoa.  
 BURROUGHS, WELLCOME & Co., *London*, for Kepler's Extract of Malt,  
 and combinations of it with Pepsine, Chocolate, and Cod Liver  
 Oil.  
 CLARK, E. & Co., *London*, for Coffee Extract.  
 MAIGNEN, P. A., *London*, for Anti-Calcaire Powders for Softening  
 Water, exhibited at the Glasgow Exhibition, 1883.

We have much pleasure in recommending that the Richardson Medal  
 be awarded to—

EDMUNDSON, J. & Co., *Dublin*, for exhibit of Swann's Electric  
 Lamps.

\* We have not yet had sufficient opportunity of testing the exhibits  
 marked with an asterisk, and they are therefore of necessity de-  
 ferred for a future Report.

W. H. CORFIELD, M.A., M.D.Oxon., *Chairman*.  
 H. C. BARTLETT, Ph.D., F.C.S.  
 F. S. B. F. DE CHAUMONT, M.D., F.R.S.  
 W. EASSIE, C.E.  
 ROGERS FIELD, B.A., M.Inst.C.E.  
 HENRY LAW, M.Inst.C.E.  
 J. WALLACE PEGGS, A.M.Inst.C.E.  
 H. SAXON SNELL, F.R.I.B.A.  
 ERNEST TURNER, F.R.I.B.A.

## CONFERENCE ON DOMESTIC SANITATION,

HOLD AT

## THE INTERNATIONAL HEALTH EXHIBITION,

JUNE 9 TO 14TH, 1884.

At the request of the Executive Council of the International Health  
 Exhibition, the Sanitary Institute of Great Britain, the Society of  
 Medical Officers of Health, and the Parkes Museum of Hygiene,  
 combined together for the purpose of organizing a Conference on  
 Sanitary Subjects, and to this end each Society appointed three of its  
 leading members to represent it on a joint Committee.

The joint Committee was thus constituted:—Dr. Alfred Carpenter,  
 J.P., Chairman of Council of the Sanitary Institute; Professor W. H.  
 Corfield, M.A., M.D., Medical Officer of Health for St. George's,  
 Hanover Square; Mr. Ernest Turner, F.R.I.B.A., representing the  
 Sanitary Institute. Dr. T. Orme Dudfield, President of the Society  
 of Medical Officers of Health, Medical Officer of Health for Kensing-  
 ton; Dr. J. S. Bristowe, F.R.S., Medical Officer of Health for Cam-  
 berwell; Mr. A. Wynter Blyth, M.R.C.S., Medical Officer of Health  
 for St. Marylebone, representing the Society of Medical Officers of  
 Health. Captain Douglas Galton, R.E., C.B., F.R.S., Chairman of  
 Council Parkes Museum; Rogers Field, B.A., M.Inst.C.E.; Dr. Louis  
 Parkes representing the Parkes Museum of Hygiene.

Dr. Dudfield was elected Chairman of this Committee, and Dr.  
 Louis Parkes was appointed Honorary Secretary.

The work of organizing the Conference was satisfactorily carried  
 through, the aim of the joint Committee being to bring forward at  
 the Conference by means of Papers, whose authors should be men  
 distinguished in Sanitary work, matters bearing on Public Health,  
 which should not only throw light and provide instruction on some  
 of the great sanitary problems of the day, but which should be  
 capable of discussion, so that a general agreement of Sanitarians on

disputed points might be obtained, and public opinion be thereby guided into the right channels.

The Conferences were very numerous attended, and the subjects of the Papers read were subsequently discussed by some of the most distinguished Sanitarians in the country, including Members of Parliament, Engineers, Architects, Physicians, and Medical Officers of Health. In addition, on Friday, the Conference was honoured by the presidency of the Right Hon. Earl Fortescue; on Saturday, by the presidency of Sir J. McGarel Hogg, Bart., M.P., Chairman of the Metropolitan Board of Works; and on Wednesday, by the presidency of Mr. Edwin Chadwick, C.B.

On Thursday the Conference was honoured by the presence of His Grace the Duke of Buckingham and Chandos, G.C.S.I., Chairman of the Executive Council of the International Health Exhibition, who addressed the meeting.

The Conference lasted from Monday, 9th, to Saturday, 14th June.

Monday, June 9th, Dr. T. Orme Dudfield, President of the Society of Medical Officers of Health, took the chair. Dr. J. W. Tripe, Medical Officer of Health for Hackney, read a paper on "The Domestic Sanitary Arrangements of the Metropolitan Poor."

Mr. Ernest Turner, F.R.I.B.A., read a paper on the "Improvement of the Sanitary Arrangements of Metropolitan Houses."

Tuesday, June 10th, Captain Douglas Galton, C.B., F.R.S., Chairman of Council Parkes Museum of Hygiene, took the chair. Dr. George Wilson, Medical Officer of Health for Mid-Warwickshire, read a paper on "Domestic Sanitation in Rural Districts." Mr. H. Percy Boulnois, M.INST.C.E., Borough Engineer, Portsmouth, read a paper on "Sanitary Houses for the Working Classes in Urban Districts."

Wednesday, June 11th, His Grace The Duke of Northumberland being prevented from presiding owing to sudden illness, Dr. Alfred Carpenter took the chair, which he subsequently vacated to Mr. Edwin Chadwick. Dr. J. Syer Bristowe, F.R.S., Medical Officer of Health for Camberwell, read a paper on "Industrial Diseases."

Thursday, June 12th, Dr. Alfred Carpenter, J.P., Chairman of Council Sanitary Institute, took the chair. Professor W. H. Corfield, M.A., M.D., F.R.C.P., Medical Officer of Health for St. George's,

Hanover Square, read a paper on "How Infectious Diseases are Spread." Dr. R. N. Thursfield, Medical Officer of Health, Shropshire Combined San. Dist., read a paper on "Cows' Milk as a Vehicle of Infectious and Epidemic Diseases to the Community, with suggestions for the more effectual Prevention of such Outbreaks." Friday, June 13th, Right Hon. Earl Fortescue took the chair and addressed the meeting. Dr. Alfred Hill, Medical Officer of Health for Birmingham, then read a paper on "The Notification of Infectious Diseases, its Importance and its Difficulties." Dr. Alfred Carpenter read a paper on "The Right of the State to Enforce Notification, and the best method of doing it." Saturday, June 14th, Sir James M'Garel Hogg, Bart., M.P., took the chair. Mr. Wynter Blyth, Medical Officer of Health for Marylebone, read a paper on "Disposal of the Dead." Mr. W. Eassie, C.E., F.G.S., read a paper on "Cremation."

All the papers, with the discussions which followed, are published *in extenso* in volume viii. of the "Health Exhibition Literature."