


6-1-1964

The Irish Plumbing and Heating Engineer, June 1964 (complete issue)

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ENGINEER



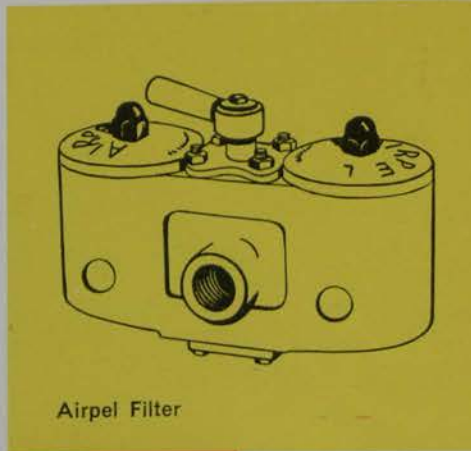
The British Steam Specialties Ltd

supply heating and pipeline equipment for factories, stores, offices and public buildings

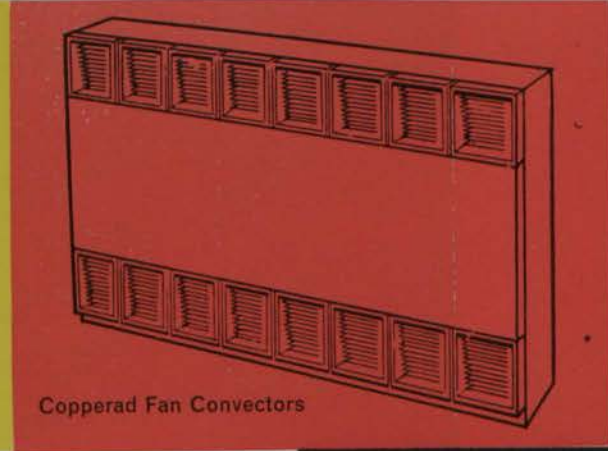
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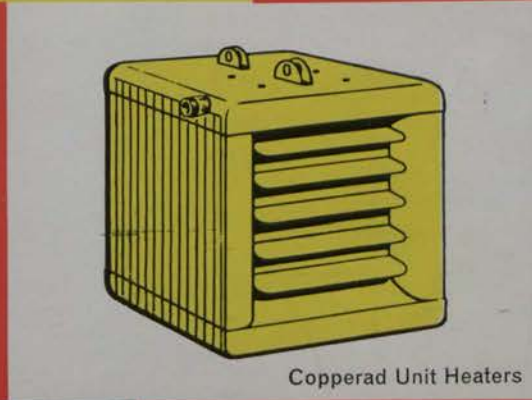
Airpel Filter



Copperad Fan Convectors



Vee-Reg Valves

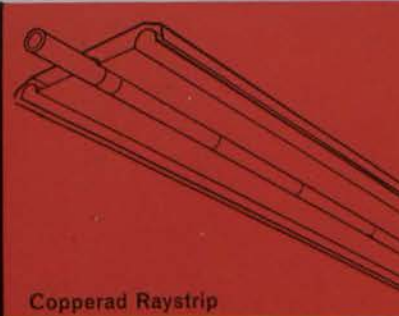


Copperad Unit Heaters

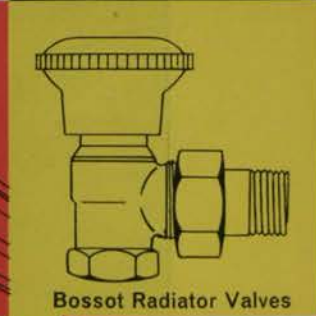


DUBLIN
 33 Leeson Park
 Dublin, 6
 Dublin 66961-2-3-4
 Telex 317

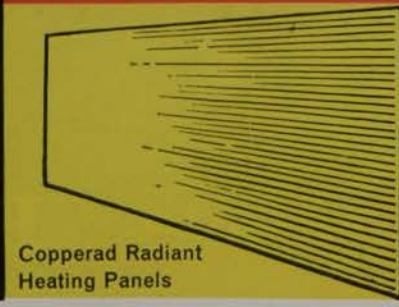
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 Belfast 28031 (3 lines)
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Velan Steam Traps

June 1964

Published by ARROW at TU Dublin, 1964

Vol. 4 No. 3

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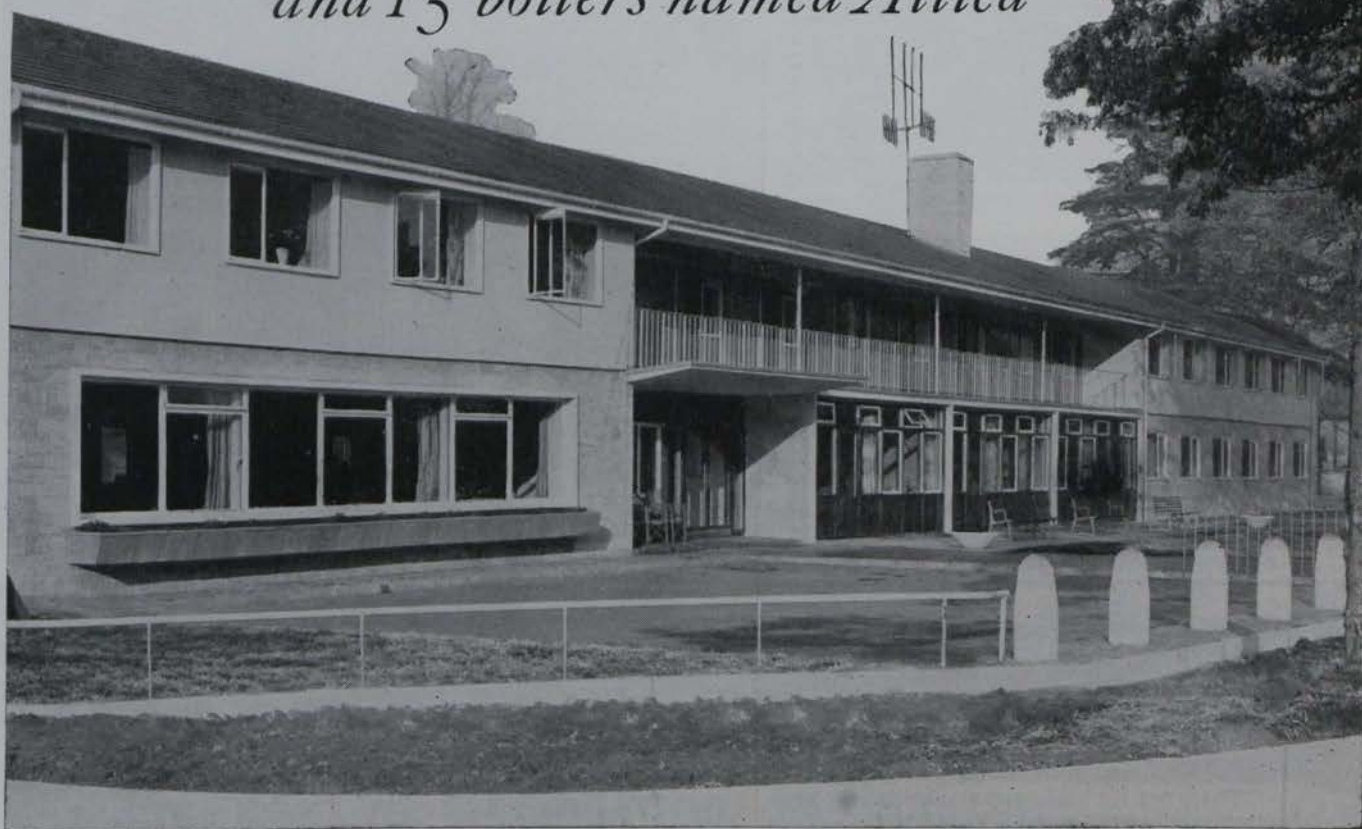
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Phone 76282


et al.: The Irish Plumbing and Heating Engineer, June 1964 (complete issue)

*The warm hearted tale
of 280 old folk
5 gardener-handymen
and 15 boilers named Allied*



It happened when the Gloucestershire County Council built five homes to house 280 old people—like this one at Arle, near Cheltenham. Old people need warmth more than the young. Like the young they need constant hot water. These homes had to make sure they got both—without heavy fuel bills. Because each has only one gardener-handyman to do all the man's work from fuse mending to flower raising, these homes also had to have a heating and hot water system as work-free as possible. This was the tall order the County Architect Department handed to Allied Ironfounders. They chose Allied for many reasons—not the least being that Allied offer the biggest choice of large boilers—oil-fired, gas or solid fuel. And that they could rely on Allied for the most experienced advice. The happy ending to the story came in the form of 15 Allied Automatic Magazine anthracite boilers—one for hot water and two for central heating in each home. Over the past year, with its terrible winter, each set of boilers has never needed more than one hour's attention each day and has used much less fuel than expected. (In Arle House the total consumption was just over 82 tons for the year.) *Similar Allied boilers have recently been installed in 31 Schools, 8 Welfare buildings, 6 Police Stations, 5 Council Buildings, 10 Clubs, 17 Factories, 19 Hotels and 13 Churches.*

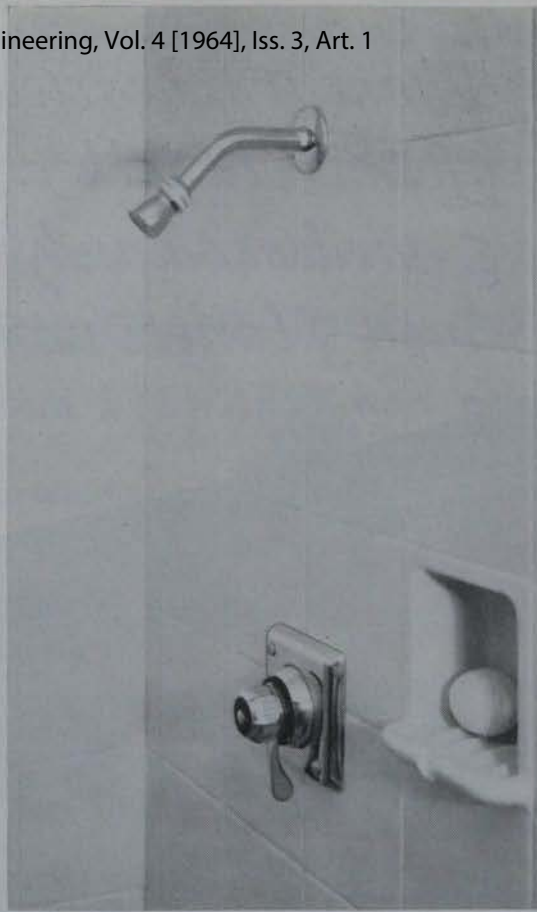
County Architect R. F. FAIRHURST, Dipl. Arch. (L'pool) A.R.I.B.A., A.M.T.P.I. Installed by T. H. HASKETT, LITTLEDEAN.

ALLIED INDUSTRIAL BOILERS ARE MADE BY ALLIED IRONFOUNDERS 

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Three

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was the only sanitary fitting awarded a design prize in the 1963 Hanover International Fair



for single showers
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For larger uses
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hot and cold water economically and safely controlled by Leonard thermostatic mixing valves



Little girls are always washing; look after them with a Leonard.



This baby has high praise for his Leonard controlled bath water. Not a murmur!



Some boys like to get into hot water! Make sure it's controlled by a Leonard.

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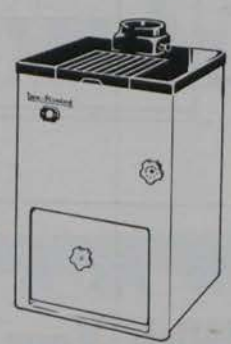
YOUR "IDEAL" for today's modern homes



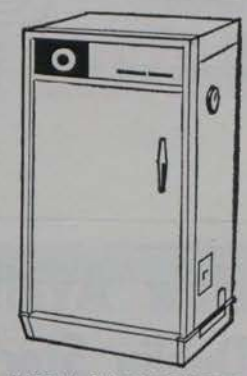
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For a first-class job, always specify IDEAL.

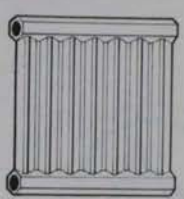
IDEAL offer widest choice in boilers: for oil, gas or solid fuel.



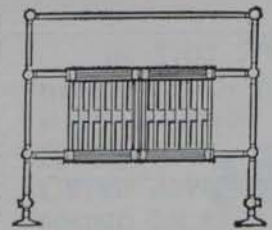
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"IDEAL CLASSIC ELITE"



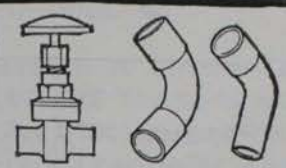
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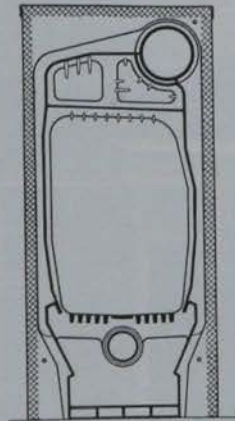
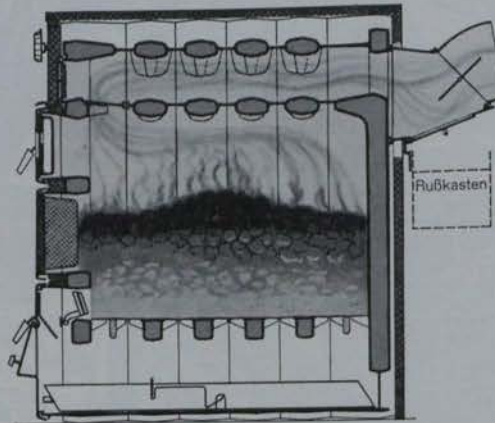
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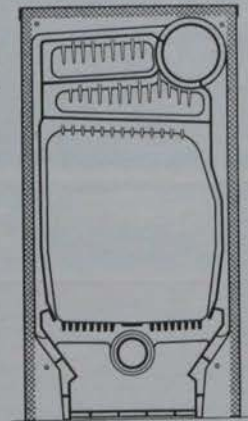
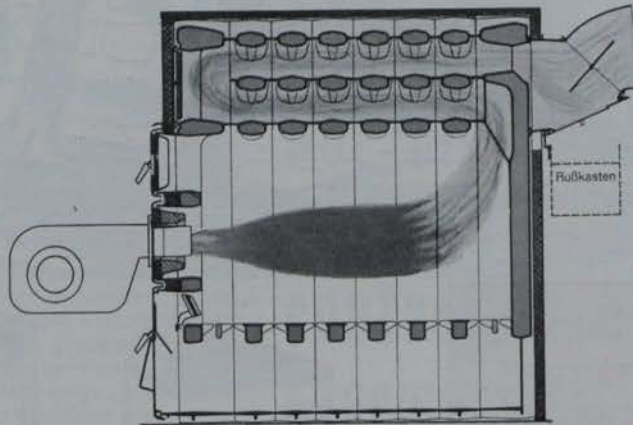


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QUADRANT ENGINEERS

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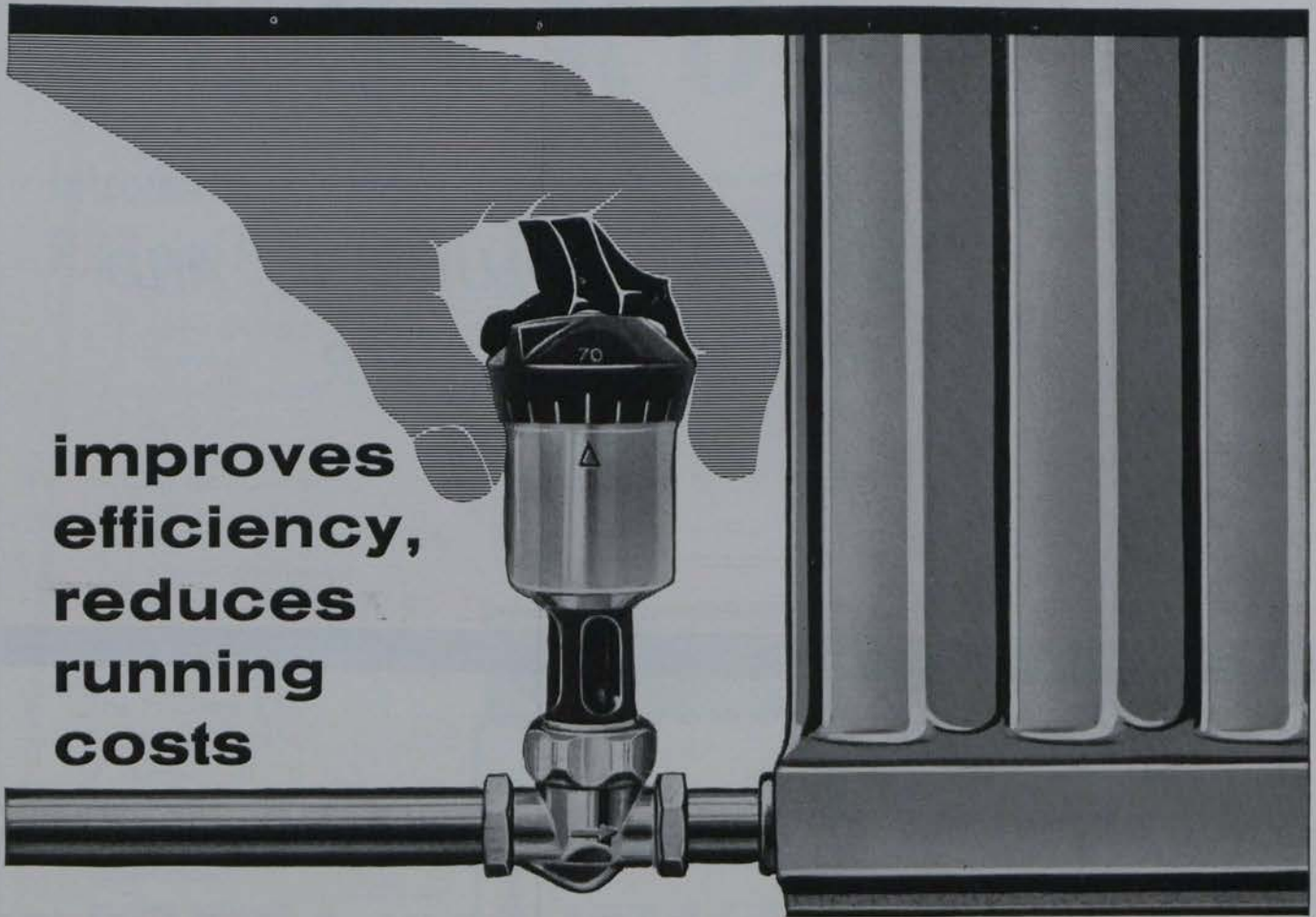
THE IRISH PLUMBING AND HEATING ENGINEER

DIRECTORY OF MANUFACTURERS, AGENTS, REPRESENTATIVES AND MAIN DISTRIBUTORS

IN THIS SPECIAL SECTION WE HAVE COMPILED A COMPLETE DIRECTORY OF PRINCIPALS AND AGENTS SO THAT THE TRADE WILL HAVE A HANDY REFERENCE GUIDE WHENEVER SUCH INFORMATION IS REQUIRED. FOR THE BENEFIT OF READERS ALL CATEGORIES ARE LISTED ALPHABETICALLY AND AN INDEX OF ADDRESSES WILL BE FOUND ON PAGES 29—44 (TINTED SECTION).

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costs**

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	Leinster Engineering Co. Ltd.	
	Quadrant Engineers	VOKES
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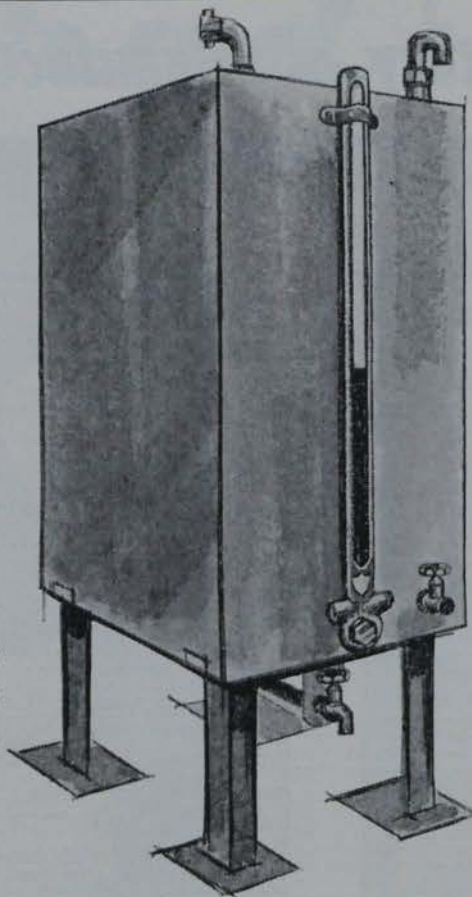
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- ★ **CONSISTENTLY ACCURATE** oil level indication
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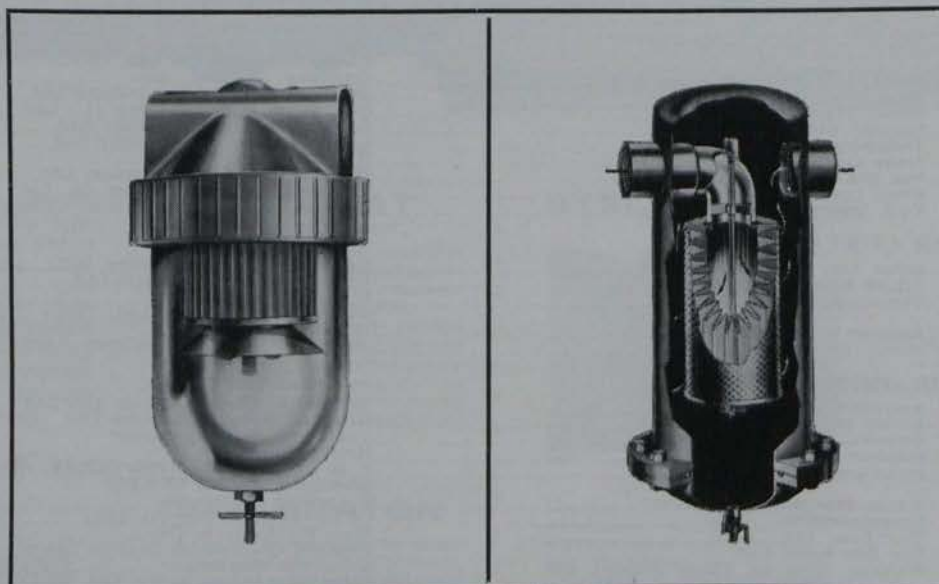
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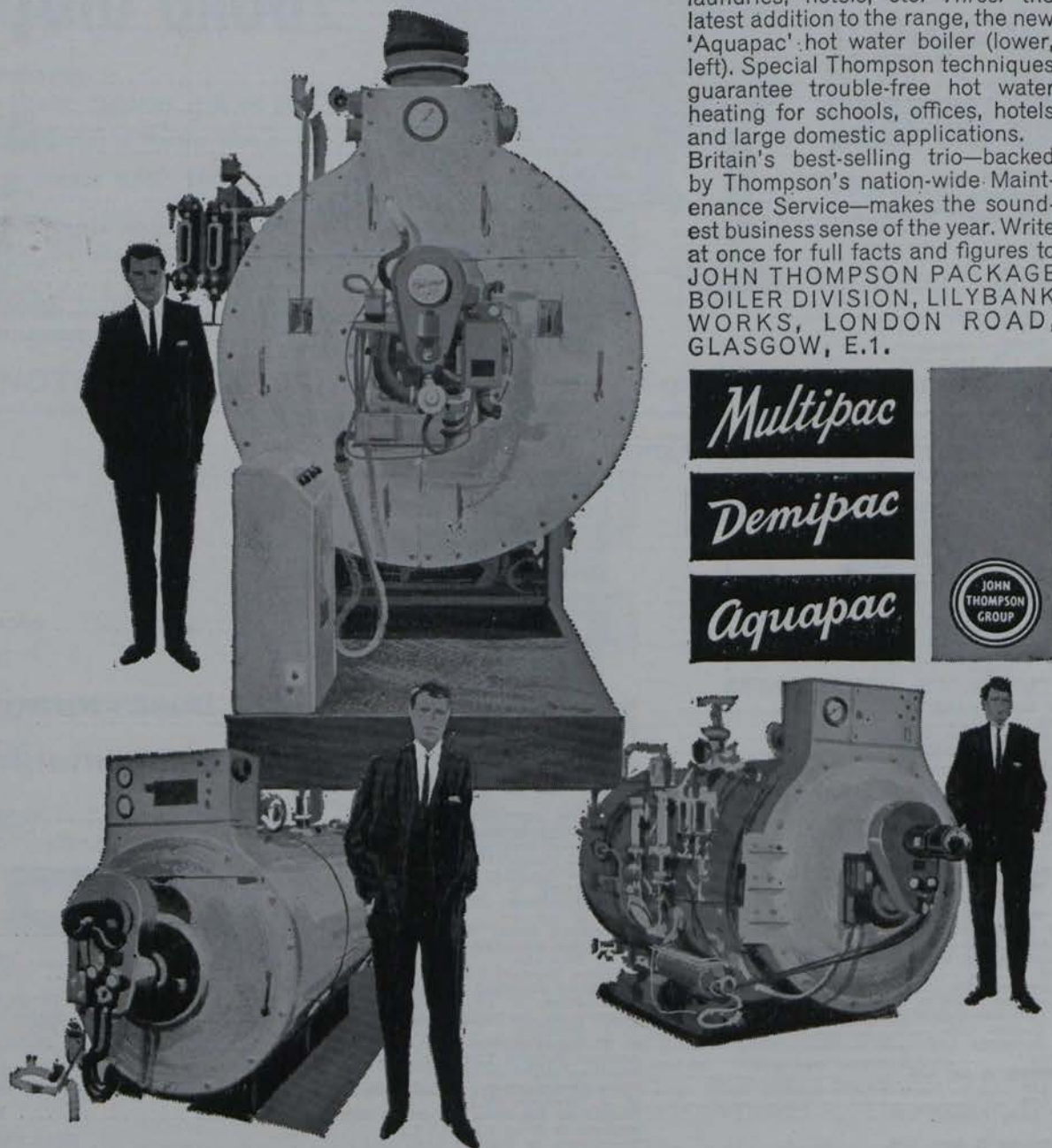
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	John Thompson Ltd. (N.I. Office)	
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Shaw & Son, Basic Materials Ltd.	Halpin & Hayward Ltd.	SHAW
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Copperad Ltd.	British Steam Specialties Ltd.	COPPERAD
Dimplex Ltd.	K. R. Morrow (N.I.)	DIMPLEX
Duncan Low & Co. Ltd.	A. Bell & Co. (Eire) Ltd.	DUNLOW
Ekco Heating & Electrical Ltd.	B. J. Caraher (Distributors) Ltd. (N.I.)	THERMOVENT
Eisey & Gibbons Ltd.	Heating Controls and Devices Ltd.	
Eltron (London) Ltd.	Kelly & Shiel Ltd.	
Elvaco Heating Ltd.	Enquiries supplied direct	ELTRON
Falks Ltd.	Falks Ltd.	ELVACO
General Electric Co. Ltd.	General Electric Co. of Ireland Ltd.	FALKS
Handley Page Ltd.	Mercer Bros.	G.E.C.
Harper, John, & Co. Ltd.	Chas. Warren & Co. Ltd.	HANDLEY PAGE
Heatrae Ltd.	Wm. Finucane & Co.	COMMODORE
Hobourn Domestic Appliances Ltd.	Enquiries supplied direct	HEATRAE
Hurseal Ltd.	Carlile & Co. Ltd.	HOBOURN
H.V.E. (Boilers) Ltd.	H. R. Holfeld Ltd.	HURSEAL
International Boilers & Radiators Ltd.	Monsell, Mitchell & Co. Ltd.	HVE
Lincoln Furnaces Ltd.	Dunwoody & Dobson Ltd.	POWERGLO
Perkins Boilers Ltd.	Oil Fired Homes (I.) Ltd.	LINCOLN
Powell Duffryn Heating Ltd.	Ernest Wilson Ltd. (N.I.)	PERKINS
Santon Ltd.	Bruty Engineering Co. Ltd.	HURSEAL
Simplex Electric Co. Ltd.	Charles Nolan & Co. Ltd.	SANTON
Sterling Domestic Appliances Ltd.	Electro-Diesel (I.) Ltd.	CREDA
Unidare Ltd. (Infra-Red Heaters)	Enquiries supplied direct	
Unidare Ltd. (Storage Heaters)	Irish Technical & Production Co. Ltd.	THERMODARE
Unidare Engineering Ltd.	Enquiries supplied direct	THERMODARE
Valor Co. Ltd., The	The Valor Company Ltd. (Irish Office)	VALOR
Wright Electric Motors (HX) Ltd.	Enquiries supplied direct	SAFEHEAT
ELECTRIC HEATING TAPE		
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Isopad Ltd.	Luke, Martyn & Co. Ltd.	ISOTAPES
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Pullin, R. B., & Co. Ltd.	National Agencies	PULLIN
Simplex Electric Co. Ltd.	Technical Sales Co.	
Square "D" Ltd.	Modern Plant Ltd.	
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	Leinster Engineering Co. Ltd.	VOKES-GENFLEX
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Bahco Ltd.	Technical Sales Co.	BAHCO/BANKETT
Carter Thermal Engineering Ltd.	Wm. Finucane & Co.	GYRA-FLO
Colt Ventilation & Heating Ltd.	F. W. Norman	COLT
Copperad Ltd.	British Steam Specialties Ltd. (Irish Office)	COPPERAD
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Fenton Byrn & Co. Ltd.	Kelly & Shiel Ltd.	FKCO
Gambles (Belfast) Ltd.	W. Finucane & Co.	FENTON BYRN
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Jones & Stevens Ltd.	Enquiries supplied direct	
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London Fan & Motor Co. Ltd.	Technical Sales Co.	MIN-EX
Matthews & Yates Ltd.	Henry R. Ayton Ltd.	TORNADO
Marelli Aerotecnica	Enquiries supplied direct	BREEZA
Musgrave & Co. Ltd.	Heatavent Supply Co.	CYCLONE
Peugeot & Cie	L. J. Keogh	MARELLI
Santry Engineering Co. Ltd.	Enquiries supplied direct	MUSGRAVE
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Thermotank Ltd.	Enquiries supplied direct	NU-AIRE
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Van Den Bosch Ltd.	J. & E. Hall Limited	
Vent-Axia Ltd.	Thermotank Ltd. (Northern Ireland)	
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	Traders Magneto & Dynamo Co. Ltd.	VENT-AXIA
	General Electric Co. of Ireland Ltd.	X-PEL-AIR/AEROFOIL
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Fenton Byrn & Co. Ltd.	Wm. Finucane & Co.	
Greenwood's & Airvac Ventilating Co. Ltd.	McGregor & Manning Ltd. (N.I.)	
Honeywell Controls Ltd.	Technical Sales Co.	
Indola N.V.	Honeywell Controls Ltd. (Irish Office)	HONEYWELL
Keith Blackman Ltd.	Technical Equipment Co. Ltd.	INDOLA
Marelli Aerotecnica	Henry R. Ayton Ltd.	TORNADO
Woods of Colchester Ltd.	L. J. Keogh	MARELLI
White-Rodgers Ltd.	General Electric Co. of Ireland Ltd.	WOODS
	Enquiries supplied direct	WHITE-RODGERS
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Hilti, Schaan, Switzerland	Calumet Trading Co. Ltd.	HILTI
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Andrews-Weatherfoil Ltd.	Tedcastle, McCormick & Co. Ltd.	ANDREW
Bahco Ltd.	Technical Sales Co.	BAHCO
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Harris Engineering Co. Ltd.	Fibreglass Ltd. (Irish Office)	FIBREGLOSS
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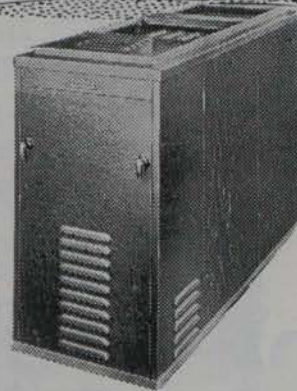
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Martonair Ltd.	Murphy Engineers Ltd.	
Matthews & Yates Ltd.	Heatovent Supply Co.	CYCLONE
Musgrave & Co. Ltd.	Enquiries supplied direct	MUSGRAVE
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Satchwell Control Systems Ltd.	Satchwell Control Systems Ltd. (Irish Office)	SATCHWELL
Sperryn & Co. Ltd.	C. B. Sheridan	SPERRYN
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	Quadrant Engineers	MEYNELL
	C. G. Williamson (N.I.)	SANTON
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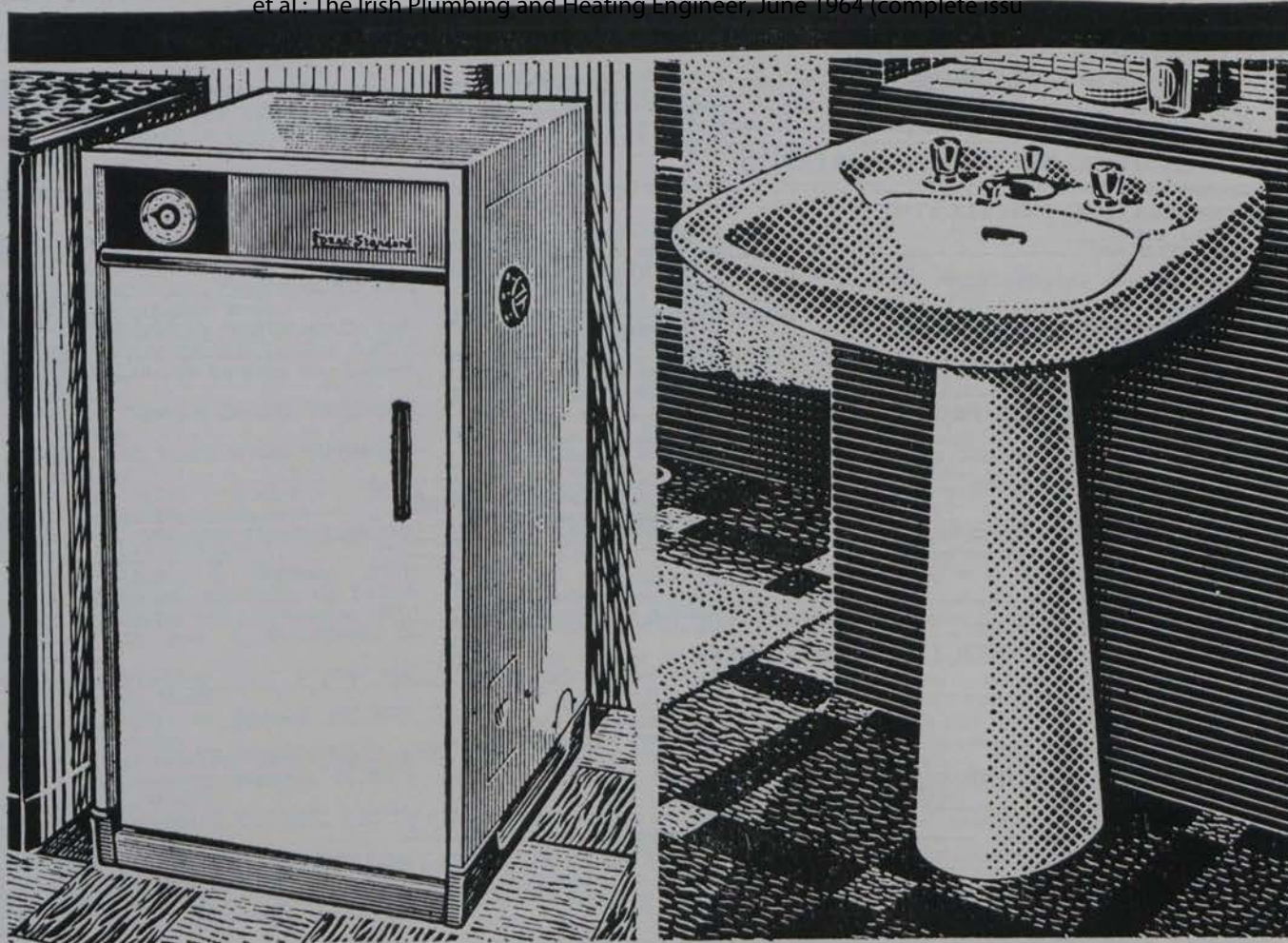
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Falks Ltd.	Calidec Ltd. (N.I. Office)	CALIDEC
H.V.E. (Boilers) Ltd.	Falks Ltd. (Irish Office)	FLORAWARM
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Thermalay Ltd.	Technical Sales Co.	SIMPLEX
Unidare Ltd.	Hughes & Coyle Ltd.	THERMALAY
Unidare Engineering Ltd.	Enquiries supplied direct	THERMODARE
		Enquiries supplied direct	THERMODARE

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F.O.S.S. Laboratories Ltd.	Murphy Engineers Ltd.	F.O.S.S.
Irish Feedwater Specialists Ltd.	Halpin & Hayward Ltd.	
Oil-Age Boiler Co. Ltd.	Danish Stoker & Boiler Co. Ltd.	D.S.V.
Plibrico Co. Ltd., The	Halpin & Hayward Ltd.	PLIBRICO
United Flexible Metallic Tubing Co. Ltd., The	J. J. Doherty Ltd.	PLUFLEX
Uni-Tubes Ltd.	Technical Sales Co.	KOPEX

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Vokes Ltd.	Enquiries supplied direct	MUSGRAVE
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British Rotothem Co. Ltd.	The Rotothem Precision & Instrument Co. Ltd.	ROTOTHERM
British Steam Specialties Ltd.	British Steam Specialties Ltd. (Irish Office)	BOSS
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Eurogauge Company Ltd., The	Elliott Process Automation Ltd. (Irish Office)	
General Electric Co. Ltd.	Enquiries supplied direct	EUROGAUGE
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Elliott Process Automation Ltd.	Elliott Process Automation Ltd. (Irish Office)	
Eurogauge Company Ltd., The	Enquiries supplied direct	EUROGAUGE
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Tylors (Div. of Crane Ltd.)	Tylors of Ireland Ltd.	TYLOR
Walker, Crosweller & Co. Ltd.	Modern Plant Ltd.	

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Eurogauge Company Ltd., The	Enquiries supplied direct	EUROGAUGE
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Alphabetical list of names and addresses of principals, Irish Offices, associate companies, agents, representatives and distributors.

The names of all companies or individuals listed in this index appear also in the categorised directory in this issue. All Irish addresses are shown in bold type.

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A. B. Plastics Ltd., Cray Ave., St. Mary Cray, Orpington, Kent.
 Accurate Recording Instrument Co. Ltd., Windsor Ave., Merton, London, S.W.19.
 Adamsez Ltd., 72 Victoria St., London, S.W.1.
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 Aerialite Ltd., Castle Works, Stalybridge, Cheshire.
 Aerotaps Ltd., Hudson's Drive, Cotteridge, Birmingham 30.
 Afos Ltd., Midmoor House, Kew Rd., Richmond, Surrey.
 Ahern, F.N.S., 46 Wynberg Park, Stradbroke Rd., Blackrock, Co. Dublin.
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 Airnesco Products Ltd., 4 New Rd., Rochester, Kent.
 Airwoods Ltd., 66 Barrack St., Colchester, Essex.
 Aktiebolaget Ankarsum Bruck, Sweden.
 Alex (Engineering) Supplies, 11 Westland Rd., Dublin.
 Albany Engineering Co. Ltd., Lydney, Glos.
 Albright and Wilson Ltd., 1 Knightsbridge Gn., London, S.W.1.
 Albright and Wilson (Ireland) Ltd., Ihex Works, Dun Laoghaire, Co. Dublin.
 Allen Ygnis Boilers Ltd., Princes End, Tipton, Staffs.
 Allied Ironfounders Ltd., 28 Brook St., London, W.1.
 Allday, William and Co. Ltd., Alcosa Works, Stourport-on-Severn, Worc.
 Alley and MacLellan Ltd., Sentinel Valve Works, Worcester.
 Amber Chemical Co. Ltd., 11a Albemarle St., London, W.1.
 Andrews Bros Ltd., Regent St., Liverpool 3.
 Andrews-Weatherfoil Ltd., Powell Duffryn House, 19 Berkeley St., London, W.1.
 Anglo-Nordic Burner Products Ltd., 74 London Rd., Kingston-upon-Thames, Surrey.
 A.R.I.C. (Ireland) Ltd., 6 Montague St., Dublin.
 Arabol Manufacturing Co. Ltd., The Wardrobe Chambers, 146a Queen Victoria St., London, E.C.4.
 Arklow Pottery Ltd., South Quay, Arklow.
 Armitage Excelsior Ltd., Excelsior Works, Cliff Vale, Stoke-on-Trent.
 Armitage Ware Ltd., Armitage, Rugeley, Staffordshire.
 Armstrong Cork Co. Ltd., 24 Fitzwilliam Place, Dublin 2.
 Armstrong Cork Co. Ltd., Armaflex Dept., Kingsbury London N.W.9.
 A.R.O. Machinery Co. Ltd., 19 Castelnau, London, S.W.13.
 Asbestos Cement Ltd., 19 Lr. Pembroke St., Dublin.
 Asbestos Cement (Pipes) Ltd., Athy.
 Ascot Gas Water Heaters Ltd., 225 N. Circular Rd., London, N.W.10.

Ashwell and Nesbitt Ltd., 35.41 Gawn St., Belfast 4.
 Ashwell and Nesbitt Ltd., Barkby Rd., Leicester.
 Associated Metal Works (Glasgow) Ltd., 8 Long Lane, Belfast.
 Associated Metal Works (Glasgow) Ltd., 30 St. Andrew's Square, Glasgow, C.I.
 Associated Metal Works (Glasgow) Ltd., 168 Pearse St., Dublin.
 Aston, T. G. and Co. Ltd., 68-72 East Rd., Dublin.
 Audco Ltd., Newport, Salop.
 Auto-Combustions (Ireland) Ltd., 144 Lr. Baggot St., Dublin.
 Auto-Combustions (London) Ltd., 360 Wandsworth Rd., London, S.W.8.
 Averill, C. R. Ltd., Alyn Mills, Caerwrie, Wrexham, North Wales.
 Ayton, Henry R., Ltd., 20 Harcourt St., Dublin.
 Ayton Ltd., Henry R., 27 Queen St., Belfast 1.

B

Babcock & Wilcox Ltd., Babcock House, 209 Euston Rd., London, N.W.1.
 Bahco Ltd., Bahco Hse., 23 Goswell Rd., London, E.C.1.
 Bailey Meters and Controls Ltd., Purley Way, Croydon, Surrey.
 Bailey, Sir W. H. and Co. Ltd., Albion Works, Patricroft, Manchester.
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 Barber Wilsons and Co. Ltd., Crawley Rd., Westbury Ave., Wood Green, London, N 22.
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 Barlite Co. Ltd., Nenagh, Co. Tipperary.
 Barrett, John, and Sons, 18 Morrison's Island, and 7 South Terrace, Cork.
 Barrhead Engineering Co. Ltd., Irvine Rd., Barrhead, Scotland.
 Barrus, E. P. (Concessionaires) Ltd., 12-16 Brunel Rd., Acton, London, W.3.
 Barwell, James, Ltd., Great Hampton St., Birmingham 18.
 Bastian and Allen Ltd., Ferndale Tce., Harrow, Middlesex.
 Bathtubs Ltd., Addington, Ilkley, Yorks.
 Baxendale and Co. Ltd., 7 Capel St., Dublin.
 Baxendale, Richard and Sons Ltd., Albert St., Foundry, Chorley 25, Lancs.
 Baxi Ltd., Bamber Bridge, Lancs.
 Beaumont, F. E. Ltd., 468/480 Rathgar Rd., London, S.W.9.
 Bech, Neale and Co. Ltd., 72-78 Fleet St., London E.C.4.
 Beeston Boiler Co. Ltd., P.O. Box No. 2, Beeston, Nottingham.
 Belco Manufacturing Co. Ltd., Belco House, Shortlands, London, W 6.
 Bell, A. and Co. (Eire) Ltd., Rear 136 Botanic Rd., Glasnevin, Dublin, 9.
 Bell and Gossett, Inc., U.S.A.
 Bell Bros. Ltd., Denton, nr. Manchester.
 Bells Asbestos and Engineering Ltd., 17-21 Ormeau Rd., Belfast.

Bell's Asbestos and Engineering Ltd., Bestobell Works, Slough, Bucks.
 Bentone Oil Burners Ltd., 102 Chepstow Rd., London W.2.
 Bendz Ltd., Lister St., Birmingham, 7.
 Beresford, James, and Son Ltd., Kitts Green, Birmingham, 33.
 Berger, Lewis and Son (Ireland) Ltd., 134 James' St., Dublin.
 Berger, Lewis and Son Ltd., 35 Berkeley Sq., London W.1.
 Bering Engineering Ltd., Doman Rd., Camberley, Surrey.
 Berry Hill (Engineers) Ltd., Stoke-on-Trent.
 Bibbey, A. H., Ltd., High Wych, Sawbridgeworth, Herts.
 Biddle, F. H., Ltd., 16 Upper Grosvenor St., London, W.1.
 Bigwood, J., and Son Ltd., Wednesfield Rd., Wolverhampton.
 Billnerbolagen, Goteborg, Sweden.
 Bilton, T. B., and Sons (Liverpool) Ltd., 27 Islington, Liverpool, 3.
 Black and Decker Ltd., Harmondsworth, Middlesex.
 Blackrock Engineering Works Ltd., 11 Sweetman's Avenue, Blackrock, Co. Dublin.
 Blair, Joseph Ltd., 5-19 Church Lane, High St., Belfast, 1.
 Blake, John, Ltd., Atlas St., Clayton-le-Moors, Accrington, Lancs.
 Boby, William, Ltd., Rickmansworth, Herts.
 Boge Kompressorenfabrik, P.O. Box 1420, 48 Bielefeld, Western Germany.
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 Bolton Superheater and Pipeworks Ltd., Manchester.
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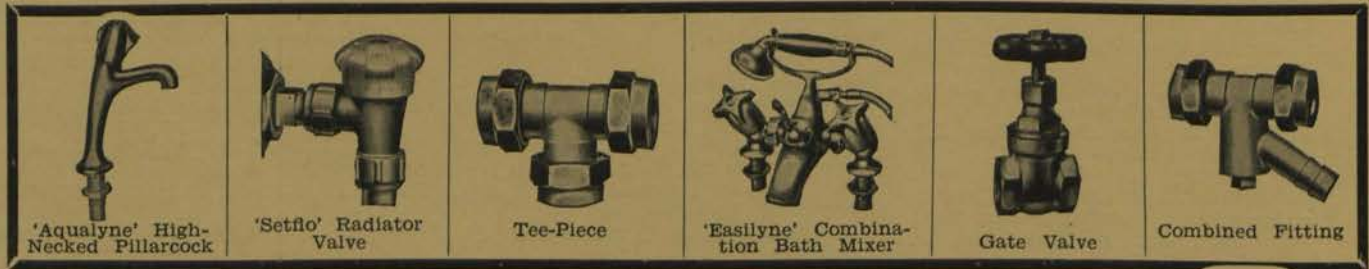
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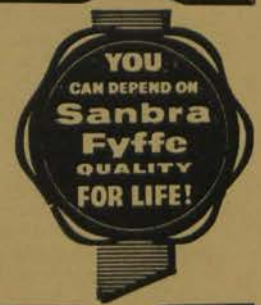
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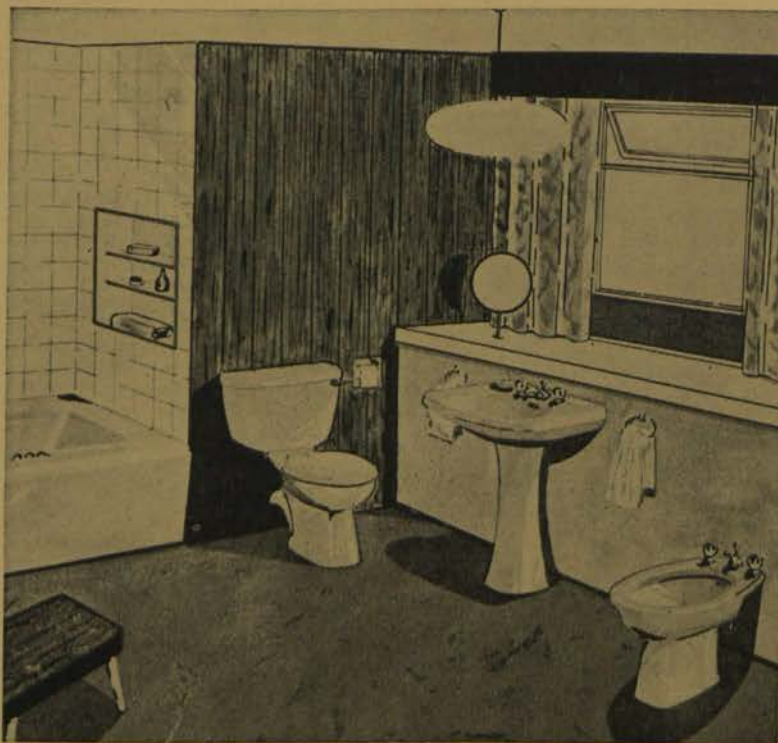
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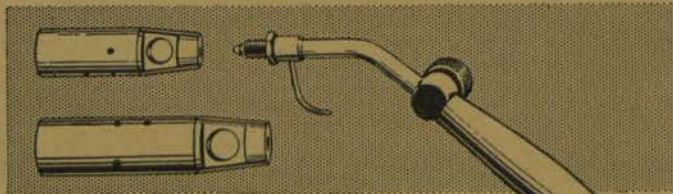
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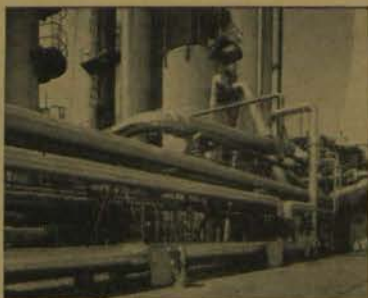
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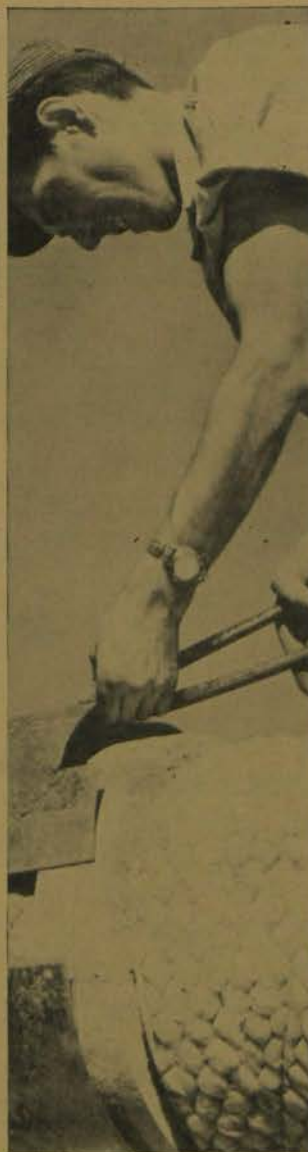
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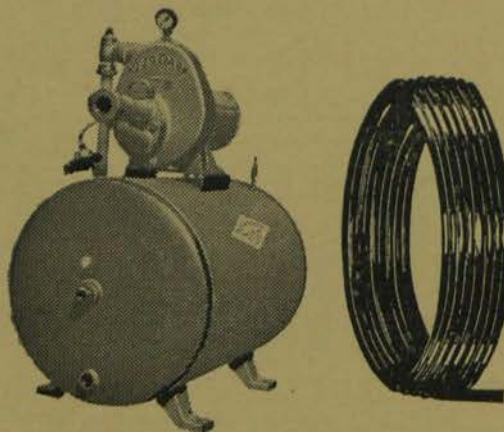
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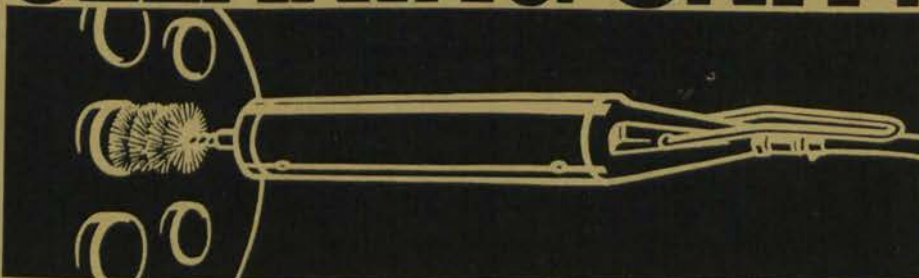
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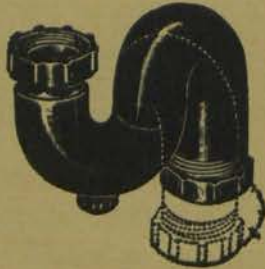
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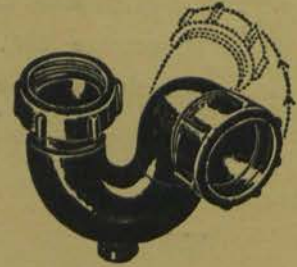
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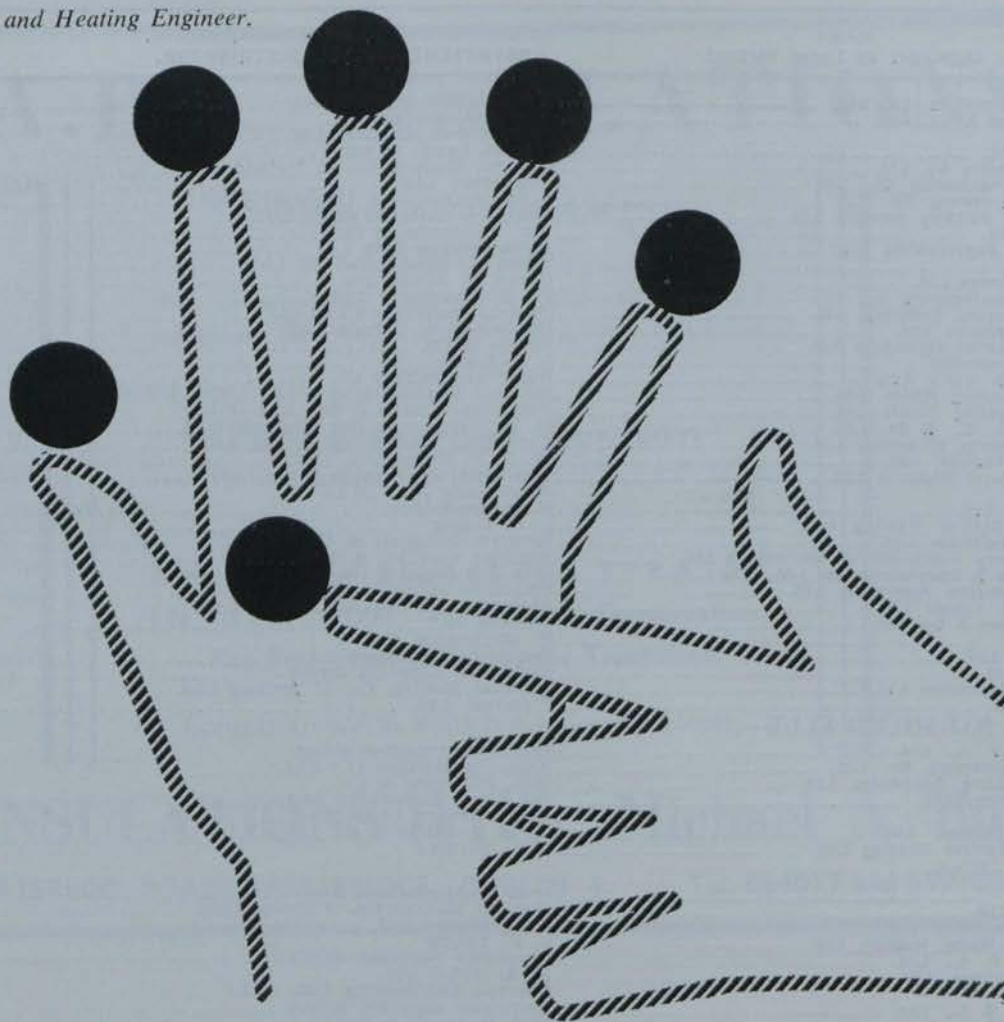
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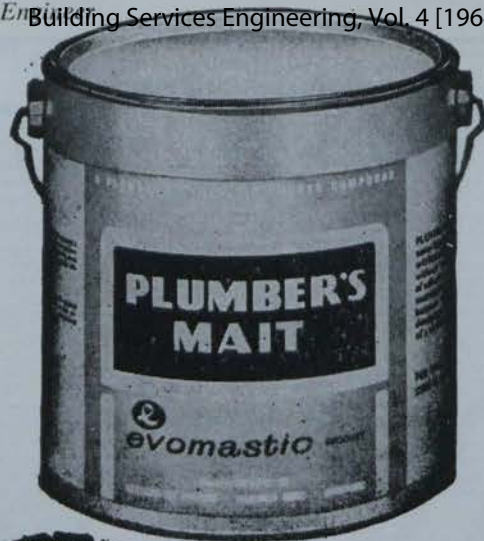
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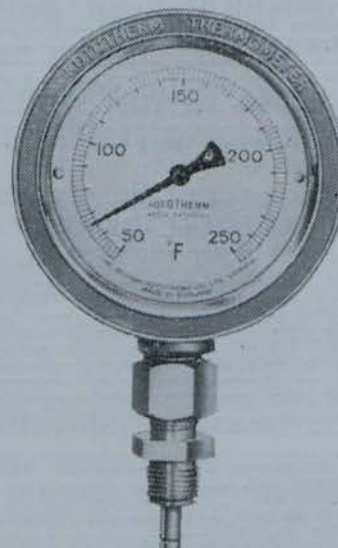
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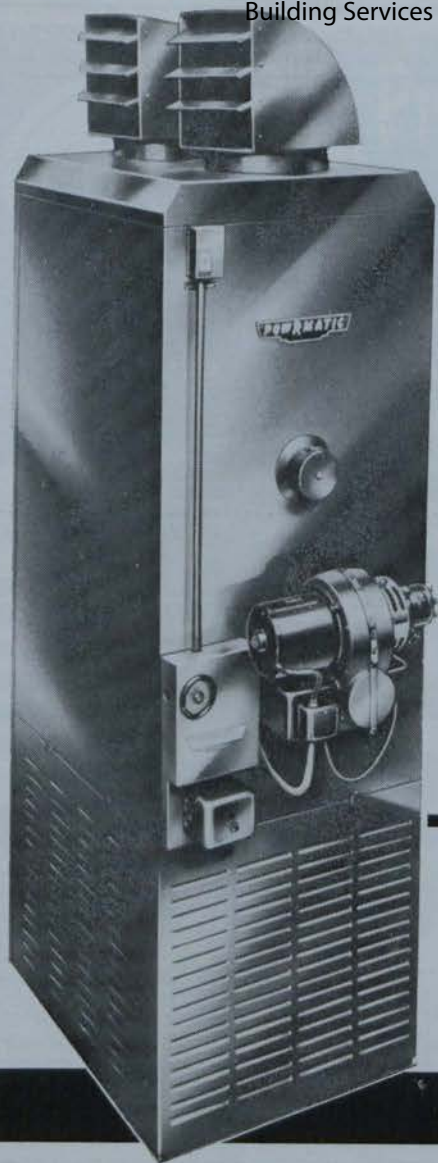
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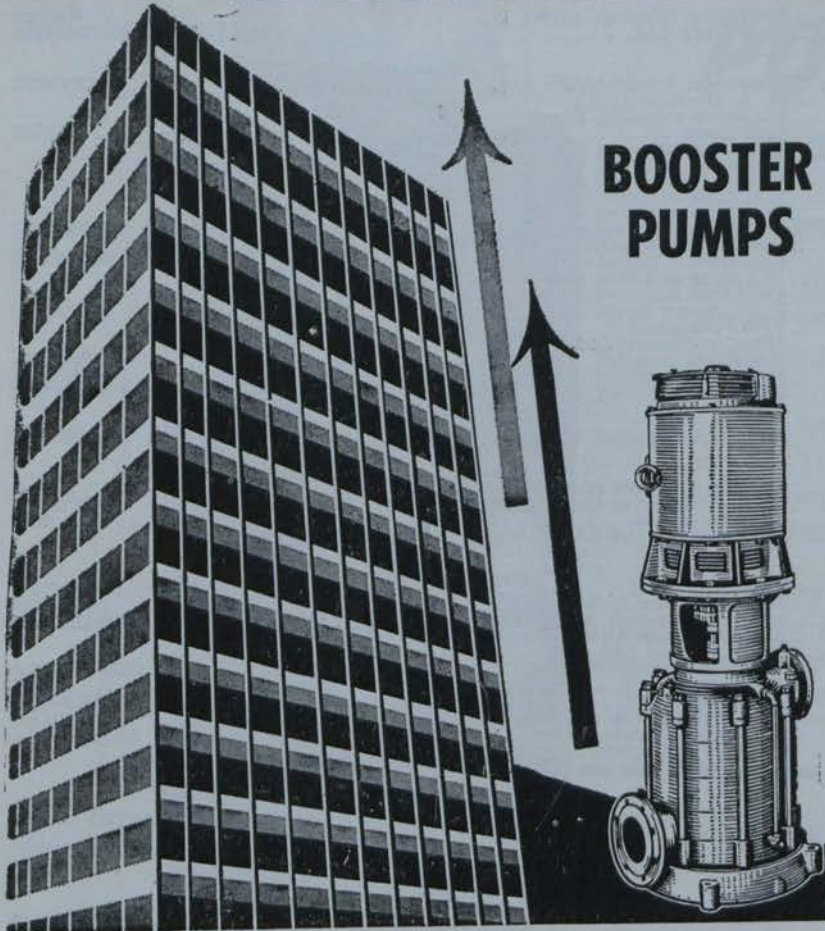
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Campbell & Co. (Roughcastle) Ltd.	J. S. Lister Ltd.	FORTH
Curtis (Onx) Ltd.	Enquiries supplied direct	
Darlington Insulation Co. Ltd.	Goodbody Ltd.	
Kingscliffe Insulating Products Ltd.	Wm. Finucane & Co.	KINGSLIFFE
Morgan Refractories Ltd.	P. J. Casey	MORGAN
Nu-Way Heating Plants Ltd.	Nu-Way Heating Plants Ltd. (Irish Office)	CEMFRACK
Palm, B., & Co.	IrcO Trading Co. Ltd.	
Plibrico Co. Ltd.	Halpin & Hayward Ltd.	PLIBRICO
REFRACTORY LININGS		
Corrosion Ltd.	L. R. Wood Ltd.	FURNASCOTE
Halpin & Hayward Ltd.	Halpin & Hayward Ltd.	PLIBRICO
		Fifty-nine

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Yes, you see he wanted to know if there was a really comprehensive range of drain fittings available on the European market, so naturally I said "JOSAM." "JOSAM," I said, "they've got the lot—floor drains, anti-flooding valves, roof drains, oil and grease interceptors, shock absorbers—the lot. Take a look at this roof outlet," I said, showing him this advert. "The very thing!" he said. "JOSAM, is it?" "JOSAM it is," said I. So off he went to Dockrells to have a look at the rest of the range. Yes, that's right, Dockrells of Georges St. Oh, don't mention it—you're welcome!



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FURTHER INFORMATION SUPPLIED ON REQUEST

NAME (Addresses in Tinted Section).	ASSOCIATE CO., IRISH OFFICE, AGENT, REPRESENTATIVE OR DISTRIBUTOR.	PROPRIETARY NAME OR TRADE MARK.
REFRIGERATION PLANT		
Carlyle Air Conditioning & Refrigeration Ltd.	Walkers Ltd.	CARLYLE
Carter Thermal Engineering Co. Ltd.	Wm. Finucane & Co.	
Chrysler Airtemp Ltd.	Everton Engineering Ltd. (N.I.)	
Chrysler Airtemp Ltd.	H. A. O'Neil Ltd.	CHRYSLER AIRTEMP
Danfoss Ltd.	J. J. Sampson & Son Ltd.	DANFOSS
Dunham-Bush Ltd.	Henry R. Ayton Ltd.	DUNHAM-BUSH
Frigidaire Division of General Motors Ltd.	A. G. Bruty Ltd.	FRIGIDAIRE
Hall, J. & E., Ltd.	J. & E. Hall Ltd. (Irish Office)	
Lec Refrigeration Ltd.	Recold Ltd.	LFC
Lightfoot Refrigeration Co. Ltd.	Lightfoot Refrigeration (Ireland) Ltd.	LIGHTFOOT
Sterne, L., & Co. Ltd.	L. Sterne & Co. (Ireland) Ltd.	STERNE
Stewarts & Lloyds Ltd.	Stewarts & Lloyds of Ireland Ltd.	
Temperature Ltd.	L. Sterne & Co. (I.) Ltd.	
Thompson, John, Ltd.	John Thompson Ltd. (N.I. Office)	
Trane Ltd.	H. McGeough, B.E.	
York Shipley Ltd.	York Shipley Ltd. (Irish Office)	YORK
REGULATORS		
Andrews-Weatherfoil Ltd.	Tedcastle, McCormick & Co. Ltd.	ANDREW
Bailey Meters & Controls Ltd.	J. I. Yates Ltd.	BAILEY
Danfoss Ltd.	J. J. Sampson & Son Ltd.	DANFOSS
Drayton Controls Ltd.	Monsell, Mitchell & Co. Ltd.	DRAYTON
Hattersley (Ormskirk) Ltd.	W. H. Leech & Son	HATTERSLEY
Heating Controls & Devices Ltd.	Heating Controls and Devices Ltd.	
Honeywell Controls Ltd.	Honeywell Controls Ltd. (Irish Office)	HONEYWELL
Ideal-Standard Ltd.	E. J. Cocker	
K.D.G. Instruments Ltd.	Luke, Martyn & Co. Ltd.	K.D.G.
Koswa Ltd.	Hugh C. Maguire	KOSWA I.W.K.
Satchwell Control Systems Ltd.	Satchwell Control Systems Ltd. (Irish Office)	SATCHWELL
Selas Gas & Engineering Co. Ltd.	A. H. Masser Ltd.	SELAS
Spirax-Sarco Ltd.	Brendan M. Mulvey, B.E.	SPIRAX
Thermocontrol Installations Co. Ltd.	Enquiries direct	
Trist, Ronald, & Co. Ltd.	J. I. Yates Ltd.	
Waiker, Crossweller & Co. Ltd.	Modern Plant Ltd.	BUFFALO
ROOFING COPPER AND MATERIALS		
Asbestos Cement Ltd.	Enquiries supplied direct	ASTOLITE
Building Equipment Ltd.	Enquiries supplied direct	TURNERISED ROOFING
Delta Enfield Rolled Metals Ltd.	Norman Stewart Ltd.	
Imperial Metal Industries (Kynoch) Ltd.	I.C.I. (Export) Ltd.	
Marley Tile Co. Ltd.	Concrete Products of Ireland Ltd.	MARLEY
Morlite Ltd.	Enquiries supplied direct	ACRYLO-MORLITE
Nuralite Co. Ltd., The	Thos. Dockrell, Sons & Co. Ltd.	NURALITE
Roofing Contractors Ltd.	Enquiries supplied direct	RUBEROID
Thompson, Thomas, & Son Ltd.	Enquiries supplied direct	LYTEX
ROOF DRAINS, WATERHEADS, GUTTERS AND OUTLETS		
Allied Ironfounders Ltd.	Waterford Ironfounders Ltd.	METREX
Allied Structural Plastics Ltd.	M. A. Graham (N.I.)	
Baxendale & Co. Ltd.	John McNeill Ltd.	ASPECT
Calumet Trading Co. Ltd.	Baxendale & Co. Ltd. (Irish Office)	
Finlock Gutters Ltd.	Enquiries supplied direct	POLYFORT
Gambles (Belfast) Ltd.	Enquiries supplied direct	FINLOCK
Josam Products (U.K.) Ltd.	Thos. Dockrell, Sons & Co. Ltd.	JOSAM
Key Engineering Co. Ltd.	Joseph Blair Ltd. (N.I.)	
Kilkenny Products Ltd.	Norman Macnaughton & Sons (Dublin) Ltd.	KEY
Marley Tile Co. Ltd.	Enquiries supplied direct	K.P.
O'Brien Plastics Ltd.	Concrete Products of Ireland Ltd.	MARLEY
Osma Plastics Ltd.	Enquiries supplied direct	
Temple Tubes Ltd.	V. H. Campbell	OSMA
Turners Asbestos Cement Ltd.	V. H. Campbell	T.T.
Unidare Ltd.	Asbestos Cement Ltd.	EVERITE
Unidare Engineering Ltd.	Enquiries supplied direct	TERRAIN
Universal Fabricators Ltd.	Enquiries supplied direct	TERRAIN
Wavin Pipes Ltd.	Carthorn (1949) Ltd.	UFL
	Enquiries supplied direct	WAVIN
ROOF UNITS (VENTILATION)		
Andrews-Weatherfoil Ltd.	Tedcastle, McCormick & Co. Ltd.	ANDREW
Bahco Ltd.	Technical Sales Company	BAHCO
Carter Thermal Engineering Ltd.	Wm. Finucane & Co.	
Colt Ventilation and Heating Ltd.	F. W. Norman	COLT
Dunham-Bush Ltd.	Henry R. Ayton Ltd.	DUNHAM-BUSH
Greenwood's & Airvac Ventilating Co. Ltd.	Technical Sales Co.	POWERDOME
Fenton Byrn & Co. Ltd.	Wm. Finucane & Co.	FENTON BYRN
	McGregor & Manning (N.I.)	
Heywood-Helliwell Ltd.	W. H. Heywood & Co. (Ireland) Ltd.	TORNADO
Keith Blackman Ltd.	Henry R. Ayton Ltd.	TORNADO
London Fan & Motor Co. Ltd.	Enquiries supplied direct	BREEZA
Marelli Aerotecnica	L. J. Keogh	MARELLI
Morlite Ltd.	Enquiries supplied direct	ACRYLO-MORLITE
Trane Ltd.	H. McGeough, B.E.	TRANE
Woods of Colchester Ltd.	General Electric Co. of Ireland	WOODS
RUST PREVENTIVE AND SOLVENTS		
British Paints Ltd.	British Paints (Ireland) Ltd.	APEXIOR
Parsons, Thos., & Sons, Ltd.	Thos. Parsons & Sons Ltd. (Irish Office)	
RUSTPROOFING		
British Paints Ltd.	British Paints (Ireland) Ltd.	APEXIOR
C. & P. Development Co. (London) Ltd.	C. & P. Development Co. (Ireland) Ltd.	RUST-ANODE
Expandite Ltd.	Expandite (Ireland) Ltd.	METAGALV/GEWI TAPE
Parsons, Thomas, & Sons Ltd.	Thomas Parsons & Sons Ltd. (Irish Office)	
Plus-Gas Co. Ltd., The	J. I. Yates Ltd.	
Winn & Coates Ltd.	Alex (Engineering) Supplies	DENSO
SCALE REMOVER		
Airnesco Products Ltd.	Halpin & Hayward Ltd.	AIRNESCO
Albright & Wilson (Mfg.) Ltd.	Albright & Wilson (Ireland) Ltd.	
C. & P. Development Co. Ltd.	C. & P. Development Co. (Ireland) Ltd.	
SEALING COMPOUNDS		
Evomastics Ltd.	Evode Industries Ltd.	PLUMBERS MAIT
Expandite Ltd.	Expandite (Ireland) Ltd.	SELASTIK
Expandite Ltd.	Expandite (Ireland) Ltd.	SEEL-A-ROUND
Expandite Ltd.	Expandite (Ireland) Ltd.	P.C.41 ASBESTUMEN
Pickup, H. (Scarborough) Ltd.	K. W. Talbot	OXYPIC

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PERKINS BOILERS LTD., PIONEERS OF HEATING FOR 40 YEARS, PRESENT THEIR 1988 BOILER MODELS IN 1964 . . .



Central Heating Boilers built by Perkins are PURPOSE DESIGNED, TOUGH AND RELIABLE—Boilers installed in “the twenties” are still working efficiently to-day, as will be the new range of streamlined Flue-less boilers in 1988.

Perkins Precision Heating Boilers cover every size and type of boiler and burner to suit each individual installation requirement. Available for Oil, Gas or Electric Firing, and ranging in price from £78 upwards.

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Distributors for Republic of Ireland:

Oil Fired Homes (Ireland) Ltd.
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Distributors for Northern Ireland:

The Ulster Heating Centre, 90 Cromac St., Belfast.
Phone 21440.

Technical Representative: W. C. Maginnis, 26 Carnamena Ave., Belfast, 6. Tel. 643095.

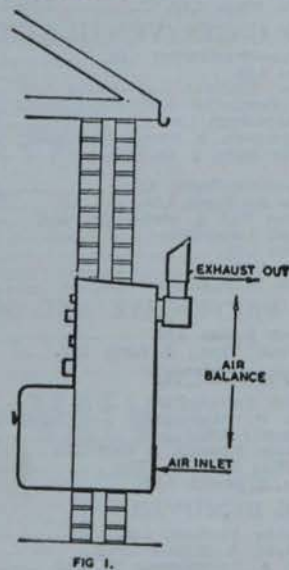


FIG. 1.

NAME (Addresses in Tinted Section).	ASSOCIATE CO., IRISH OFFICE, AGENT, REPRESENTATIVE OR DISTRIBUTOR.	PROPRIETARY NAME OR TRADE MARK.
SEPARATORS, COMPRESSED AIR, STEAM, ETC.		
British Steam Specialties Ltd.	British Steam Specialties Ltd. (Irish Office)	
Dunham-Bush Ltd.	Henry R. Ayton Ltd.	
Lancaster & Tonge Ltd.	Halpin & Hayward Ltd.	LANCASTER
Spirax-Sarco Ltd.	Brendan M. Mulvey, B.E.	SPIRAX
Stewarts & Lloyds Ltd.	Stewarts & Lloyds of Ireland Ltd.	S & L
SERVOMOTORS, PNEUMATIC		
Honeywell Controls Ltd.	Honeywell Controls Ltd. (Irish Office)	HONEYWELL
Satchwell Control Systems Ltd.	Satchwell Control Systems Ltd. (Irish Office)	SATCHWELL
Thermocontrol Installations Co. Ltd.	Enquiries supplied direct	
SEWAGE DISPOSAL		
Albany Engineering Co. Ltd.	G. C. Pillinger & Co. (I.) Ltd.	PASSALL
Farrar, Wm. E. Ltd.	T. & C. Martin Ltd.	
Jones & Attwood Ltd.	D. P. Engert & Co.	
Lancaster & Tonge Ltd.	Halpin & Hayward Ltd.	
Schumacher Filters Ltd.	Halpin & Hayward Ltd.	SCHUMACHER
Tuke & Bell Ltd.	Municipal and General Supply Co.	
Vokes Ltd.	Leinster Engineering Co. Ltd.	REX
SIGHT GLASSES		
British Steam Specialties Ltd.	British Steam Specialties Ltd. (Irish Office)	BOSS
Brooks & Walker Ltd.	Halpin & Hayward Ltd.	
	McNeill (Engineering) Ltd.	
Crane Ltd.	Tylors of Ireland Ltd.	CRANE
Drayton Controls Ltd.	Monsell, Mitchell & Co. Ltd.	DRAYTON
Harlow, Robert, & Son Ltd.	Wm. Finucane & Co.	
Newman, Hender, & Co. Ltd.	Newman Hender & Co. Ltd. (Irish Office)	
Spirax-Sarco Ltd.	Brendan M. Mulvey, B.E.	SPIRAX
Walker Croswell & Co. Ltd.	Modern Plant Ltd.	
SILENCERS		
Bahco Ltd.	Technical Sales Co.	BAHCO
Brooks & Walker Ltd.	Halpin & Hayward Ltd.	
	McNeill (Engineering) Ltd. (N.I.)	
Keith Blackman Ltd.	Henry R. Ayton Ltd.	TORNADO
Trox Brothers Ltd.	Wm. Finucane & Co.	TROX
Vokes Ltd.	Leinster Engineering Co. Ltd., The	VOKES
Woods of Colchester Ltd.	General Electric Co. of Ireland Ltd.	
SKIRTING BOARD HEATING		
Biddle, F. H. Ltd.	Quadrant Engineers	BIDDLE
	S. Stewart (N.I.)	BIDDLE
Copperad Ltd.	British Steam Specialties Ltd. (Irish Office)	COPPERAD
	K. R. Morrow (N.I.)	
Dimplex Ltd.	A. Bell & Co. (Eire) Ltd.	DIMPLEX
	B. J. Caraher (Distributors) Ltd. (N.I.)	DIMPLEX
Dunham-Bush Ltd.	Henry R. Ayton Ltd.	
Edwards Engineering Corp.	Hugh C. Maguire	ZONE-A-MATIC
International Boilers & Radiators Ltd.	Monsell, Mitchell & Co. Ltd.	POWERGLO
Perry Heating Appliances Ltd.	Enquiries supplied direct	
Trane Ltd.	H. McGeough, B.E.	
Warren, Webster & Co. Ltd.	Farrell Engineering Co. Ltd.	WEBSTER
SOOT BLOWERS		
Airnesco Products Ltd.	Halpin & Hayward Ltd.	AIRNESCO
Babcock & Wilcox Ltd.	Enquiries supplied direct	BABCOCK
Clyde Blowers Ltd.	J. I. Yates Ltd.	
STEAM TRAPS		
Alley & MacLellan Ltd.	D. P. Engert & Co.	ALLEY
British Steam Specialties Ltd.	British Steam Specialties Ltd. (Irish Office)	VELAN
Crane Ltd.	Tylors of Ireland Ltd.	CRANE
Clyde Blowers Ltd.	J. I. Yates Ltd.	
Drayton Controls Ltd.	Monsell, Mitchell & Co. Ltd.	DRAYTON/ARMSTRONG
Dunham-Bush Ltd.	Henry R. Ayton Ltd.	DUNHAM-BUSH
Koswa Ltd.	Hugh C. Maguire	KOSWA
Lancaster & Tonge Ltd.	Halpin & Hayward Ltd.	LANCASTER
Midland Industries Ltd.	Small, Sons & Co. Ltd.	MIL
Royles Ltd.	S. McClure, Dublin	ROYLES
	Southern Engineering Co. Ltd., Cork	
Spirax-Sarco Ltd.	Brendan M. Mulvey, B.E.	SPIRAX
Trane Ltd.	H. McGeough, B.E.	TRANE
STOKERS		
Allied Ironfounders Ltd.	Enquiries supplied direct	WATTS
	M. A. Graham (N.I.)	
Ashwell & Nesbit Ltd.	Ashwell & Nesbit Ltd. (N.I. Office)	IRON FIREMAN
Beeston Boiler Co. Ltd.	D. H. Sullivan	BESTON
Clyde Fuel Systems Ltd.	Clyde Fuel Systems Ltd. (Irish Office)	CLYDE
Curwen & Newbury	Wm. Finucane & Co.	UNICORN
Danks Ed. & Co (Oldbury) Ltd.	H. R. Holfeld Ltd.	
Dano Ingeniørforretning Og Maskinfabrik	Patton Engineering Enterprises	DANO
Hartley & Sugden Ltd.	McGrath & Kenny	
Nu-Way Heating Plants Ltd.	Nu-Way Heating Plants Ltd. (Irish Office)	NU-WAY
Nu-Way Heating Plants Ltd.	Peter Macfarlane & Son Ltd.	
Hodgkinson, James (Salford) Ltd.	Enquiries supplied direct	HODGKINSON
Riley (I.C.) Products Ltd.	Henry R. Ayton Ltd.	RILEY
Thompson, John, Ltd.	John Thompson Ltd. (N.I. Office)	
STRAINERS		
British Steam Specialties Ltd.	British Steam Specialties Ltd. (Irish Office)	
Brooks & Walker Ltd.	Halpin & Hayward Ltd.	
	McNeill (Engineering) Ltd.	
Crane Ltd.	Tylors of Ireland Ltd.	CRANE
Danfoss Ltd.	J. J. Sampson & Son Ltd.	DANFOSS
Drayton Controls Ltd.	Monsell, Mitchell & Co. Ltd.	DRAYTON
Heating Controls & Devices Ltd.	Enquiries supplied direct	
Koswa Ltd.	Hugh C. Maguire	KOSWA
Lancaster & Tonge Ltd.	Halpin & Hayward Ltd.	
Richardsons, Westgarth, & Co. Ltd.	Hamilton (Engineering) Ltd.	RWG
	J. Hamilton & Co. Ltd. (N.I.)	RWG
Spirax-Sarco Ltd.	Brendan M. Mulvey, B.E.	SPIRAX
Trant Valve Co. Ltd., The	Halpin & Hayward Ltd.	TRENT
Tylors (Div. of Crane Ltd.)	Tylors of Ireland Ltd.	TYLOR
Vokes Ltd.	Leinster Engineering Co. Ltd., The	VOKES
Walker Croswell & Co. Ltd.	Modern Plant Ltd.	
Winn, Charles, & Co. Ltd.	J. S. Lister Ltd.	WINN

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Temp-0 Type W. It's the most advanced oilburner for firing sectional boilers, and actually gives up to 10% saving in fuel costs. The stainless steel flame funnel achieves a constant and non-variable flame unaffected by draughts. This reduces refractory bricking and gives a higher heat transfer—which means greater efficiency at less cost. For further details write to:



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STEEL TUBES for Steam, Water, Gas, Air, Oil; all bores, including large diameters.

TUBE FITTINGS: Malleable and Wrought Iron qualities. Black and Galvd. finishes. Screwed and welded.

VALVES: Globe, Gate, Check, Reducing, Mixing, Radiator, Cocks in Bronze and Cast Iron, etc. Also SAUNDERS Diaphragm Valves.

FOOT VALVES and Strainers in Cast Iron and Bronze.

PLASTIC TUBES: Polythene and Rigid P.V.C. and Fittings.

STEAM & WATER BOILERS for Industrial purposes, process steam, central heating.

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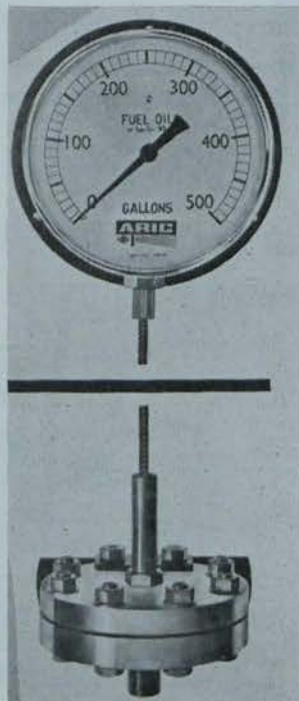
BENDING MACHINES: REFIX Hydraulic Pipe Bending Machines up to 3" capacity, and hand-operated up to 1½" capacity.

SCREWING TACKLE: VIRAX Ratchet Stocks and Dies. Screwing Machines, hand-operated and motorised.

ALL ENQUIRIES INVITED.

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TANKS AND CYLINDERS		
Andrews-Weatherfoil Ltd.	Tedcastle, McCormick & Co. Ltd.	ANDREW
Asbestos Cement Ltd.	Enquiries supplied direct	ASBESTOS
Auto-Combustion Ltd.	Auto-Combustions (Ireland) Ltd.	ACL
Beeston Boiler Co. Ltd.	D. H. Sullivan	BEESTON
Blackrock Engineering Co. Ltd.	Enquiries supplied direct	
British Steam Specialties Ltd.	British Steam Specialties Ltd. (Irish Office)	
Butterfield, W. P. (Engineers) Ltd.	Munster Simms & Co. Ltd. (Dublin & Belfast)	BUTTERFIELD
Coppercraft Metal Works	Enquiries supplied direct	
Danks of Netherton Ltd.	Luke, Martyn & Co. Ltd.	DANKS
Denhu Ltd.	Enquiries supplied direct	
Drumconra Welding Works	Enquiries supplied direct	
Griffin Bros.	Enquiries supplied direct	
Hammond Lane Industries Ltd.	Enquiries supplied direct	
Hartley & Sugden Ltd.	McGrath & Kenny	
Ideal-Standard Ltd.	E. J. Cocker	
Irish Tank & Pipe Line Co.	Enquiries supplied direct	
Mather & Platt Ltd.	Mather & Platt Ltd. (N.I.)	MATHER & PLATT
Osma Plastics Ltd.	V. H. Campbell	OSMA
Thompson Bros. (Bilston) Ltd.	John Thompson Ltd. (N.I. Office)	
Universal Fabricators Ltd.	Carthorn (1949) Ltd.	UFL
Universal Fabricators Ltd.	W. D. Craig & Co. (Northern Ireland)	
TAPS, MIXERS AND SHOWER UNITS		
Aerotaps Ltd.	Enquiries supplied direct	AEROTAPS
Adamez Ltd.	Enquiries supplied direct	ADAMEZ
Armitage Ware Ltd.	F. N. S. Ahern	NUASTYLE
Barber Wilsons & Co. Ltd.	S. M. Jones	BARWIL
Barking Brassware Co. Ltd.	S. H. Ferns	BBC
Barwell, James, Ltd.	Kenneth Lee	FIDDIAN/AMBASSADOR
Belco Manufacturing Co. Ltd.	E. G. Mullane	BELCO
Bourner, F. H., Co. Ltd.	George A. Reid	SUPATAPS/SPA
B.S.A. Harford Pumps Ltd.	Enquiries supplied direct	AQUAMIX/MIXFORD
Cox Engineering Co. Ltd.	Halpin & Hayward Ltd.	COX
Folkard, J. S. & F. Ltd.	A. H. Masser Ltd.	VULTEX
Grohe, Friedrich, GmbH	Enquiries supplied direct	GROHE
Grohe Thermostat GmbH	Enquiries supplied direct	GROHE THERMOSTAT
Gummers Ltd.	Irish Development Supply Co.	
Gummers Ltd.	M. A. Graham (N.I.)	GUMMERS
Ideal-Standard Ltd.	E. J. Cocker	IDEAL
International Boilers & Radiators Ltd.	Monsell, Mitchell & Co. Ltd.	SIGMIX
Leisure Kitchen Equipment Ltd.	R. T. Large & Son	LEISURE
Meynell & Sons Ltd.	Quadrant Engineers	MEYNELMIX
Miraflo Ltd.	C. G. Williamson (N.I.)	MIRA
Newman Hender & Co. Ltd.	Modern Plant Ltd.	
Ocriet France S.A.	C. H. Lockhart Ltd.	
Peglers Ltd.	Calumet Trading Co. Ltd.	FERROSTA
Rennert & Co., GmbH.	Enquiries supplied direct	PEGLERS
Sanbra Ltd.	G. F. Morley Ltd.	BC/TEMPERFIX
Shanks & Co. Ltd.	Sanbra Fyffe Ltd.	CONEX/AQUALYNE/EASILYNE
Sperryn & Co. Ltd.	C. H. Lockhart Ltd.	SHANKS
Walker, Croswell & Co. Ltd.	C. B. Sheridan	SPERRYN
Winn, Charles, & Co. Ltd.	Modern Plant Ltd.	LEONARD/UNATAP
	J. S. Lister Ltd.	WINN
TELEMETERING		
Elliott Process Automation Ltd.	Elliott Process Automation Ltd. (Irish Office)	
K.D.G. Instruments Ltd.	Luke, Martyn & Co. Ltd.	K.D.G.
Thermocontrol Installations Co. Ltd.	Enquiries supplied direct	
Walker, Croswell, & Co. Ltd.	Modern Plant Ltd.	
THERMOMETERS, TEMPERATURE INDICATORS, ETC.		
Accurate Recording Instrument Co. Ltd.	Accurate Recording Instrument Co. (Ireland) Ltd.	ARIC
British Rototherm Co. Ltd.	Rototherm Precision & Instrument Co. Ltd.	ROTOTHERM
British Steam Specialties Ltd.	British Steam Specialties Ltd. (Irish Office)	BOSS/VISOTHERM
Drayton Controls Ltd.	Monsell, Mitchell & Co. Ltd.	DRAYTON
Elliott Process Automation Ltd.	Elliott Process Automation Ltd. (Irish Office)	
Hartmann & Braun, A.G.	H. R. Holfeld	H & B
Honeywell Controls Ltd.	Honeywell Controls Ltd. (Irish Office)	HONEYWELL
K.D.G. Instruments Ltd.	Luke, Martyn & Co. Ltd.	K.D.G.
Kent, George, Ltd.	S. W. Carty & Son	KENT
	D. D. Butler (N.I.)	
Kosmos Armaturen-Und Apparatebau Franz Baumeister KG.	Manotherm Ltd.	KOSMOS
Koswa Ltd.	Hugh C. Maguire	KOSWA
Manotherm (E.N.F.M.)	Manotherm Ltd.	MANOTHERM
Odin Clorius	Modern Plant Ltd.	CLORIUS
Rueger Lausanne	Manotherm Ltd.	
Satchwell Control Systems Ltd.	Satchwell Control Systems Ltd. (Irish Office)	SATCHWELL
Shandon Scientific Co. Ltd.	H. R. Holfeld Ltd.	
Sperryn & Co. Ltd.	C. B. Sheridan	SPERRYN
Thermocontrol Installations Co. Ltd.	Enquiries supplied direct	ZONE-A-TROL
Walker Croswell & Co. Ltd.	Modern Plant Ltd.	
THERMOSTATIC CONTROLS		
Accurate Recording Instrument Co. Ltd.	Accurate Recording Inst. Co. (I.) Ltd.	ARIC
Danfoss Ltd.	J. J. Sampson & Son Ltd.	DANFOSS
Drayton Controls Ltd.	Monsell, Mitchell & Co. Ltd.	DRAYTON
Hartmann & Braun	H. R. Holfeld Ltd.	
Honeywell Controls Ltd.	Honeywell Controls Ltd. (Irish Office)	HONEYWELL
K.D.G. Instruments Ltd.	Luke, Martyn & Co. Ltd.	K.D.G.
Koswa Ltd.	Hugh C. Maguire	KOSWA
Penn Controls Nederland	Manotherm Ltd.	PENN
Pullin, R. B., & Co. Ltd.	National Agencies	PULLIN
Satchwell Control Systems Ltd.	Satchwell Control Systems Ltd. (Irish Office)	SATCHWELL
Sperryn & Co. Ltd.	C. B. Sheridan	SPERRYN
Spirax-Sarco Ltd.	Brendan M. Mulvey, B.E.	SPIRAX
Steel Radiators Ltd.	Kenneth Lee	STELOSTAT
	McGregor & Manning Ltd. (N.I.)	
Teddington Industrial Equipment Ltd.	Enquiries supplied direct	TEDDINGTON
Thermocontrol Installations Co. Ltd.	Enquiries supplied direct	ZONE-A-TROL
Thompson, John, Ltd.	John Thompson Ltd. (N.I. Office)	
Trist, Ronald, & Co. Ltd.	J. I. Yates Ltd.	TRIST-SAUTER
White-Rodgers Ltd.	Enquiries supplied direct	WHITE-RODGERS
TIME SWITCHES		
Accurate Recording Instrument Co. Ltd.	ARIC (Ireland) Ltd.	ARIC
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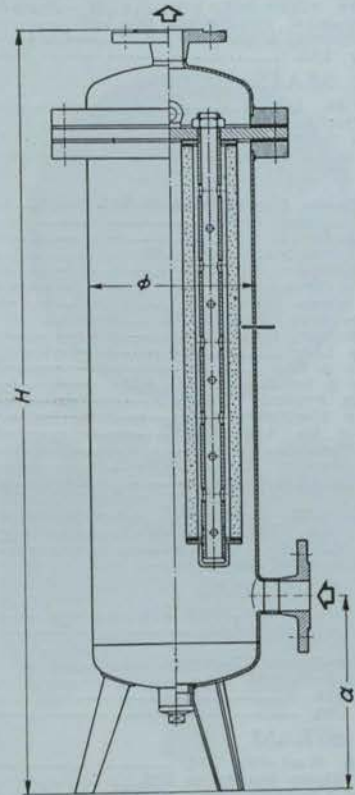
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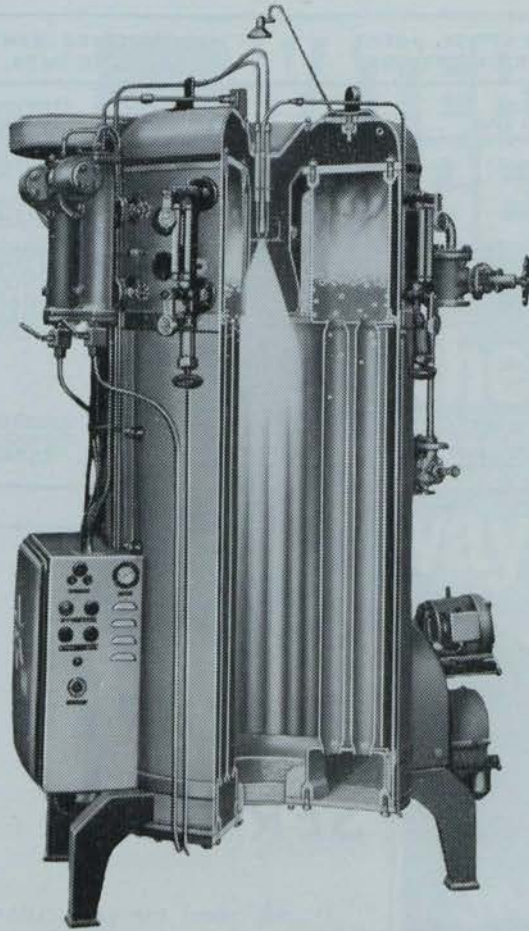


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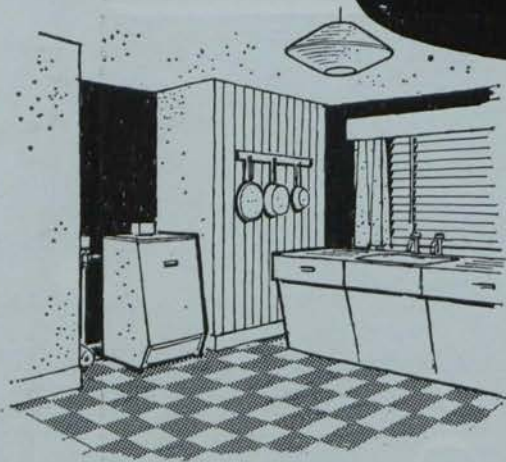


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