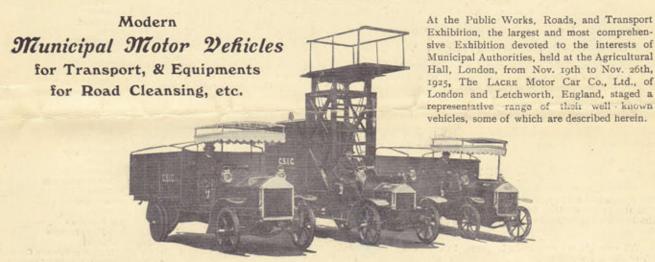


A group of "Lacre" Model "O" Chassis, built to the order of an Overseas Government, ready for official inspection. "Lacre" Works in the background-



Tipping Wagon.

CHASSIS-Famous Lacre Model "O," H.P. 30.

CAPACITY. - Gross, 3 tons on frame. Nett load 2 to 21 tons. Speeds forward 1 rev. Top speed forward approx. 16 m.p.h. WHEEL BASE .- Io ft. 6 in., or to suit length of body required. Tyres-Solid rubber band type. Single front and twin rear. Alternative. - Air cushion or pneumatic tyres to order.

TIPPING GEAR-LACRE Gravity Type.

Special Features. — Very small number of working or wearing parts. Remarkably low cost of maintenance. No engine power required. The Tipping Gear arrangement is such that the load can be tipped and body recovered within 30 seconds. This compares most favourably with hydraulic or other power tipping gears as to time saving, and by the use of this Gravity Type Gear, the initial cost of power gear, the attendant complications and cost of maintenance is eliminated. For instance, the cost for petrol used by the engine alone, in power operated gears, amounts to a considerable item annually.

BODY-

Standard Body is 8ft. Sin. in length, 5ft. Sin. in width, with sides 1ft. Sin. deep (these dimensions can be varied within certain limits to meet special requirements). The sides and tailboard are hinged and detachable. The tailboard is provided with a unique type of pin and socket fitment with locking gear, so that the tailboard can swing either from top or bottom Floor of body is lined sheet-steel.

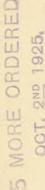
Extension boards about roin deep are provided to attach to the main sides and end, for use when the vehicle is employed in the collection of light material such as house refuse.

Alternative.-All Steel Bodies can also be supplied if desired.

TIPPING WAGONS can also be supplied for 30 cwt., 3 ton, 4 ton, and 5 ton loads, but, for general municipal transport, it is considered that the most useful all-round vehicle is one of 2 to 2½ ton capacity, which has the advantage of reasonable initial price and low operating costs.

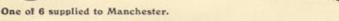


Lacre Tipping Wagons in the service of the Cleansing Dept., Stockport Corporation.





ALL BRITISH Road - Sweeping Machines.





One of 5 supplied to Leeds.

SOME MORE USERS :-

Lacre "L" Type Sweeper.

H.P. 12. 4-Cylinder. Water Cooled Engine. Three Road Wheels only, single Driving Wheel at Rear,

GEAR Box .- Provides two speeds forward and one reverse.

FINAL DRIVE .- By roller chain to rear wheel.

BRUSH is mounted in semi-circular brush guard, the brush being in six sections, each 15 in. in length, the stocks being square bored to slide on a steel shaft. The brush is rotated by a shaft driven from gear box to sprocket and chain drive enclosed in steel casing, the forward or driven sprocket in the casing rotating the brush shaft.

FRONT WHEELS fitted with single solid rubber tyres, rear wheel being fitted with twin ditto.

Spraying Gear .- 100 gallon water tank is provided with spraying gear in front of chassis, water being led from tank to spraying heads through the medium of a gear driven pump.

SPECIAL FEATURES.

Suspension of brush provides an exceptionally clean and wide sweep, and the position of the driver behind the brush enables him to view the operations of the brush and avoid excessive overlapping of previous

All controls are conveniently grouped within easy reach of the driver.

Special provision for (a) easy removal of worn brushes and replacement by new ones, and (b) removal of the entire brush unit.

Osar Small Capital outlay, low operating costs, ease of control, robust, yet compact in design.

Licence-£12 0 0 per annum.



A Clean Sweep with the Lacre.

EXAMPLES OF RUNNING COSTS:-

EXCERPTS FROM Official Reports.

Stockton on-Tees.—Three horsed Sweepers cost per quarter £125 3 o—Mileage of streets swept per week 29.6 miles. Cost per mile swept 6/6.

One Lacre Sweeper—total cost per quarter £100 10 6. Mileage of streets swept per week 74.4 miles. Cost per mile swept 2/1

Manchester.—Each Motor Sweeper saves £426 per annum,

Wallsend.—Lacre Motor Sweeping Machines cost 1/23 per brush mile.

Middlesbrough.-The LACRE is costing 3d. per 1000 square yards of road swept, or 4/5 per mile of road, against 8/- per mile swept by horsed brooms.

Birmingham Belfast Manchester Bradford Bergen Liverpool Derby Edinburgh Hackney Tottenham Airdrie Middlesbrough Stockton-on-Tees Blyth Yarmouth -Bath Falkirk Tokio Bermondsey Holborn Wandsworth West Bromwich Paisley Dewsbury Batley St. Pancras St. Marylebone Chiswick Middlesex County Council Lanark County Council Gateshead Alloa Motherwell Burnley Scarborough Rotherham Dunfermline Lambeth Renfrew C.C. Plymouth Rochdale Bolton Ashton-under-Lyne

SUPREMACY.

etc., etc.

There are MORE Lacre Sweepers in service in Great Britain than all other makes put together, this supremacy having been achieved owing to the remarkable economy and efficiency of Lacres.

Compare RUNNING Costs.



Lacre Sweepers supplied to the Corporation of Glasgow.

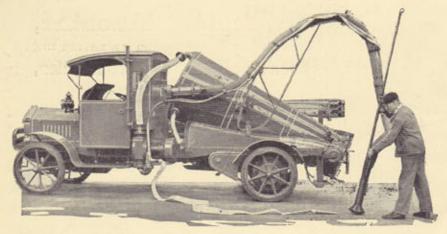


Illustration of Equipment as recently shipped to Oslo. Stockholm, Bergen, etc.

"Lacre" Gully Cleanser.

CHASSIS.

LACRE 30 H.P. Model "O."

Wheel Base 12 ft. Road Wheels fitted with solid rubber band tyres, single front and twin rear.

EQUIPMENT.

TANK.—The tank is of special design, being conical in form. Capacity approximately 400 gallons. This tank is mounted on the chassis at a considerable angle, enabling the contents to be readily evacuated. The shape of the tank is such that when the rear door is opened the water remaining in the tank exerts pressure on the solids in the process of evacuation of tank contents.

Pump & Hose.—A positive action pump, capable of pumping air or water, is attached to the main frame on the near side. The uptake pipe is of large diameter and is provided with quick-action valve, where it enters the tank. The pump is arranged with a 3-way valve so that the vehicle can be employed (I) on the closed circuit system. (2) on ordinary vacuum system, (3) semi-liquid contents can be expelled from tank under pressure.

COACHWORK.—Cab with side doors, equipped with roll-up side curtains, windscreen on dash and weather-screen on roof, upholstered seat, wings, running boards and all necessary fittings complete.

FINISH.—Chassis, bodywork and tank, etc., painted in colour to order.

Accessories.—2 oil side lamps, I oil tail lamp, and I horn, and kit of tools.

METHOD OF OPERATION.

On Closed Circuit System.—The tank is filled with tresh water before operations are commenced. The hose dredging head is lowered into the gully, the water in which seals both the intake and exhaust from the pump. The pump is then put in motion, forcing a stream of water at high pressure through the dredging head, breaking up the sediment at the base of the gully, which is then sucked up the large bore uptake pipe and transferred to the tank. It is only necessary to move the dredging head round the base of the gully until all the refuse matter has been removed. The sediment or other solid matter that has been transferred to the tank is replaced by an equivalent of water in one operation, so that the level of water in the gully remains, if desired, the same after cleaning as before.

LACRES are and always have been ALL BRITISH . . .

Combination . . . Gully Emptier and Cesspit Emptying . Equipment . .

arranged to operate on

LACRE C. C. SYSTEM

or ordinary Vacuum System, and,

as required,

expulsion of contents under pressure.

SCME OF THE ADVANTAGES of the "LACRE"

CLOSED CIRCUIT SYSTEM.

A smaller tank and power unit is required as compared with ordinary vacuum gully emptiers. It is not necessary to stir gully contents before commencing operations.

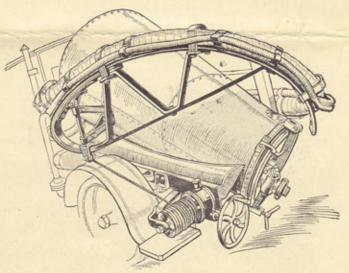
No noxious gases are pumped into the atmosphere.

No auxiliary water tank is required to follow the gully emptier to seal the gully traps, as is the case with ordinary vacuum gully emptiers.

No repeated emptying and flushing of gully is necessary as with other systems.

The equipment can be supplied with attachment for cesspit emptying, and pressure expulsion of tank contents, or with spraying gear for converting into a road sprayer, or flusher.

Exceptionally difficult gullies which are choked with 4 ft. or 5 ft. of sand or refuse can be readily and quickly cleaned and left water sealed.



NOTE.—Large rear end Door, with quick release action, Cock and Hose Coupling, unique Hose Carrier, with Cable and Drum lifting arrangement.



The London General Omnibus Co., Ltd., employ 16 LAGRE

Sweeping Machine,

SPECIALLY DESIGNED FOR OPERATING IN

Garages, Works, Docks,

or other congested areas.

In principle, this sweeping machine follows the lines of the famous LACRE "L" Type Sweeper, but with reduced dimensions to meet peculiar working conditions in restricted areas.

H.P. 9. 2 speeds forward, 1 reverse.

Single rear wheel with roller chain drive thereto from gear box.

Tyres, rubber band, single front, twin rear. Dia, 27 in. section 3½ in.

Sweeping width 4 ft. 10 in.

Special provision for rapid removal of brushes.

Brush adjustment for pressure by drum and cable.

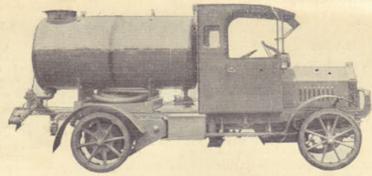
All controls grouped in front of driver.

Open seat to provide clear view for driver.

The LACRE Motor Company manufactures all types of Municipal Motor Vehicles, such as Tower Wagons, Police Patrol and Ambulance Cars, Prison Vans, Road Watering Tank Wagons, etc., etc.

Their unique experience enables them to put forward designs of Equipments to meet unusual conditions, and enquiries are invited.

Also manufacturers of all types of Commercial Motor Vehicles 1½ tons to 6 tons, and Public Service Vehicles.



One of a Fleet
of LACRE
Gonvertible
Tipping Wagons
and
Water Vans
supplied to
the
East African
Protectorate.

The Lacre Motor Car Co., Ltd.,

Head Offices: 78, YORK RD., KING'S CROSS, LONDON, N.1

DISTRICT BAILANDS

'LACRE' 3-LIFT TOWER WAGON.

Over-all height with tower lowered only 9 ft. 6 in.

'Phone: NORTH 2708 Telegrams: UNBAFFLED, LONDON.
Established in 1902.

"LACRE" Trade Mark is an abbreviation of the Company's original title:—"The Long Acre Motor Car Co., Ltd."

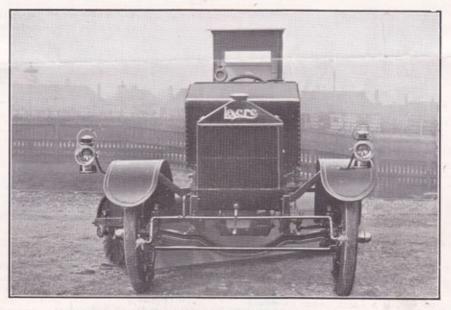
Works: LETCHWORTH, HERTS, ENGLAND.

MANAGING DIRECTOR :- CLAUDE BROWNE.



Easily operated. Rapid in action.

No engine power required to operate Tipping Mechanism.



There are more LACRE SWEEPING MACHINES in service in Great Britain than all other makes put together

ALL WAYS.

MANCHESTER.



LACRE

Established 1902.

LACRE MOTOR CAR CO., LTD.,
HEAD OFFICE;
78, YORK ROAD,
KING'S CROSS,
LONDON, N. 1.

WORKS, LETCHWORTH, HERTS, ENGLAND.

Telegrams: Unbaffled, London.



MIDDLESEX COUNTY COUNCIL



токуо.

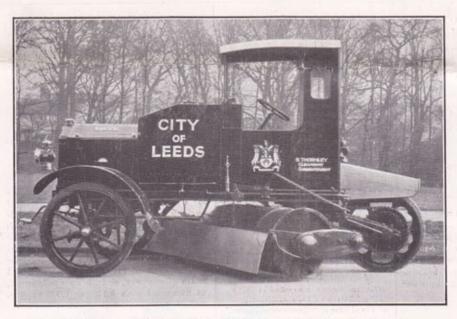


and always have been



Some LACRE SWEEPERS owned by the CITY OF BELFAST.





LACRES are and always have been All British all ways.



LACRE - Pioneers of the Municipal Motor Vehicle.



MERSEY DOCK & HARBOUR BOARD



DERBY.



Some LACRE SWEEPERS supplied to the CITY OF BRADFORD.

ALL BRITISH-

BERGEN.



LACRE

Established 1902.

The Trade Name is an abbreviation of the Company's original title:—

Long Acre

Motor Car Co., Ltd.

Trade Mark registered 1904.



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Costs Compared. Reprinted from "Motor Transport," by kind permission of the Editor.

HORSE v MOTOR SWEEPERS

LACRE SWEEPER in the service of the Corporation of STOCKTON-ON-TEES.

The Success of Motor Sweeping.

The class of work in which the motor is creating such a good impression is that of street sweeping, and it is found, upon a comparison of the respective costs for carrying out this duty prior to and since the purchase of their motor sweeper, that the charge for sweeping a mile of roadway has been reduced to less than onethird of the horse-brush figure.

The vehicle which is proving itself capable of such a material saving, and which is thereby rapidly repaying its original cost, is a Lacre. Since its purchase in December last, it has displaced three horse brushes, and is, in the opinion of Mr. Wakeford the Borough Engineer, not only carrying out this important service much more economically but also more expeditiously, and is averaging considerably larger weekly mileages than the former mode. This in itself is extremely gratifying, and perhaps even more so, from the standpoint of the authority, is the fact that residents in all quarters of the town have expressed appreciation of the greatly improved scavenging in the course of the past four or five months.

The vehicle works upon a carefully prepared weekly schedule, and commences each morning at 6 a.m., returning to the garage at 1 p.m. By these means, and by undertaking the sweeping of busy thoroughfares first, the highways are given their "wash and brush up" before the commencement of the heavier volume of traffic for the day. The actual sweeping time per day is 6h hours, the driver being allowed half an hour for breakfast, and the total working time per week is 52 hours, including a short spell of two and a half hours each Sunday morning in cleaning up after the Saturday market. An adequate amount of time is allowed to the driver for keeping the machine in first-class order, for upon returning to the garage he has two full hours each afternoon to prepare for the following day's work.

Motor Reduces Cost 66%.

Upon compiling costs for the first complete quarter's work by the Lacre, it was found that it swept one mile of roadway of a standard width of 21ft. at a cost of 2s. 1d., whilst the cost of one horse brush per mile was 2s. 2d. This, however, by

no means indicates the real saving, for it must be taken into account that to perform the equivalent work of the three-brush motor sweeper over a one-mile stretch of road it would be necessary for single-brush horse appliances to make the onemile journey on three separate occasions to cover the same width of roadway. Therefore the true proportion of cost is: Motor, 2s. 1d. per mile; horse brushes, 6s. 6d. per mile of street swept.

Details of Costs.

The method by which this comparison is arrived at is illustrated by the following detailed quarterly statements:

THREE-HORSED SWEEPERS.

		2	15.	d
e men)	200	55	2	90
		28	5	
*** ***	200	5	3.	
at rate o	of 10			
for three-h	iorse			
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	***	26	18	3
st per Qr.		£125	3	-
	at rate of for three-lost £120 eac	at rate of 10 for three-horse ost £120 each)	28 5 5 a at rate of 10 for three-horse ost £120 each) 9 26	e men)

Mileage of streets swept per wk. 29.6 mls. Cost per mile swept ...

ONE LACRE SWEEPER.

Deprec	iation	n at	10 per c	ent.	£	54	
on cost of £575. £57 10s. p.a.					14	7	
Repair	s and	rene	wals-	111	-0	8	
Driver'	s was	ges		-44	45	5	3
Oils an			111	100	1	5	11
Insuras	sce £	9 98.	p.a.	111	2	7	3
Petrol			***		15	0	0
Refills	Brus	shes)			18	0	0
Taxes			444		3	12	0
Water	***	***	***	140	0	4	1
To	tal co	et ne	e Oe		£100	10	6

Mileage of streets swept per wk. 74.4 mls. Cost per mile swept

There is the added advantage of the Lacre vehicle in having an arrangement enabling it to water and sweep at the same time. This is regarded as a very material advantage over the former mode of performing the sweeping of streets in the borough, for then the service of yet another horsed vehicle-a watering cart-was necessary to carry out the full task and, as will be seen, if the maintenance and operation expenses of that vehicle are also taken into account, the present-day proportion would be practically four to one in favour of the motor so far as costs are concerned.

LACRE AND ECONOMY EFFICIENCY.

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FLEET LACRE THE CORPORA SUPPLIED TO



GATESHEAD BRADFORD WEST BROMWICH -

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> LACRE AND EFFICIENCY.

BELFAST.

3 LACRE SWEEPERS supplied in 1920. 2 more in 1922.

Excerpt from letter dated Apl. 20th, 1925.

"I should add that your machines ARE GIVING EVERY SATISFACTION."

MANCHESTER.

Excerpt from a Press report.

Manchester Corporation, Cleansing Committee, recommend the purchase of THREE LACRE SWEEPING MACHINES and...... The Committee reports that, compared with horsed brooms, each motor sweeper saves £426 per an.

> GREATER CLEANLINESS LESS COST.

WALLSEND.

Excerpts from the Press re Mr. R. H. Storer's Report. December, 1923.

During the year, the Lacre Motor Sweeping Machine has accomplished much good work and has been a most powerful assistant in keeping the Town clean. It has swept 1478 miles of streets and lanes at an average cost of 4/9½d. per street mile, or 1/2¾d. per brush mile.

Also in January, 1925.

The work of street cleaning, and most The work of street cleaning, and most particularly main roads, has been carried out in conjunction with the LACRE SWEEPING MACHINE, which has again proved to be a most powerful assistant in keeping the town clean. This machine has swept 1427 miles of streets at an average cost of 4/9/6, d. per mile as against 1478 miles of streets and an average cost of 4/9/4, per mile during 1922.

BOROUGH of HOLBORN

February, 1925.

(LACRE SWEEPER supplied in 1920.)

Reprinted by kind permission of the Editor of "Commercial Motor."

The Barrow of Commercial and States and States of Centrally situated streets, uses one Lacine Machine which works day and night for six days a week.......
The cost of the running is £14 5s. per week, and the cost per mile works out at 1/1. These results are certainly very satisfactory and reflect credit on the machine.

LACRE SWEEPING effects substantial economies

at MIDDLESBROUGH.

Reprinted from "Motor Transport" by permission of the Editor.

Sweeping Costs Halved.

The latter machine was purchased about eighteen months ago, and was responsible for an immediate reduction in the cost of performing that service. Indeed, it practically halved the cost as compared with that when the work was accomplished by horse machines. Carefully compiled costs show that the Lacre is costing 3d. per 1,000 sq. yds. of road swept, of a standard width of roadway, or 4s. 5d. per mile swept, as compared with 5.5d. per 1,000 sq. yds. and 8s. per mile swept by horse brushes.

The vehicle sweeps an average of ten miles of road of the standard width daily, and, as will be appreciated from the saving effected, is rapidly repaying its original cost. The following cost figures for a year are of interest :-

LACRE SWEEPING MACHINE.

Annual Charges. Interest and Redemption (£600, 10 years' loan at 5 per cent. 20 60 15 10 Petrol ... Refills for brooms (refills cost £1 14s. 3d. per set of 6), last on an average 10 days-say 30 sets per annum *** 101 101 Taxes Other sundries Total annual cost ... £524

The number of sure working days per annum is accepted as 250, so that the daily total cost of the machine is £2 2s. Apart from this satisfactory factor, one of the greatest assets of the Lacre is its speed, which enables the principal streets to be thoroughly cleaned up each day prior to the commencement of the heavy traffic of the morning hours. In all, there are 70 miles of main streets in the borough. All leading thoroughfares are swept daily, and the remainder on one or more occasions each week according to the amount of traffic over them. Middlesbrough, by reason of the nature of its industries, naturally presents many unusual problems, one of which is the accumulation of dirt from the blast furnaces, and in its expeditious performance of its work the Lacre is contributing very materially to the efficient cleaning up.

LACRE SWEEPING MACHINES 12 CORPORATION OF GLASGOW 920-1925



MARYLEBONE PAISLEY WALLSEND BOLTON EDINBURGH -FALKIRK CUSTOMERS' CARS ARE DRIVEN BY MEMBERS OF OUR STAFF ENTIRELY AT CUSTOMERS' OWN RISK.

Telephone: North 2708 Works and Regd. Office: Letchworth, Herts. Telegrams: UNBAFFLED, LONDON.

The Lacre Motor Car Co., Ltd.,

All communications to be addressed to the Company, and in reply please quote our Reference.

1/9Wrs.
Yours.

CLAUDE BROWNE, MANAGING DIRECTOR

LONDON OFFICE, SPARES AND REPAIRS DEPOTS

78, YORK ROAD, KING'S CROSS,

LONDON N. I, 31st May

1926.

Contractors to the
BRITISH ADMIRALTY.
ROYAL AIR FORCE.
WAR OFFICE.
BOARD OF TRADE.
CROWN AGENTS FOR THE COLONIES
AND NUMEROUS COLONIAL AND
FOREIGN GOVERNMENTS.

The Municipalities of GLASGOW. EDINBURGH. MANCHESTER. LIVERPOOL BRADFORD. PLYMOUTH. DUNDEE. KIMBERLEY. NAIROBI. JOHANNESBURG. GATESHEAD. MIDDLESSROUGH. BERGEN. SWANSEA. TOKYO. DERBY. SCARBOROUGH. BURNLEY. BATH. EAST AFRICAN PROTECTORATE. ZANZIBAR. ROCHDALE. BOLTON. YARMOUTH. DEWSBURY. BURTON N. TRENT. STOCKPOR AND MAN LONDO ETC. F LONDON BOROUGHS, ETC., ETC. Liading Manufacturers and Traders, including Messrs

Trader, including
Messra

HARRODS L.T.D.
W. WHITELEY, L.T.D.
ANTHON' HORDERN, L.T.D.
WITERLOW & SONS, L.T.D.
E.S. SAUNDERS, L.T.D.
SQUTH SUBURBAN GAS CO.
BE MINGHAM CO-OPERATIVE SOC.
ANGEL-AMERICAN OIL CO.
COVENTRY CHAIN CO.
WILLIS UNITED DAIRIES.
R. CARIER & SONS.
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R. PORER & CO., L.T.D.
CARGISLE NEW BREWERY.
BARCLAYS, L.T.D.
ANGUS WATSON & SONS.
MAYARR CATERING CO., L.T.D.
CALLOF PENNERS ASSOCIATION.
CALLEYDER'S CABLE CO.
THE BRUH COMPANY.
HAMPFORS, L.T.D.
KELLER & SON.
NEW ZEALAND FARMERS' ASSN

CALLENDER'S CASLE CO.
THE BRUSH COMPANY.
HAMPFORN, LTD.
KEILLER & SON.
NEW ZEALAND FARMERS' ASSN
WHITE HEATHER LAUNDRY.
HENLEY TYRE & RUBBER CO.
JOHN DICKINSON & CO.
SOUTH AFRICAN RLWYS.
UNION CASTLE MAIL S.S. CO.
T. WALL & SONS, LTD.
COX'S SHIPPING AGENCY.
AERAHAM LYLE & SONS.
LIDTONS.

Erc., Erc.



V Smith Esq. O.B.E. Surveyor Thesterfield Corporation Council Chambers Stephenson Memorial Hall CHESTERFIELD

Dear Sir,

Two years ago we were able to make the statement that-

There are more LACRE Sweeping Machines in service in Great Britain than all other makes put together,

To-day that statement still holds good, but it can also be supplemented as follows-

LACRES have received the overwhelming majority of repeat orders for Sweeping Machines,

and further -

The largest contracts for Sweeping Machines placed in this Country have been for LACRES.

The above results have been attained because the LACRE 'L' Type Sweeper has proved its superiority in efficiency and economy, Its consistent reliability enables the owner to maintain regular cleansing servite with a minimum loss of time for repairs or adjustments, and it provides a really clean sweep at a remarkably low cost.

Continuation Rage

V.Smith Esq O.B.E. CHESTERFIELD

cost/

Official reports by various users shew extremely low costs of operation, in respect of which we would refer you to Leaflet Ref. 1525 enclosed.

Users of this type of Sweeping Machine include-

Bradford Bath Belfast Birmingham
Derby Edinburgh Glasgow Leeds
Manchester Middlesbrough Nottingham
Plymouth Stockton York

and scores of others whose names we shall be pleased to submit to you if desired.

The price of the LACRE Road Sweeper is £575.0.0. and if you are interested, we shall be very pleased to arrange for you to have a demonstration for two or three days without obligation or expense to you.

At the time of writing we can offer, subject to being unsold, two or three ex.demonstration and rebuilt Sweeping Machines, carrying our usual Guarantee as applied to new vehicles, at prices ranging from £287.0.0. to £395.0.0. These latter may interest you, if you have only a limited area of street sweeping.

Assuring you of our best attention at all times,
We are, dear Sir,
Yours faithfully.

LACRE MOTOR CAR COMPANY Limited

THW/EP encls.

A repeat order for 3 more LACRE Sweepers is just to hand from the Bermondsey Borough Council.