

NEW **SD** Exclusive Equipment

FOR MECHANICAL AND HYGIENIC LOADING

of Standard Types of Domestic Refuse Bins

THE AUTOMOBILE ASSOCIATION

10 OCT 1967



How To Improve Present Methods of Refuse Collection ?

That is the question which is constantly in the minds of all elected representatives and

Cleansing Officers and after a long period of diligent research and experiment SHELVOKE AND DREWRY LIMITED present for your consideration the Mechanical Bin Loading Equipment now available for fitment to any new SD Pakamatic Refuse Collection Vehicle.

LABOUR SAVING

When bins are brought out in advance to the kerbside, manual effort is reduced to a minimum as the lift required to place them in the cradles on the vehicle is only 22 ins. Thereafter the loading and return to the lowered position is entirely mechanical.

The resultant reduction in fatigue, in addition to increasing the effectiveness of the crew, also enables the work to be carried out more easily by elderly operators.

If loading direct from the premises is preferred, without bringing out bins in advance of the vehicle, the lifting cradles are placed at a higher level to receive the bin at the height best suited to the method employed by the carriers.

Furthermore, the considerable advancement made in cleanliness makes the work more attractive to the operators and this in itself represents an important factor in the preservation of labour relations.

HYGIENIC

As the system does not involve the use of an expensive special bin with hinged lid, it cannot be claimed to be completely dustless but by comparison with conventional "over the rave" methods a reduction in dust emission of not less than 80% can be achieved.

The lid of the bin is not removed until lifting commences, and being held by the operator can be replaced immediately the cradle is lowered, thus by virtue of the speed of the mechanism the top of the bin is open to atmosphere for approximately four seconds only during the entire loading cycle.

Spillage is eliminated and the refuse is at all times concealed from the view of the public by total enclosure within the PAKAMATIC BODY.



Will Mechanical Loading Pay Dividends?

Overall costs of Refuse Collection must of necessity vary very considerably according to the conditions obtaining in the area of each individual Authority ; therefore it is highly dangerous, and possibly misleading, to generalise on this most important aspect, but the subsequent statements give a clear indication of the economy factors.

Assuming the Authority to be willing to take advantage of the labour saving and acceleration of collection which can be achieved, the total cost of the additional capital outlay for the Mechanical Loading Equipment can be fully liquidated in the first twelve months of service.

Unquestionably the improvement in working conditions and reduction of fatigue provide the opportunity to establish new standards of performance, beneficial and equitable to both labour and management if "payment by results" incentive bonus schemes are applied.

RAPID LOADING

The simple and foolproof hydraulic lifting mechanism, powered by a separate pump, is extremely fast in operation, the time cycle being approximately 6-7 seconds per bin and when two sets of equipment are embodied in the vehicle they can be worked simultaneously, thus ensuring maximum efficiency.

It has been established under conditions of kerbside collection that, with two men loading, a rate of 200 bins per hour can easily be achieved.

LOADING BULKY REFUSE

During normal Refuse Collection many articles are encountered which cannot be accommodated in the household bin, i.e. cartons and bundles of paper, etc. and provision is made to load these through a side aperture in the rear hopper, enclosed when not in use by a sliding door. Thus items of this nature are loaded into the body under compression.

These facilities can be made available on either or both sides of the hopper to suit individual requirements.





SALVAGE COLLECTION with PAKAMATIC Mechanical Bin Loader

On the 20 cu. yd. and 35 cu. yd. models a large compartment can be provided forward of the bulk-head in the body, thus enabling a substantial volume of salvage to be carried without sacrificing refuse capacity. This is achieved by an extension of the chassis wheelbase.

This compartment is fitted with double opening doors to facilitate loading.



The illustration on the left shows the method of constructing a salvage rack on the roof of the driver's cab and a ladder or steps are fitted for access thereto.

Mechanical Bin Lifting Equipment is available only on Pakamatic Refuse Collection Vehicles and can be supplied as under :

SINGLE OR TWIN OPERATION : on 35 cubic yard and 50 cubic yard models.

SINGLE OPERATION : on 20 cubic yard model.

To meet the challenge of progress and modernisation, take advantage of the experience of the Specialists and consult :

SHELVOKE AND DREWRY LIMITED
HEAD OFFICE AND WORKS: NEW ICKNIELD WAY, LETCHWORTH, HERTS

Telephone: Letchworth 2234-8 Telegrams: Sheldry Letchworth Cables: Sheldry, Letchworth