

The NEW

**GRAVITY
PACK-LOADING**



SICARD

SANIVAN

REFUSE COLLECTOR

BIGGEST LOADS—FASTEST LOADING

IN ASHES AND ALL REFUSE

EXCLUSIVE PRE-COMPACTION — EJECTION UNLOADING

New "GRAVITY PACK-LOADING" technique with exclusive pre-compaction in hopper insures full record loads—

(Patented in U.S.A., Canada and other countries — Other patents pending).

LOW LOADING HEIGHT LARGEST LOADING HOPPER

The average hopper loading height of the New "Sanivan" is 36" depending on type of truck and size of tires. This reduces operator fatigue to a minimum.

The wide roomy hopper has a total capacity of 2.6 cu. yd. which can be completely filled with loose refuse. Larger hopper means fewer loading cycles . . . shorter total loading time.

EXCLUSIVE PRE-COMPACTION IN HOPPER

When the hopper is full the door is closed and the bottom of the hopper, which serves as the compression plate, comes up and compacts the refuse against the retainer plate which acts as an anvil.

This operation reduces the volume of all compressible materials. Orange crates and other wooden boxes are splintered . . . metallic receptacles are flattened and the whole load is softened up to give maximum efficiency to the Gravity Pack-Loading operation.

GRAVITY PACK-LOADING

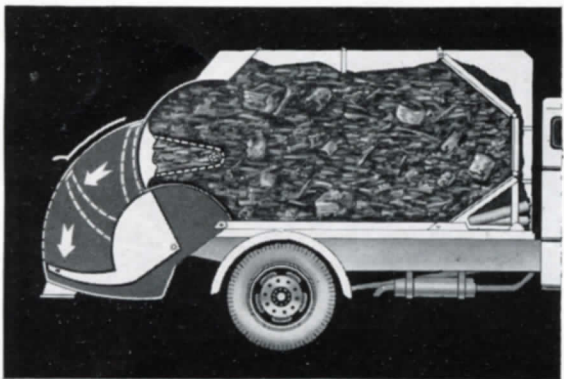
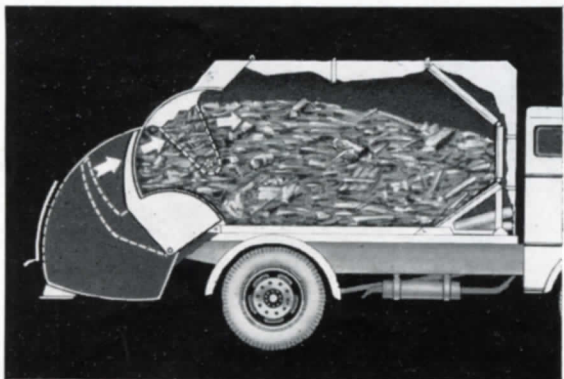
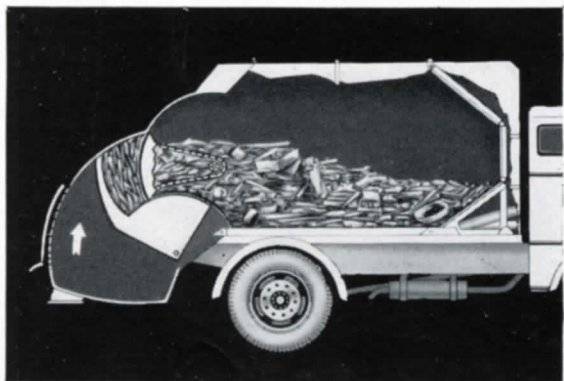
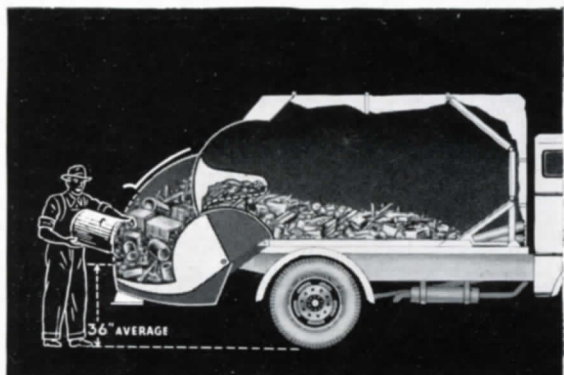
Once the material has been crushed, the retainer plate moves up and the compression plate continues its stroke to load the refuse into the body. This is the only pack-loading technique taking advantage of gravity. Here the material in the hopper is lifted and does not push the full load at all times.

When the body is filled, the stroke of the compression plate packs the load of pre-compacted refuse into every nook and corner for a truly record load.

NO "ROLL-BACK" WITH PERMANENT RETAINER PLATE

When the compressor plate has completed its stroke, the retainer plate comes down flush against the compressor plate insuring that NONE of the refuse will fall back into the hopper—leaving same free for another large, full hopper-load.

The compressor plate then returns to its original position. (Notice built-in liquid tank underneath compression plate)



Compare speed of this complete loading cycle — 25 seconds

STRAIGHT FACTS PROVE

The NEW Sicard "SANIVAN"

is the most efficient, economical and versatile modern refuse collector

THE FACTS

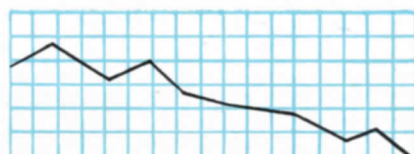
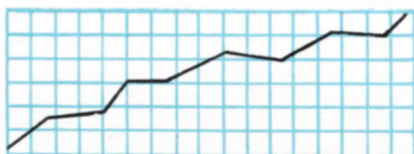
THE RESULTS

<p>*Pre-Compaction in Hopper New Gravity Pack-Loading</p>	<p>Record Loads</p>
<p>Largest Hopper Fastest Loading Cycle Permanent Retainer Plate</p>	<p>Record Loading Time</p>
<p>*"No-Tilt" Unloading Bulkhead Simple Loading and Unloading Mechanism Top Quality Materials Sturdiness of Construction</p>	<p>Minimum Maintenance Cost Maximum Continuous Operation</p>
<p>Low Loading Height Sanitary Working Conditions Accident-Proof Design</p>	<p>Top "Operator-Efficiency"</p>
<p>Record Loads in Ashes Record Loads in Refuse Splinters Wooden Crates Crushes Metallic Containers</p> <p>(*Exclusive Patented Sicard Feature)</p>	<p>"All-Purpose" Body</p>

Only The Sanivan Has All These Features

WITH THE NEW SANIVAN

EFFICIENCY GOES UP AS COSTS GO DOWN . . .



EXCLUSIVE!

EJECTION UNLOADING MECHANISM

**Saves Time at Unloading
Saves Wear and Tear on Truck
and Body — SAFE, POSITIVE!**

SIMPLE HYDRAULIC MECHANISM

The unloading mechanism consists of an unfolding bulkhead built in three sections—the upper one anchored at the top and the lower one sliding on the body floor. Arms pushing the tailgate up are attached to the bottom of the lower section of the bulkhead. Two hydraulic telescopic cylinders operate the unloading mechanism. Capacity rating of unit does not include space occupied by mechanism.

NO JARRING REQUIRED TO FREE LOAD

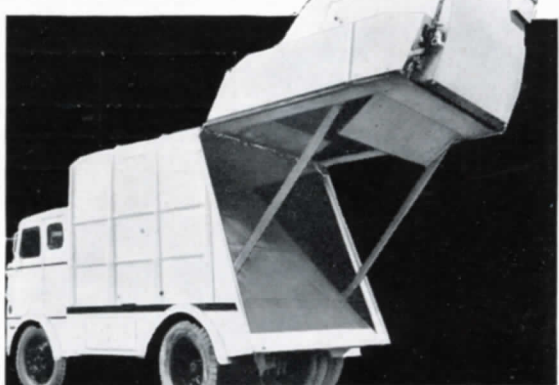
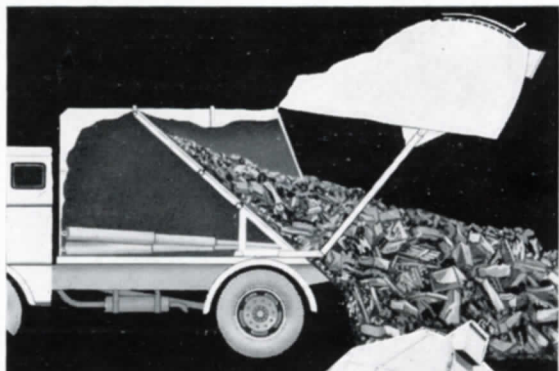
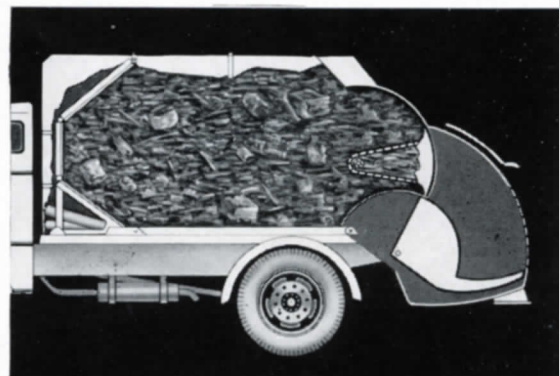
The unloading lever is at a safe position on the right hand side of the unit. A touch of the lever and the powerful cylinders go into action. The bulkhead starts to move, in sequence, and the arms immediately push the tailgate up. The "Sanivan" packs the refuse tightly. Ordinary dumping operation would not easily free the load. With the unloading bulkhead, no jarring is required, saving substantially on maintenance costs on both truck and body.

STABILITY MAINTAINED

During unloading, the bulkhead reaches an angle of 45°. This feature prevents the centre of gravity of truck and load from shifting further to the rear than the centre of rear axle during unloading. The truck front end cannot be lifted from the ground through unbalanced distribution of the load. Full loads of ashes and other refuse are speedily unloaded. Another touch of the control and the mechanism returns in position while the tailgate closes.

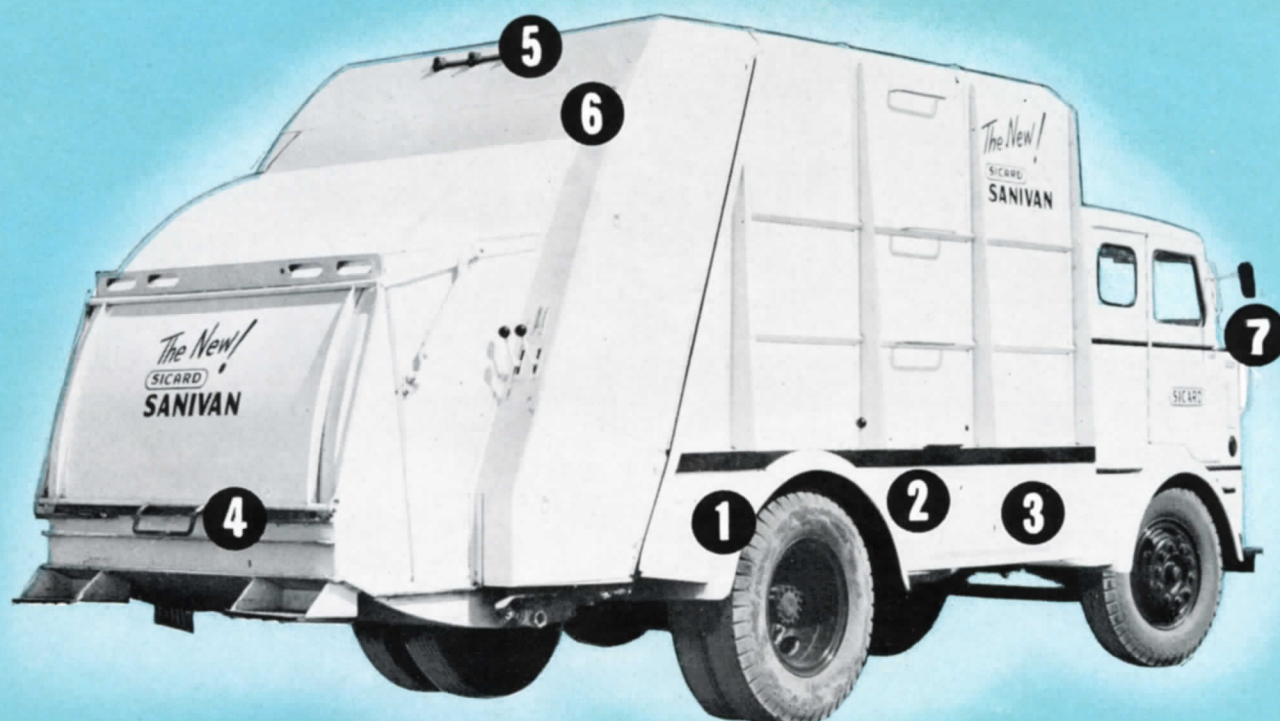
DESIGNED WITH A PURPOSE

The Sicard *exclusive* unloading bulkhead was specifically designed to solve a difficult unloading problem. It eliminates any possibility of upending the complete unit, especially when mounted on short wheelbase trucks. When tilting bodies are used, the weight of the load and the opened tailgate throws the centre of gravity far back and the front wheels have a tendency to lift off the ground, with danger of tipping. No dead weight required at the front end for counterbalance. The "Sanivan" method is a distinct advantage where cab-over-engine trucks are preferred because of narrow lanes or other cramped areas.



Dumping Hoist also available if required.

OPTIONAL EXTRAS



- 1-2. Rear fenders and side aprons—for improved appearance.
- 3. Tool Boxes—one on each side.
- 4. Hopper-edge rubber pads to protect containers.
- 5. Three-way marker lights, front and rear.
- 6. Directional lights.
- 7. Pressure Gauge—not installed—for periodic checks of hydraulic pressure.

SPECIFICATIONS NEW "SANIVAN"

Model	Capacity	Overall Length	Overall Width	Average Height	Weight	Type of Unloading Mechanism
SM-4	*14 cu. yds.	195"	95"	118"	8800 lbs.	EJECTION
SM-4D	*16 cu. yds.	195"	96"	118"	8600 lbs.	DUMPING

*Does not include space taken up by loading or unloading mechanism.
Larger capacity bodies also available upon request.

MINIMUM TRUCK REQUIREMENTS

MODEL	G.V.W.	*C.A.	Tires
SM-4	21,000 lbs.	102"	9.00 x 20 Dual rear
SM-4D	23,000 lbs.	102"	10.00 x 20 Dual rear

*This C.A. dimension leaves 6" approximately between back of cab and body. Increase in C.A. widens gap proportionately.

SICARD INDUSTRIES INC.,

753 W. Main St., Watertown, N.Y.

Also Manufacturers of

The famous "SNOW MASTER" The SNOW MASTER JUNIOR
The MASTER FLUSHER



RECORD LOADS

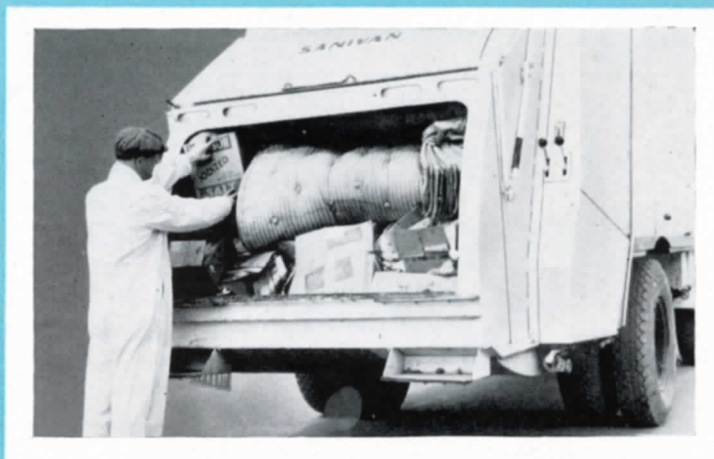
in ashes and other refuse

The "NEW" SANIVAN

ALL-PURPOSE
Refuse Collection Body



Two men can load ashes freely in the low, wide and roomy hopper. Ashes are piled high, less hopperfuls means faster overall loading time. New loading technique insures record loads in ashes, clinkers, etc.



Loading mechanism permits full use of 2.6 cu. yd. capacity hopper. No limited loading level. All compressible material will be crushed in hopper, reduced in size, softened up for final pack-loading.



BEFORE

AFTER

Pre-crushing and pack-loading means full compaction for maximum loads. Compacted refuse takes less room in sanitary land-fills—stays put in open dumps—is dry for incinerators.

Wooden crates are splintered, metallic containers flattened... practically any imaginable article will go through hopper eliminating necessity of side doors, useless when body is half full.

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