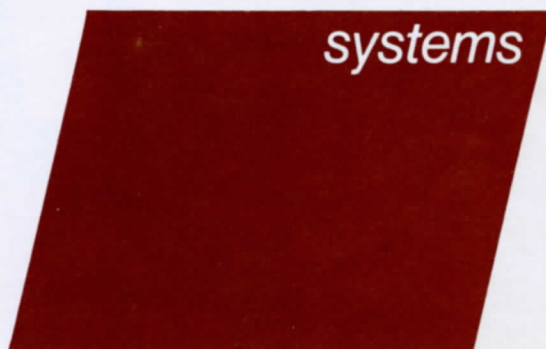


LP 10-00

**Ten - Hundred
Residential Load Packer**



by

GarWood



the most complete residential Load Packer for today's refuse market

Refuse is pre-compacted in hopper...

The large 2 yard hopper is where the LP 10-00's remarkable capabilities can be seen in detail.

The upper packing panel (A) is a carefully engineered elliptical design and is made of high strength alloy steel.

The lower packing panel (B) is freely hinged to the upper panel to allow its scientifically designed path of travel.

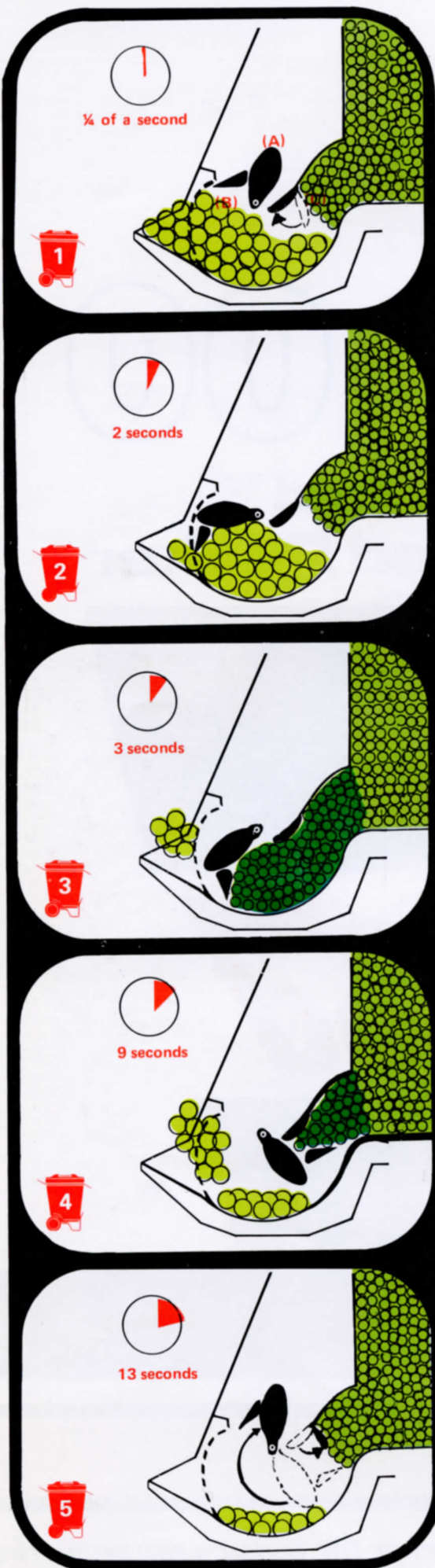
To these, add the load retaining panel (C) and you have a uniquely designed tailgate.

At the beginning of the cycle (1), a built-in track guides the lower panel, which moves to its interrupted cycle position (2). By re-activating the control lever, the panel will then automatically complete the compacting portion of the cycle, moving through the exceptionally low pinch point (3). The panel, when packing, will move past this point without jamming. It crushes and squeezes, then moves easily into the hopper. A reducing orifice (shown by heavy lines in 4) pre-crushes the material before the refuse is compacted in the main body.

The actual pre-crushing occurs at the reduced orifice with the lower packing panel moving at a scientifically designed angle to avoid a stall point and messy back-ups, but with power to force refuse through the orifice. Refuse is being forced into the orifice at 35 psi while refuse leaving the orifice exerts only 5 psi pressure against the ejector panel.

The LP 10-00's unique design, permits the panels to return to the start position without kicking material out of the hopper (5).

The net result is a hopper which can be loaded continuously with the exception of the three seconds required to start the packing action. The small clocks indicate the time elapsed through each stage of the packing cycle and return of the packing panels to the start position. This performance permits the LP 10-00 to complete its route in less time than any other rear loader manufactured to date.



LP 10-00

by **GarWood**

Unique power system provides maximum force, rapid response...

The LP 10-00's efficient and powerful packing mechanism is driven by a unique single-side hydraulic system.

The system consists of only two cylinders linked by high strength, carbon steel chains to a cam assembly and then firmly anchored through the inner wall to the packing panel itself.

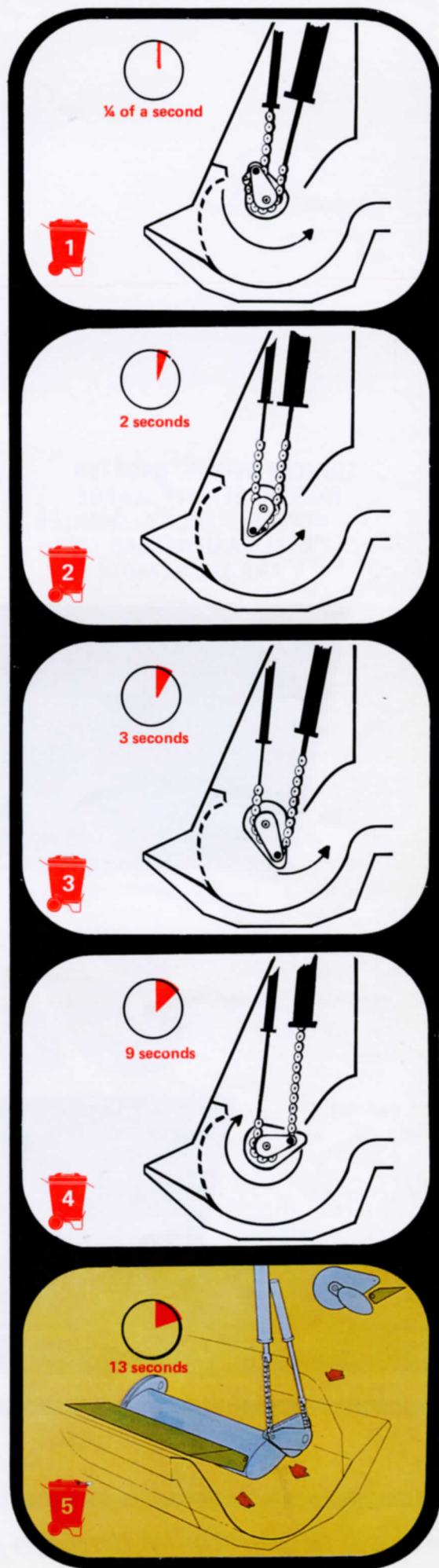
The larger packing cylinder, combined with the design of the cam, provides high speed/low torque and low speed/high torque on the power portion of the cycle (figs. 1-3).

The relatively small retract cylinder provides rapid return (fig. 4).

This design has resulted in a great reduction of moving parts. The LP 10-00 has fewer parts than any other packer on the market, which means less maintenance and less down time.

The unique elliptical upper panel configuration forms a strong torque tube which, when combined with the high quality, heavy duty bearing journals, provides evenly distributed packing power across the full panel surface.

This simplified system, eliminating unnecessary moving and non-moving parts, has contributed to the LP 10-00's overall dead weight reduction by some 30% over similar type packers. Even with this substantial weight reduction, ample reserve has been designed into the LP 10-00 through the utilization of high strength materials and creative design geometry.



Body design eliminates side bracing and standard understructure...

The body of the Gar Wood LP 10-00 Residential Load Packer offers a radically new design that has eliminated body side braces, longitudinals and cross members in the understructure. It capitalizes as much as possible on the fact that a cylinder is the perfect pressure vessel.

The body sides are smooth with no ribs. The body derives its strength through carefully calculated curvatures (fig. 1).

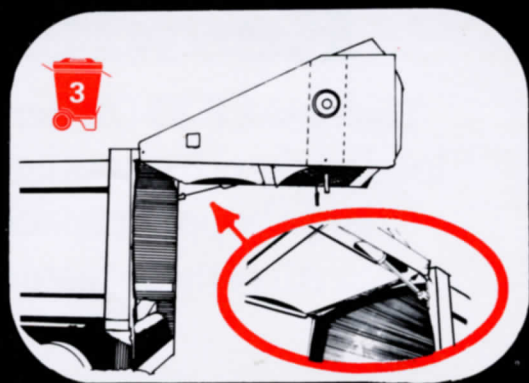
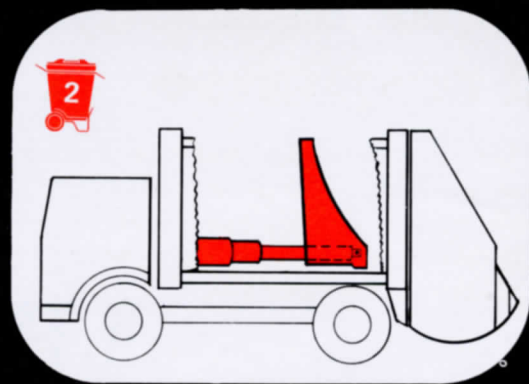
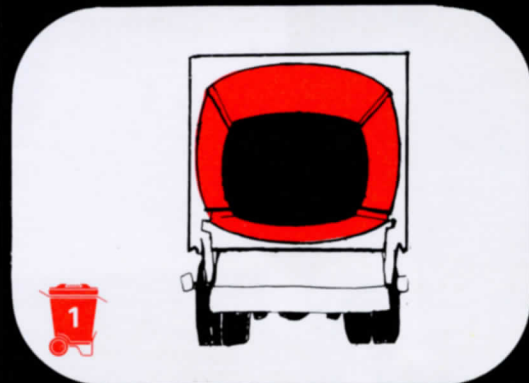
The curved sides, floor and roof are supported by a surrounding frame made of steel with extremely high yield strength. The net effect of this is a high density packer with a weight of approximately 7,500 pounds, providing the ultimate in payload-to-weight ratio.

The LP 10-00 has the proven Gar Wood ejector system with double acting telescopic cylinder mounted horizontally (fig. 2).

The tailgate is raised by a single cylinder (fig. 3). This is made possible by the incorporation of the torque tube designed into the tailgate.

The LP 10-00 features a big two-yard hopper (fig. 4) that, in addition to normal refuse, can handle occasional bulk items such as sofas, bed springs, Christmas trees, etc.

The unit incorporates approximately 30% less moving parts and approximately 50% fewer hydraulic fittings, proportionately reducing sources for wear, leaks and other maintenance problems found in competitive packers.



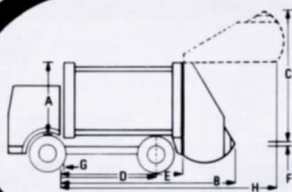
Engineered For Profit



LP-10-00 Residential Packer

The new LP-10-00 (ten hundred), the ultimate residential load packer. It offers lighter weight, greater packing density, large hopper capacity, shorter cycle and reload time. All of these features to *increase your profits.*

See your Gar Wood distributor for details.



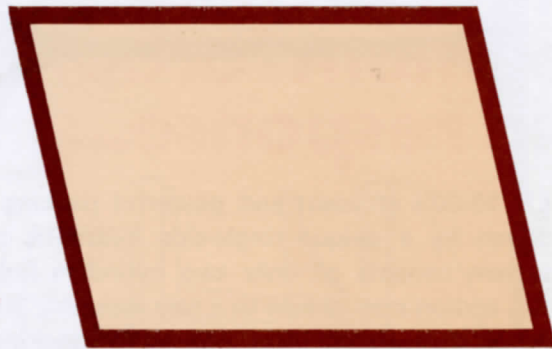
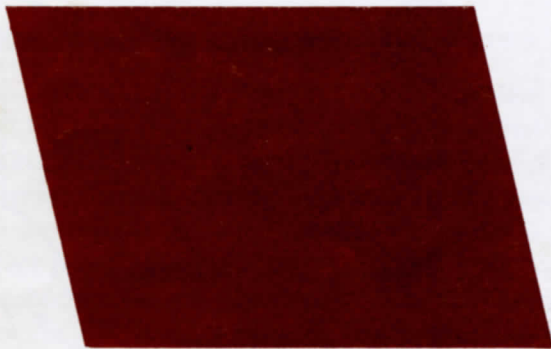
SPECIFICATIONS

(Dimensions in Inches)

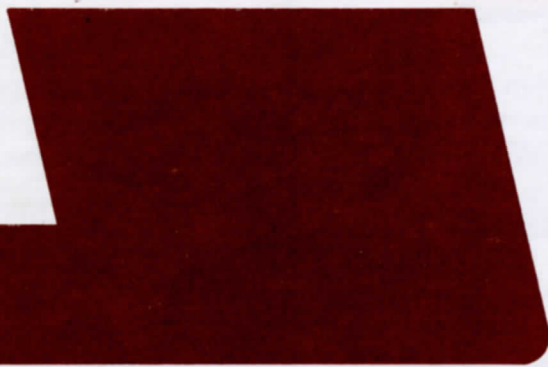
| MODEL | CAP. CU. YD. | A | B | C | D | E | F | G | H | WIDTH | WEIGHT |
|----------|--------------|----|-----|-----|-----|-----|-----|---|-----|-------|-----------|
| LP-10-18 | 18 | 92 | 219 | 149 | 120 | 151 | +1¼ | 3 | 274 | 96 | 7300 lbs. |
| LP-10-20 | 20 | 92 | 233 | 149 | 133 | 165 | +1¼ | 3 | 288 | 96 | 7500 lbs. |

LIGHTER WEIGHT...GREATER
PACKING DENSITY...LARGE
HOPPER CAPACITY...SHORTER
CYCLE AND RELOAD TIME
...ARE ALL REASONS WHY

THE GAR WOOD LP-10-00 RESIDENTIAL
LOAD PACKER OFFERS ALL THE QUALITY
AND PERFORMANCE YOU NEED FOR
EFFICIENT AND ECONOMIC REFUSE
COLLECTION.



GarWood



DIVISION OF

**SARGENT
INDUSTRIES**



improving productivity through modern technology