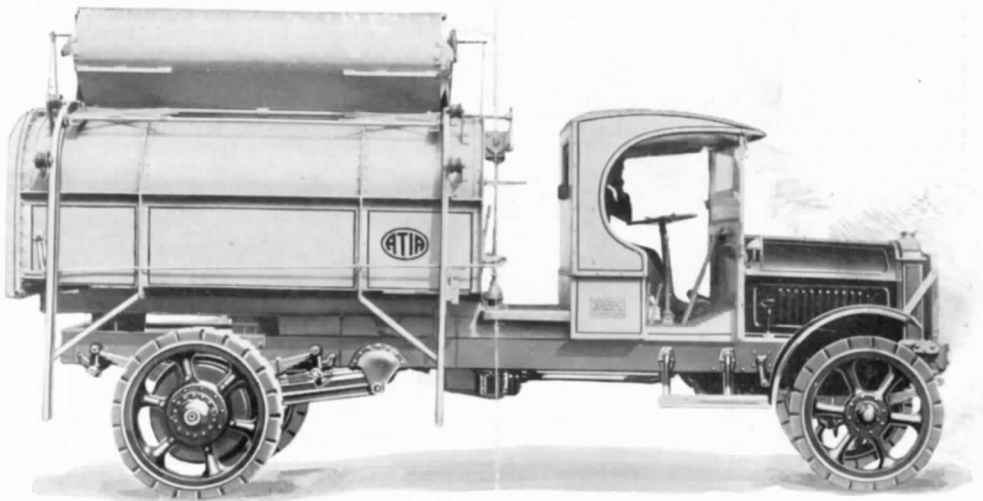




Ash and Garbage Remover

Sold Complete Mounted on
Any Make of Truck Chassis
or Shipped Unmounted
to Any Point in the U. S.
Ready for Assembly



Patented and Manufactured by

ATIA CORPORATION
150 Broadway, New York City, U. S. A.

ATIA ASH and GARBAGE REMOVER



Bucket (9 ft. long x 22 in. high x 21 in. opening across top) lowered to curb ready for load.



Easily loaded. Only 30 in. lift above curb required.

Entirely Enclosed, Self Loading, Sanitary

THE ATIA ASH and GARBAGE REMOVER completely revolutionizes ash, rubbish and garbage collection. At one stroke it has not only placed within the grasp of municipalities an entirely new form of equipment which is both **SANITARY** and **CLEAN**, but displaces all former miscellaneous old-type equipment with one that is truly an engineering masterpiece. In fact, ATIA places such equipment for the first time in an engineering category where it belongs. This application of engineering principles has achieved an advance in this field equal to the tremendous strides recorded in industrial fields where modern mechanical methods have previously been adopted. Instead of man power to lift receptacles of refuse head-high to be dumped in an open yard, ATIA offers an entirely enclosed body with a huge bucket, or trough, of one cubic yard capacity which comes down to the curb, receives contents and is then mechanically raised to the top of the body where it pushes a metal drop curtain aside, enters an enclosure and automatically discharges and distributes contents. With the withdrawal of the bucket, the metal curtain again drops, thus confining dust and odor both during and after dumping. Two power take-off connections, one to operate the bucket, the other to hoist the body, are employed. All mechanical operations are executed from the driver's seat.

Drastically Cuts Collection Costs



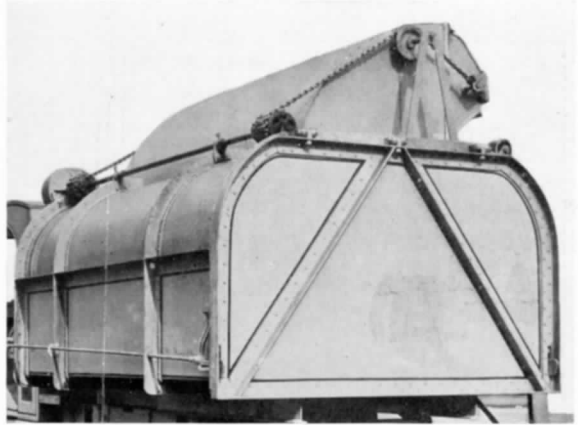
Bucket entering enclosure about to assume its dumping angle of 45 degrees

The savings effected are due to three reasons: (1) Speed in automatic loading and distributing. (2) Reduction in labor required. (3) Where horses are used, greater speed and less cost for upkeep per cubic yard collected. ATIA Standard 8 cu. yd. Body can be loaded in 20 to 25 minutes. Time required going to Dump or Incinerator, and return, when approximately 1½ miles distant, 20 to 25 minutes additional. Labor reduced to one driver and one helper (two helpers may be used if desired). Same helpers may be used on a second machine while the first machine is going to Dump. Usual labor required, previous methods, 3 to 5 men per wagon or truck. Horses cost approximately \$2.50 each per day for feed, maintenance, etc. Comparative operating costs per cubic yard for ash and rubbish removal: ATIA, 22c; motor trucks, 70c; trailers, 72c; horse drawn, \$1.54.

ATIA ASH and GARBAGE REMOVER

Collection Data and Equipment Required

Approximately 1 ATIA machine is required per 10,000 population in the average community, (less in congested areas) based on average distance to dump or incinerator of $1\frac{1}{2}$ miles, total mileage covered daily about 36 miles, with receptacles set out at curb. The estimated ATIA collection cost of 22c per cu. yd., includes upkeep, maintenance and operation based upon ability repeatedly demonstrated, to collect 8 loads of 8 cu. yds. or 64 cu. yds. daily of ashes and rubbish. Total number of loads carried daily is more or less dependent upon distance from dump, whether refuse collected is garbage, ashes or rubbish and mileage required for pick-up. Total equipment required depends upon number of loads of ashes, garbage or rubbish (or all three) to be collected, the number of miles to be covered per 1,000 population and whether collections are made from curb or back yards and basements. When collections are made from the latter, this cost for additional labor will be extra and refuse should be brought out to curb in advance of actual collecting in order not to impede speed of machine and necessitate additional equipment.



Emptying position of bucket insures perfect self-distribution of load.

Specifications and Guarantee

Blue prints can be supplied of entire operating equipment or separate working parts. Bucket is raised and dumped by specially treated, long-lapped hoisting chains wound on revolving drums. Drums are operated by gears and shaft, affording a direct drive from power take-off. (See illustration next page.) Travel of bucket automatically terminates at end of trip. Mechanical or hydraulic body hoist supplied, as desired. Type A-1, Standard 8 cu. yd. Body, 11 ft. long, 6 ft. wide, 3 ft. 10 in. high. Bucket 9 ft. long. (1 cu. yd. additional carried in bucket). Type A-2 Special $14\frac{1}{2}$ cu. yd. Body, 13 ft. long, 7 ft. wide, 4 ft. 6 in. high. Bucket 10 ft. long. (1 cu. yd. additional carried in bucket.) All gears chrome steel hardened, and ground. Chain rolls, carriage wheels, worm gear and bevel gear drive, full ball bearing, operating in enclosed grease cases.

Entire equipment covered by Standard S.A.E. Warranty.



Rear door releases from drivers seat. Dumping angle 45 degrees.

ATIA ASH and GARBAGE REMOVER

Chart Showing Mechanism and Parts

The chart below serves both to show the simplicity of mechanical operation and list the working parts. Note direct drive from power take-off connection to chain drum shaft making operation practically noiseless. Vertical drive shaft is provided with hardened steel universal joint which takes care of distortion and elongation due to inequalities of road surface. The worm drive insures that the bucket will not descend by gravity unless operated by power. All gears and mechanical parts may be ordered directly from this chart.

