

DIRT LIFT TESTS

Kirby Model 512 compared to New Model Tank Cleaner.

A new series of tests were run in The Scott & Fetzer Company laboratory to compare the dirt removing ability of the latest production Model 512 Kirby cleaner with a 1951 model tank cleaner. The tank cleaner used for comparison is a "vertical" type, the "horizontal" type being previously compared against the Model 508 Kirby.

Tests were made on a variety of rugs, in strict accordance with the "Method for Investigating Vacuum Cleaners" published under date of November 16, 1946, by the Good Housekeeping Institute of the Good Housekeeping magazine. In this method, measured areas of naturally dirtied rugs are cleaned under exactly regulated conditions, and the dirt obtained by the two cleaners is carefully weighed and compared.

Test results were as follows:

<u>Rug</u>	<u>Kirby Dirt</u>	<u>Tank Dirt</u>	<u>Effectiveness of Tank compared to Kirby</u>
Heavy Axminster	.52 oz.	.35 oz.	67%
Heavy Velvet	.69 oz.	.33 oz.	48%
Medium Velvet	.29 oz.	.13 oz.	45%
Thin Wilton	.13 oz.	.04 oz.	31%
Totals	1.63 oz.	.85 oz.	Average 52%

NOTE: The average figure, 52%, means that the Kirby was almost twice as effective as the tank.

An interesting series of tests were next performed to show the ability of one cleaner to remove dirt left by the other.

1. The tank cleaner was run over a certain area of dirty carpet, and in a measured time it removed .35 ounces of dirt. The Kirby Model 512 was then run over the cleaned area for the same measured time, and it picked up .17 ounces of dirt which had been left by the tank cleaner, that is 49% more.
2. The Model 512 Kirby was run over a certain area of dirty carpet, and in a measured time it removed .43 ounces of dirt. The tank cleaner was then run over the cleaned area for the same measured time, and it picked up .05 ounces of dirt which had been left by the Kirby, that is only 12% more, and this was mostly rug nap scraped off by the rubbing of the nozzle.

The results of these tests graphically illustrate the more thorough cleaning obtained when the Kirby was used.

Another interesting test was made to determine the length of time required to remove six pounds of dirt (less than one bag full for the Kirby). The Kirby picked up the entire quantity in 1.5 minutes, while the reduced suction of the tank cleaner when a large quantity of dirt is picked up, and the necessity for emptying the bag to re-establish cleaning ability, made it necessary to clean the rug for 16 minutes with the tank before the six pounds of dirt was picked up.

NOTE: In this test Kirby was over ten times as effective as the tank.

The above tests to the best of my knowledge and belief are accurate and were made in strict accordance with accepted testing standards.

C H MacFarland
C. H. MacFarland, Engineer

Subscribed and sworn to before me this 28th day of December, 1951.

A H Williams

Notary Public

Commission expires

Oct 6, 1954