

Semi-Automatic Commode Cleaner Equipped with a Flexible Shaft

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Abstract

The sustainable development of contemporary civilizations is dominated by sanitation. Over the years, the need for sanitation was fulfilled during the civilizations. The need for toilets is required for human habitats. The most fundamental sanitary equipment is toilets, toilet products and washbasins. Whether it's large shopping malls or tiny marketplaces, colleges or colleges, worship and courts, prisons, offices, railways, bus stations, roads—every spot requires a bathroom. As the toilets have taken a very significant role in human lives, they have to be kept clean and maintained. The cleaning toilet is a menial / low appreciation task. Service providers or people are becoming very difficult to do these things, and no one wants to do them. But to maintain the bathrooms clean and tidy is very essential. Dirty wash basins and bathrooms are breeding grounds for damaging germs and bacteria. The toilet stench is unpleasant and unpleasant, and it also smells and looks bad, so individuals are awkward. There is no access to clean toilets for a very big part of the Indian population both rural and urban, which is why they are compelled to defect openly and restricting themselves by enabling individuals to have their own private toiletries. There is no access to clean toilets for a very big proportion of the Indian population in rural and urban areas, and therefore they are compelled to slurry in the open, thereby encouraging them to have their own bathrooms.

Keywords-slurry, menial, commode

INTRODUCTION

To make sure the toilets are checked, the cleanliness and maintenance of the toilet should be monitored daily. Schools can even want the learners involved in the inspection process to begin to get an idea of what to look for and make it a learning experience too. It is highly useful to use cleaning products specifically for a specific job, e.g.: cleaner for the toilet bowl, cleaner toilet seat for the toilet sit, etc. For instance a poisonous cleaning product can cause irritation and/or burns in the bathroom. Ensure regular cleaning of toilet seats[1]–[3]. Children always use the bathroom and can get dirty quite rapidly throughout the day. It is not good enough to clean the bathroom once a week; the bathroom should be washed instantly in case of an emergency in order to avoid further germs and potential diseases. In the toilet sitting, deposits from past customers may still occur, causing a potential health risk, even when you have an adequate cleaning scheme[4]–[6]. That's why colleges should put in every bathroom toilet seat covers to allow learners to use them if needed. Towels are produced of thin paper so that they can be

readily washed and long-lasting so that they can safeguard the user against sprout on the toilet. You don't have to think of the individual who sat before you with bathroom seat coverings. It's simple, secure and not only the students, but the college as a whole will profit. This coverage doesn't undermine the need for periodic cleaning and schools should keep their typical cleaning timetable. This coverage will simply be an extra measure to combat germs and to safeguard learners.

RESULT AND CONCLUSION

There is very limited workforce available to provide legal services. Even if people prefer the task of cleaning toilets and also the most disliked, but it is the most necessary. Whether in the government locations or homes, no one wants to wash human excreta. Over the years, the governments have recognized and launched various programs to support the use of family and public toilet spaces. The increasing amount of toilets is also a problem because no one likes to use filthy and unhygienic toilets. Therefore, for a nation like ourselves, a mechanized or semi-automatic washroom is needed the hour. Such mechanized cleaning facilities and washbasins can be quickly and effectively cleaned and also allow for janitors to do their work easy, hygienic and secure.

References

- [1] R. M. Hession *et al.*, "Multiple sclerosis disease progression and paradichlorobenzene a tale of mothballs and toilet cleaner," *JAMA Neurol.*, 2014.
- [2] K. Kobayashi and H. Fukushima, "Suicidal poisoning due to hydrogen sulfide produced by mixing a liquid bath essence containing sulfur and a toilet bowl cleaner containing hydrochloric acid," *Chudoku Kenkyu*, 2008.
- [3] M. T. Yahya, J. M. Cassells, T. M. Straub, and C. P. Gerba, "Reduction of microbial aerosols by automatic toilet bowl cleaners," *J. Environ. Health*, 1992.
- [4] M. Matsumoto and K. Inoue, "Predictors of institutionalization in elderly people living at home: The impact of incontinence and commode use in rural Japan," *J. Cross. Cult. Gerontol.*, 2007.
- [5] E. Friesen, D. Theodoros, and T. Russell, "Development, construction, and content validation of a questionnaire to test mobile shower commode usability," *Top. Spinal Cord Inj. Rehabil.*, 2015.
- [6] A. Arcelus, M. Holtzman, R. Goubran, H. Sveistrup, P. Guitard, and F. Knoefel, "Analysis of commode grab bar usage for the monitoring of older adults in the smart home environment," in *Proceedings of the 31st Annual International Conference of the IEEE Engineering in Medicine and Biology Society: Engineering the Future of*

Biomedicine, EMBC 2009, 2009.