

## Letter to Engineer

Dear Engineer,

I have recently noticed that people of my local community and in this world grow many plants and flowers. Plants and flowers are very important in the life of the human beings. They promote health and well-being as well as you getting to nurture something alive.

They help people get rid of stress and anxiety. People love to grow seedlings because they enjoy looking and caring for them. They can boost your mood and assuage depression and anxiety. I love plants because they make me happy, for these reasons, especially when they are fresh.

Flowers can attract many people just by looking at them because of their beauty, shape, fragrance and colours. Without flowers and plants, the world would be a duller place so this is why people grow them.

However, the trouble that a large number of people face when growing plants is watering them. Plenty of people are concerned and worried about their water bills being expensive/ high in cost. As of this issue, the public tend to water their plants less, but they do not want their plants to die or all the effort goes to waste.

Do not fear, as I have come up with a solution! Here my 3 ways to save the water bills being pricey.

Number 1, collect the rain water as this method will help you use less of your normal tap water. Number 2, reuse your water from cooking, the kettle, the shower/ bath or even the fish water. You could even install a water tank and this will save you tons of money for the future ahead of you. And number 3, avoid overwatering and check your soils, Checking your soils is very important because the soil may be moist so it will not need watering. When watering your plants, do not overwater, so water your plants once or twice a day, morning/ night.

But how do you collect all the water you ask? I've got you covered. I have invented a type of machine that sucks up water from anything

like water from the bath, on the floors or even fish tank water. This is like a vacuum cleaner but sucks up water. Please see labelled image below with further details/ information. It is a large tub on wheels that is connected to a tube that sucks up the water. A filter is also included in case you want to filter the water which will be attached to the end of the tube.

This machine needs charging and the battery life lasts up to 5 days. The lid is also included. If you want to collect rain water, you take off the lid and tube/ filter, leave it outside ( do not worry about you being electrocuted as a double plastic lining is on around the tub so you won't get hurt ) and let the rain fill the tub! Later on, you can use this to water your plants, just put the tube on and your good to go! To finalize, this invention will save thousands of people's water bills from being high in cost and save them from losing money, or even worse, becoming homeless as they cannot pay those bills. You will not only be saving the Earth by reducing the water usage people use and saving the Earth's resources, you will be showing millions of people that you care about what they think.

I am 13 years old and my invention is called '**LH Vacuum**' and 'LH' stands for liquid hydrogen, which is an odourless, colourless, tasteless and nontoxic substance, also known as water!

Thank you for taking the time to read this letter!

Best Regards,

Tia P.

# LH Vacuum'

