

PHYSICAL SCIENCE

HAIR DRYER Speaks

ZEST-2020

Many people are familiar with the daily routine of washing, drying and styling their hair. Although the hair will eventually dry on its own if given enough time, most people reach for a hair dryer to speed up the process. Even though hair dryers haven't been around long, millions of people in modern society today use hair dryers on a daily basis. A hair dryer or blow dryer is an electromechanical device designed to blow normal or hot air over damp hair, in order to accelerate the evaporation of water particles and dry the hair.

Who found me??

In 1890, the first hairdryer was invented by French stylist Alexander Godfrey. His invention was a large, seated version that consisted of a bonnet that attached to the chimney pipe of a gas stove. He invented it for use in his hair salon in France, and it

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was not portable or handheld.

My working principles and uses:-

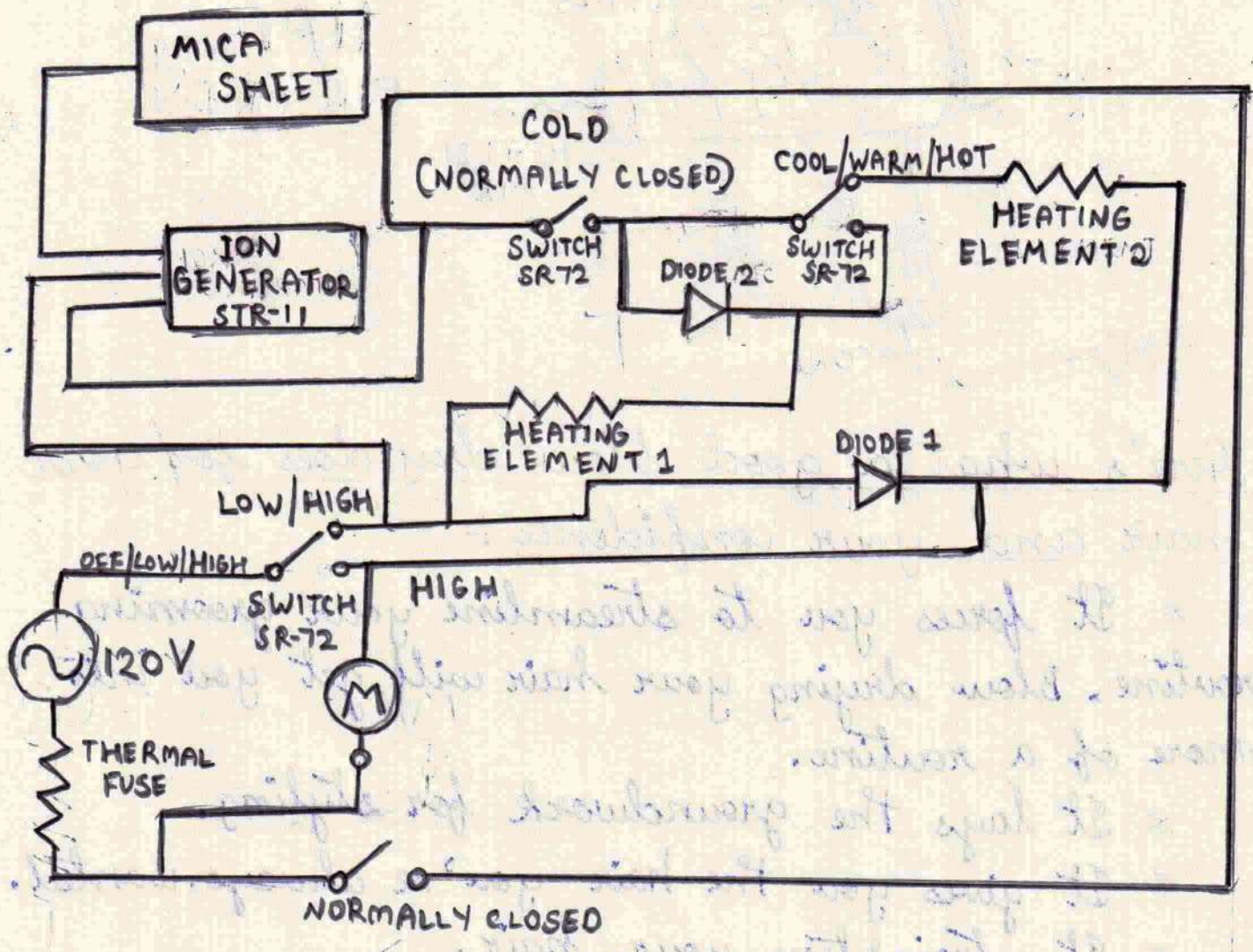
Electric hair dryers work by blowing room temperature air in through the vents. The air then passes over the nichrome wire coils that heat it, making it able to blow the hair dry with hot air. The process of air blowing on the hair speeds up water evaporation.

The main principle of this is the ratio of the amount of water the air holds to the amount it could hold. For example, if the relative humidity is 90%, that means that the air is holding 90% of its maximum volume of water. When air is heated, its relative humidity decreases. It still has the same amount of water, but it can hold it more. Therefore, hot air will dry your hair faster, since the water in your hair will evaporate more quickly.

All electrical appliances may be dangerous if misused. Hair dryers are partially dangerous because they may accidentally dropped into a sink or bathfull of water. Therefore, special quality control precautions must be taken to reduce

electrocution. Hence the warning label must be permanently attached to the drier cord.

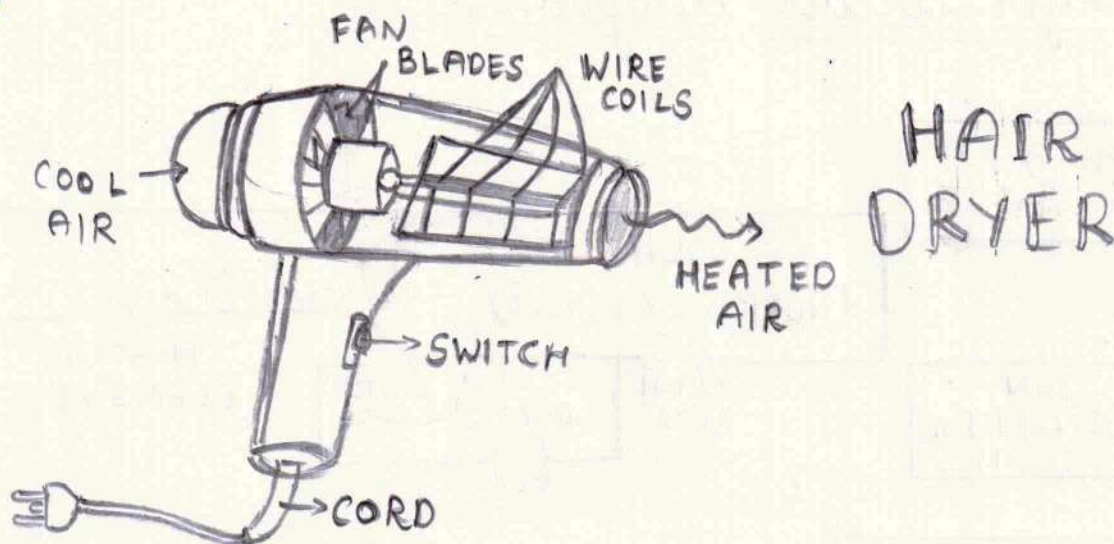
Hair dryer circuit diagram:-



How do I work?

On most basic hairdryers there are multiple options for the strength of air such as low, medium and high. The way these different power options are created is with the blades centrifugal motion. The air is blown in with holes

that have a safety screen on top that protect your hair from also being caught by the hair dryer.



Here's what a good blow dry does for your hair and your confidence :-

- * It forces you to streamline your grooming routine. Blow drying your hair will get you into more of a routine.
- * It lays the groundwork for styling.
- * It gives you the hair you've always wanted.
- * It straightens your hair.
- * It increases your confidence.

My Advantages:-

- Extreme weather, icy winds, and dust are your hair's enemies you need to beware of.

Hairbuyers seem to get much help to keep your

hair clean & dry.

- A range of hairdryers is there to blow the moisture away and let you style your hair as you need.
- Keeping your head exposed to windy and wet weather can lead to severe headaches and cold too. This is why you will require a hair blower to dry your scalp and stay safe and warm. Hence we can use hair dryers.

My disadvantages :-

- * Drying too much blow on the hair causes problems of dryness in the hair. This may dry the skin of the head and cause dandruff. Also, hair texture can get damaged.
 - * When you use a hair dryer, the hair follicles get damaged due to heat, it becomes fragile and it opens the pores of scalp that increases the hairfall in a long run. Anything that is heat destroy the hair.
 - * It makes the hair frizzy but many people do use it for styling purpose. But proper care of hair would not need to be styled.
- You should do oil massage your hair, to cure

these kinds of problems....

Ceramic dryers are often thought of as the safest for hair, but purchasing dryer with tourmaline technology can be even safer because it helps prevent damage by targeting water droplets as opposed to just applying hot air.

Hence it is good to use ceramic dryers in our daily life...