

# HYPOTHETICAL DESIGNS OF MACHINES

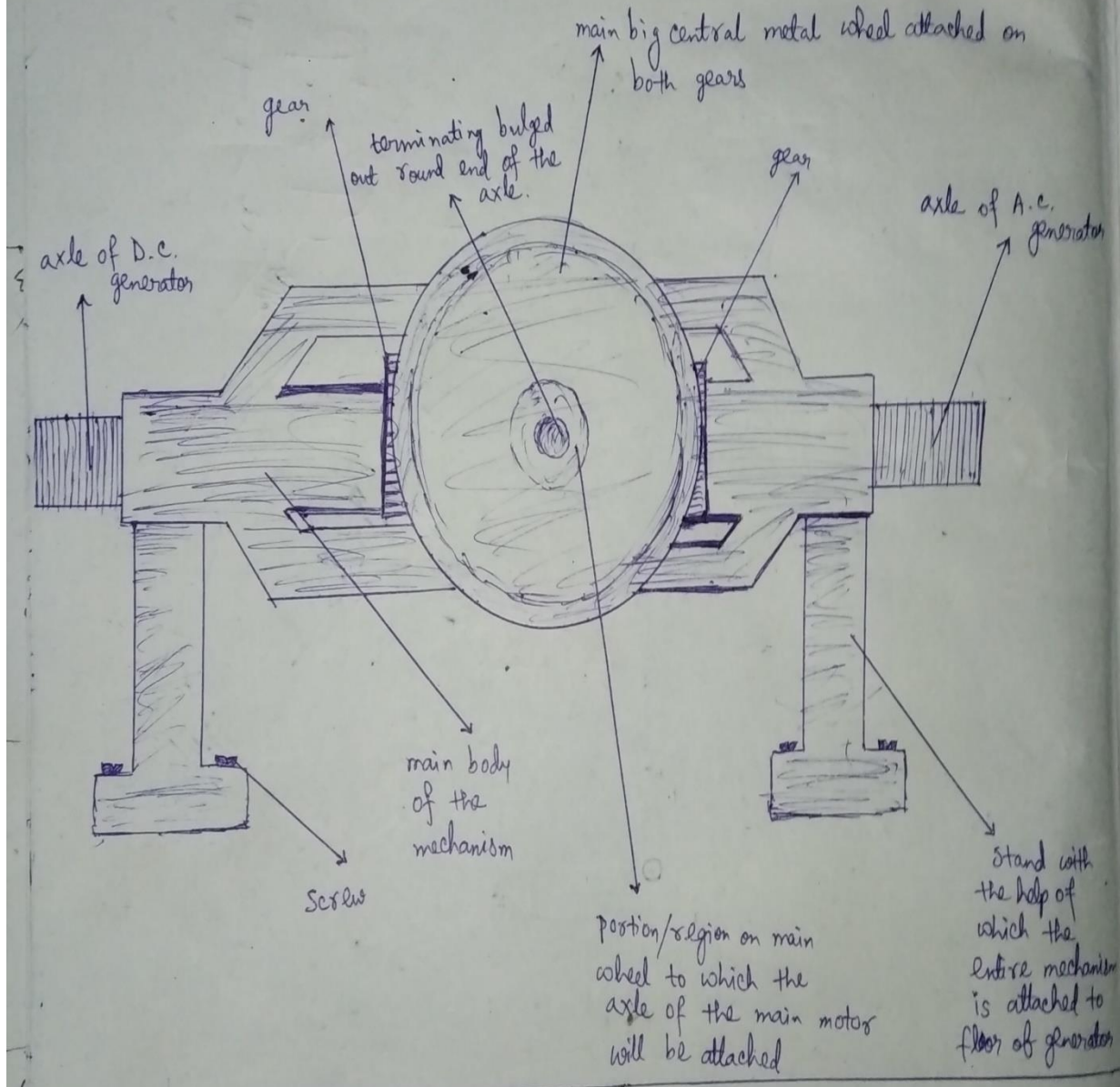
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USING HAND DRILL MECHANISM TO DESIGN NEW MODEL OF ENERGY-EFFICIENT, SELF-RUNNING ELECTRIC GENERATOR

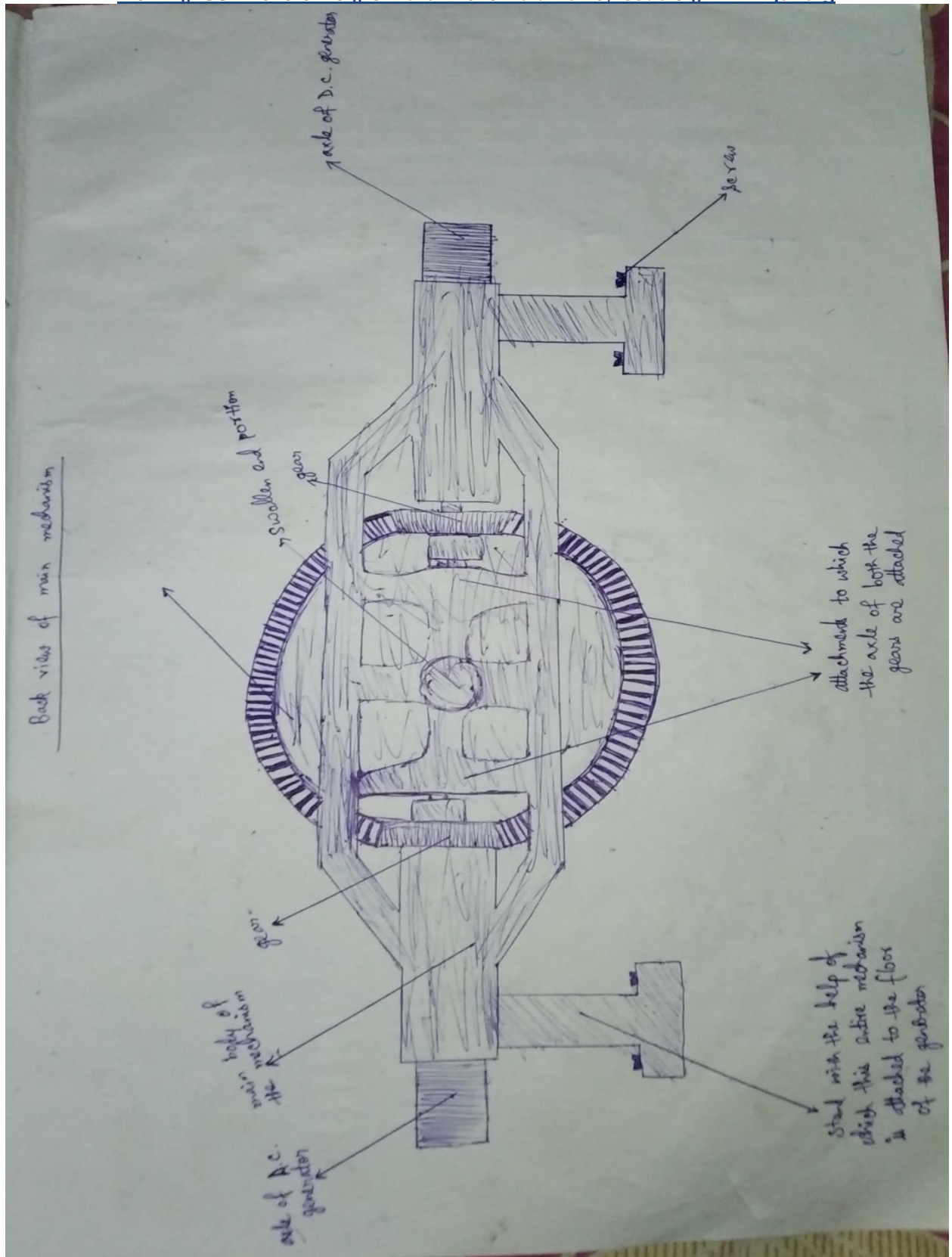
This is a new model of a self- running electric generator. This machine can produce electricity continuously without the application of any other external agent or external source of energy. This machine's main mechanism is based on the mechanism of hand drill. This machine consists of a very powerful D.C. motor, 1 A.C. generator, 1 D.C. generator, the main gear mechanism and a power supplier/battery. All these components should be fitted on the top of a wooden platform. 2 axles should be extended from both the gears of the main mechanism. The power supplier/battery should be half charged or fully charged so that its energy can be continuously used by the main motor to drive the entire machine to produce electricity continuously. The D.C. generator used in

Using the hand-drill mechanism to  
make the model of self-running,  
energy-efficient electric generator

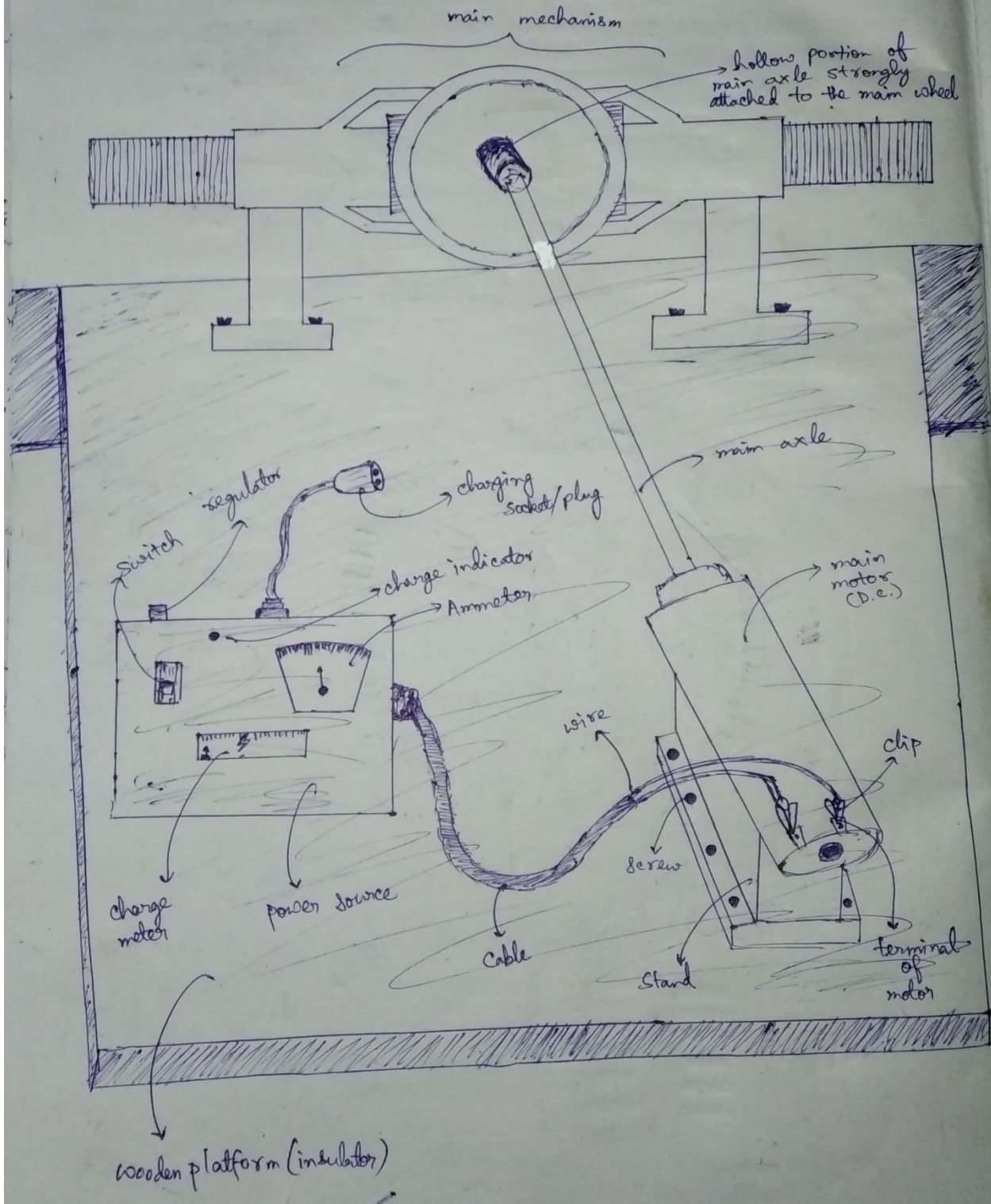
Front view of main mechanism.

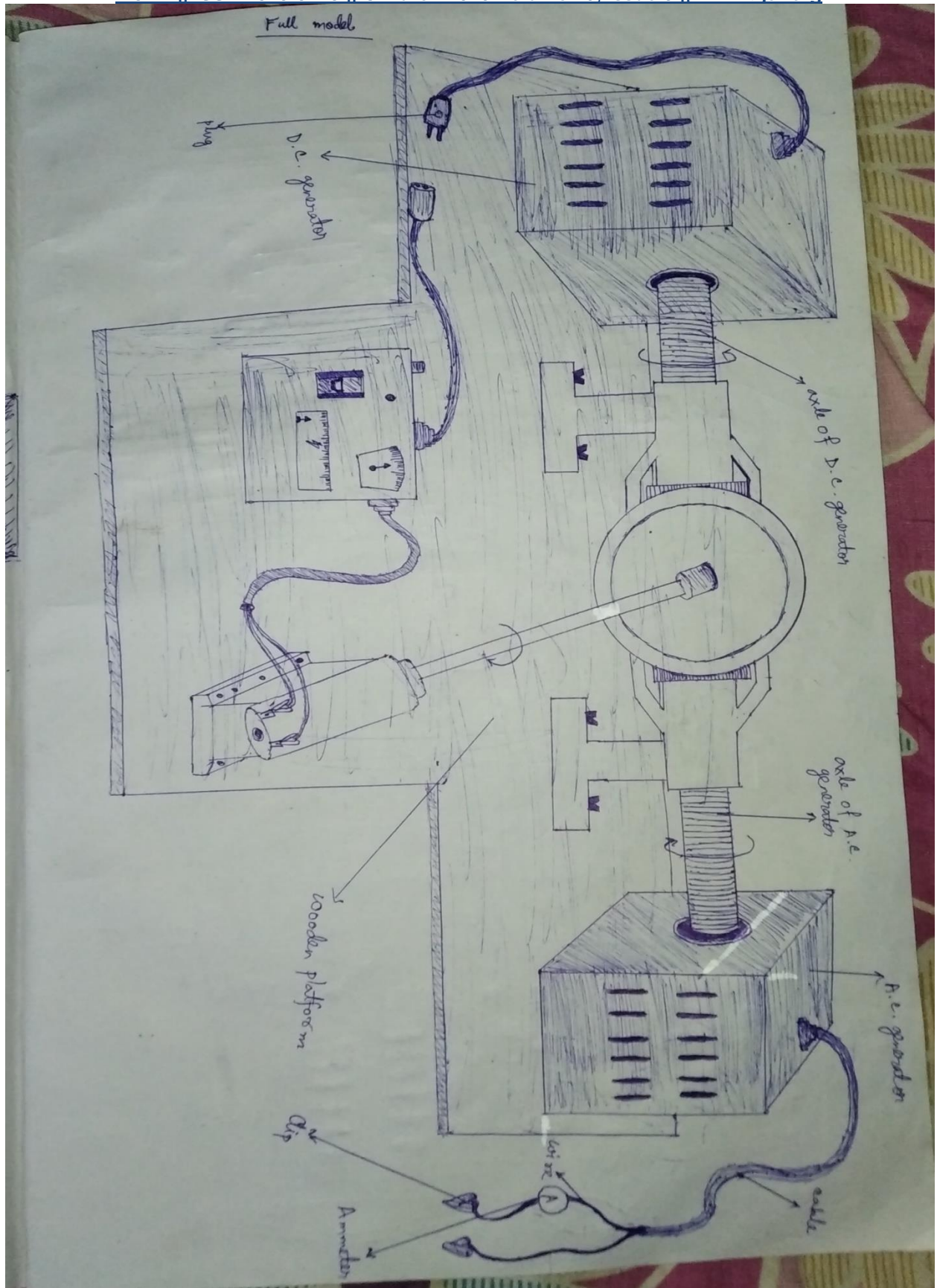


this machine should be small and its sole purpose is to produce only enough electricity that can be used to charge the power supplier/battery and to keep the entire process stable. The A.C. generator should be powerful so that appreciable amount of electric current can be produced as a result. If needed, a D.C. generator can be placed in place of the A.C. generator. When turned on, the power supplier/ battery's charge will be utilized by the main motor to rotate the main wheel and to drive the main mechanism due to which the axles of both the generators will be rotated. The A.C. generator will produce electricity that will be the output while the electric current produced by the D.C. generator will be only used to fill the charge of the power supplier/ battery due to which the entire process will be continued while electric current will also be produced continuously. In this way, the normal hand drill mechanism can be utilized to create this new machine that will run on its own and will produce electricity.



Full model (excluding generators and including motor)



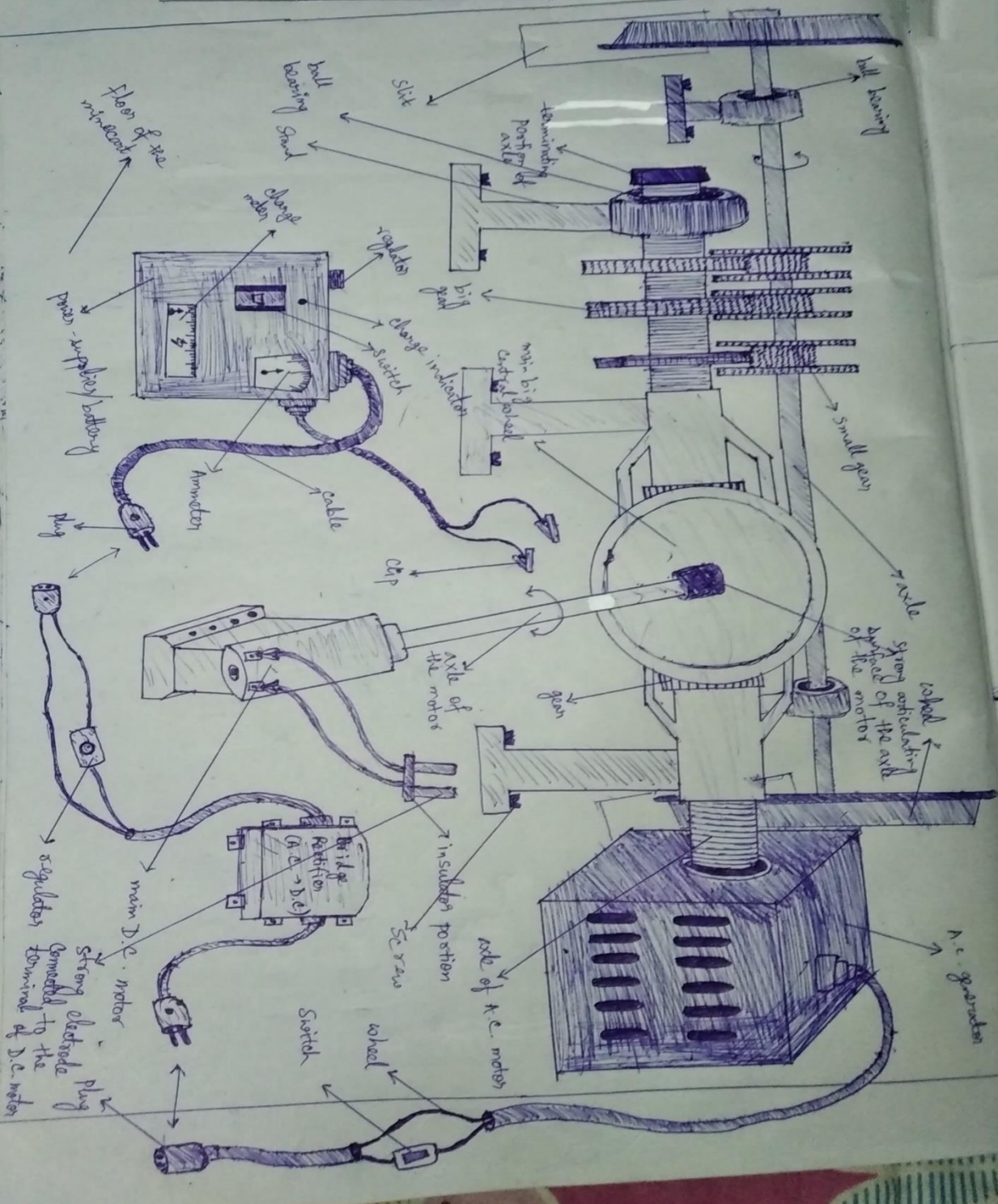


**USING THE HAND DRILL MECHANISM TO DESIGN A NEW MODEL OF ENERGY-EFFICIENT, SELF-RUNNING  
MINECART**

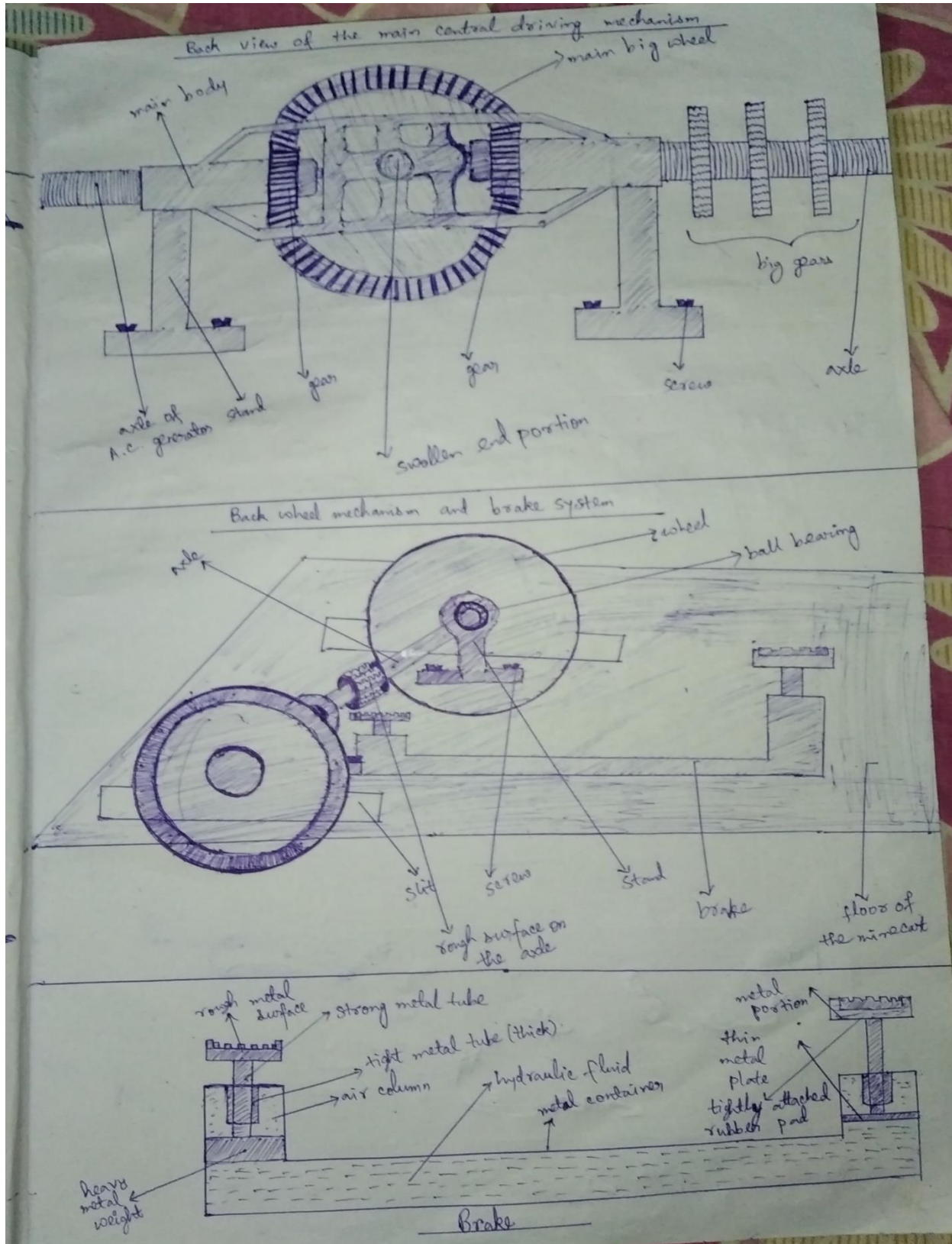
This is a new model of self-running mine cart. This mine cart has various facilities and is also very convenient to use. The main mechanism used in this model is that of a hand drill. Due to this, no external energy is needed to drive this mine cart. The mechanism present in this mine cart will work in such a way (during driving) that the mine cart will move and it will recharge its battery/power supplier at the same time due to which there is no loss of energy. This mine cart is also designed in such a way that it can carry extra crew members along with other necessary items beside the main mining items. The power supplier/battery should be half charged or fully charged because its charge will be used again and again to drive the entire mechanism. The current produced first while driving the mine cart is A.C. current but it

Using hand drill mechanism to design the new model of self-running, energy-efficient minecart

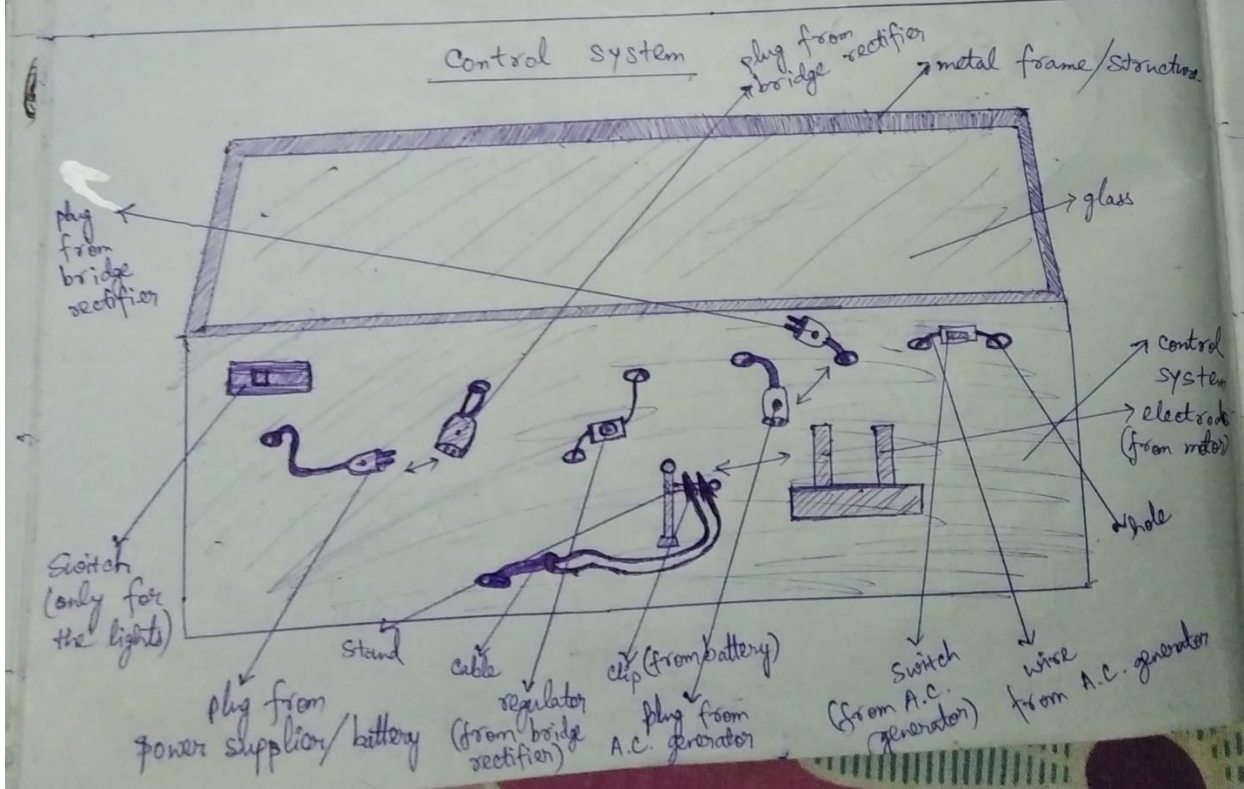
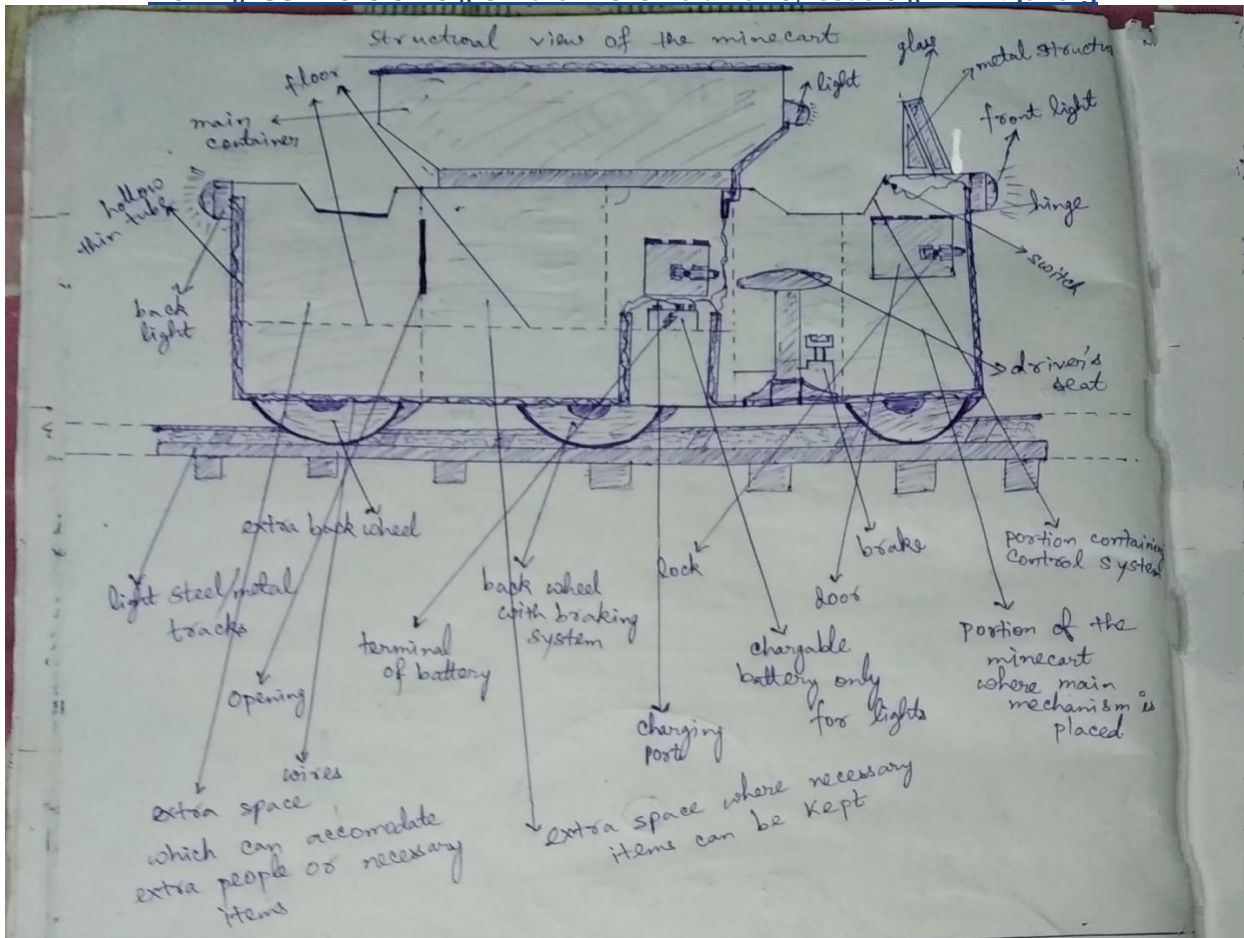
Front view of the main mechanism





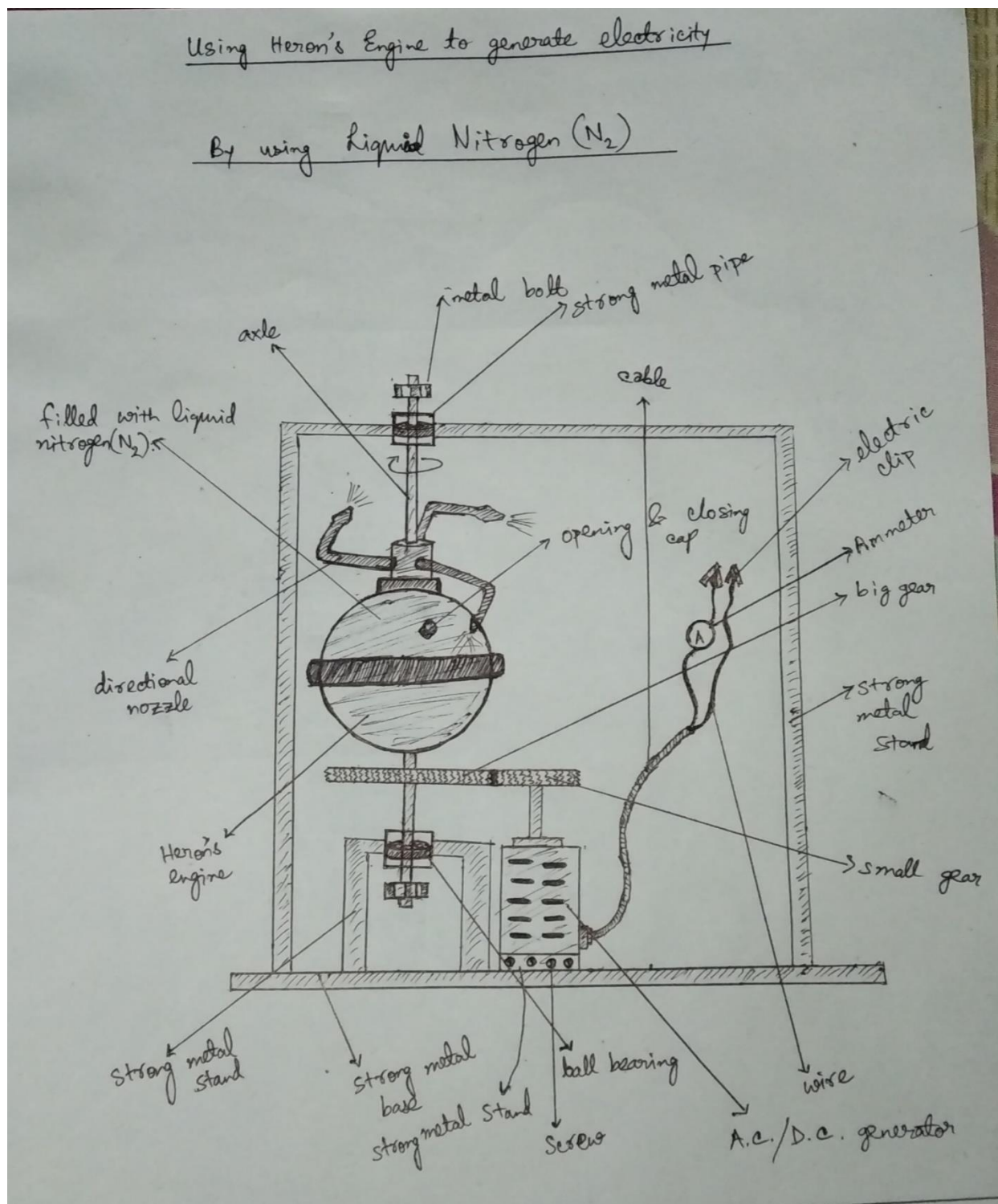


converted into D.C. current by a bridge rectifier which is used to charge the power supplier/battery. There is no steering mechanism present in this mine cart. There are 2 electrodes attached to the 2 terminals of the D.C. motor. When the 2 electric clips from the power supplier/battery will be attached to the electrode, the axle of the D.C. motor will turn in a particular way which in turn drive the entire mine cart in a particular direction. If we just change the electric clips attached to each of the electrodes, the axle of the motor will turn in the other direction which will lead to the movement of the entire mine cart in opposite direction. This is due to the fact that the direction of the movement of the axle of the D.C. motor depends on the direction of the D.C. current. The lights that are present in this mine cart will be connected to a single rechargeable battery. In this way, this entire mechanism of this mine cart works and make it self-running & energy-efficient.



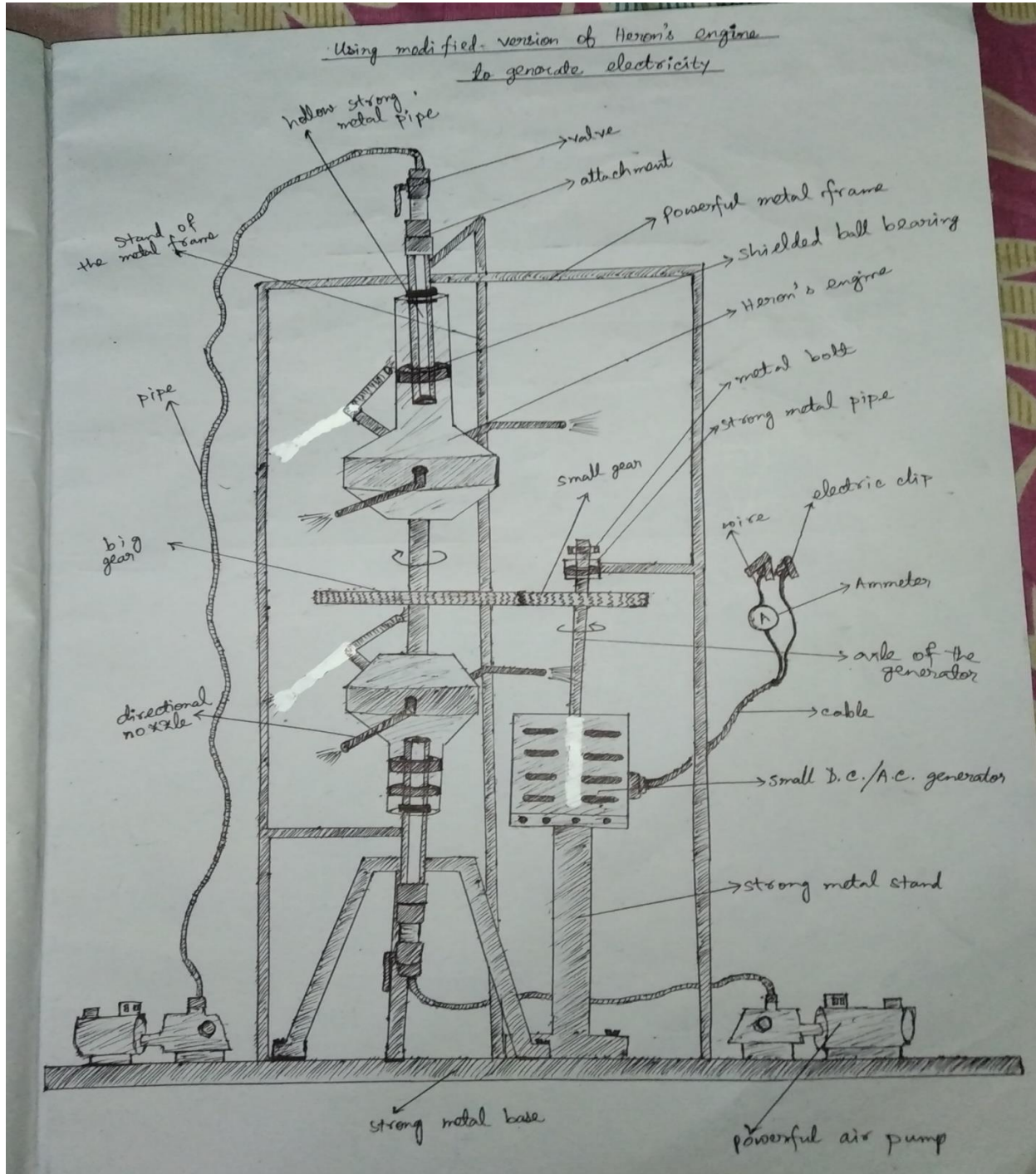
USING HERON'S ENGINE TO GENERATE ELECTRICITY

This is a very simple mechanism in which a simple Heron's engine is being used to generate electricity in very small amount in short interval of time. We know the fact well that when liquid nitrogen is put into Heron's engine, it makes the Heron's engine to spin rapidly for a short interval of time. So, in this mechanism, Heron's engine is filled with liquid nitrogen to spin it rapidly and a simple gear system is used to utilize the power to turn the axle of the generator to generate electricity. The material from which the Heron's engine, the ball bearings and the metal stand are made from should be very strong and should also be capable of working effectively in low temperatures. The electric generator used in this mechanism should be small and can be either an A.C. or D.C. generator. An ammeter is also attached to one of the wires of the electric generator.

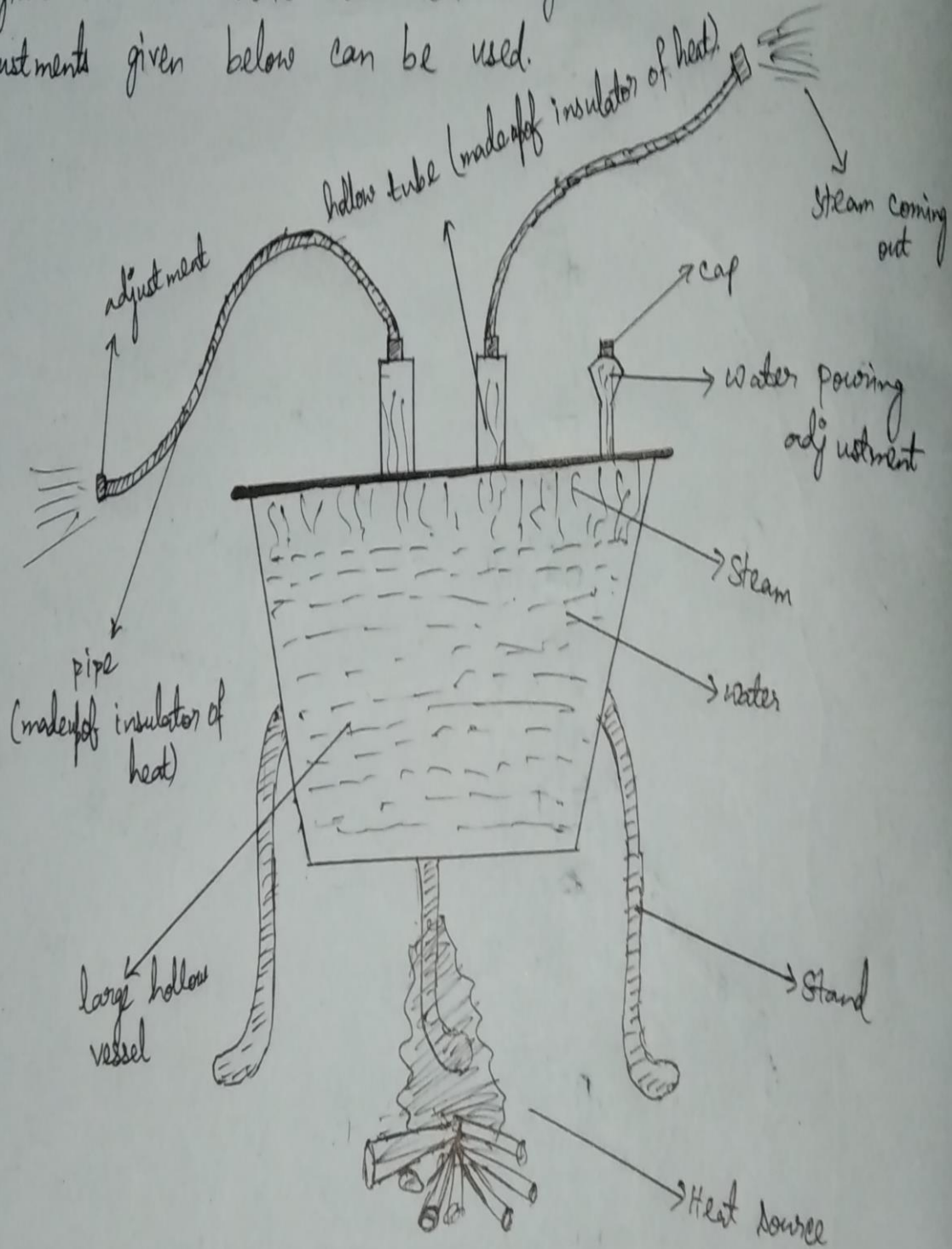


USING MODIFIED VERSION OF HERON'S ENGINE TO GENERATE ELECTRICITY

This mechanism is very simple which can be used to generate electricity on a small scale for a considerable amount of time as long the user want. The main things that can be used to run the mechanism are either steam or air. For using air to run this mechanism, 2 powerful air pumps will be used. In this mechanism, all the ball bearings used are shielded ball bearings so that no air or steam used in this mechanism can escape. In this mechanism, 2 modified versions of Heron's engines are used. The electric generator used in this mechanism should be small and can either be A.C. or D.C. generator. Since air or steam can be used to drive the entire mechanism, the entire mechanism can be run as long as the user want. An Ammeter is also attached to the wire of the electric generator so that the amount of electric current produced in a particular time period can be known.



If steam is used as the main driving force of the Heron's engines in the above mechanism to generate electricity, the adjustments given below can be used.



**USING MODIFIED VERSION OF HERON'S ENGINE AND LIQUID NITROGEN TO GENERATE ELECTRICITY**

This mechanism involves one single slightly modified Heron's engine along with liquid nitrogen to run 2 electric generators for producing electricity for as long as the used want. This mechanism also involves a liquid nitrogen pump and liquid nitrogen tank. The ball bearings used in this mechanism should all have shields (coverings). The electric generators used in this case should be small and they can either be A.C. or D.C. generators. The inner wall of the Heron's engine, the inner walls of the solid metal pipe and the circular disc with central hole in it should be made from such a material that can easily withstand extremely low temperatures (even in contact with liquid nitrogen) so that the entire mechanism can run smoothly.

Using modified version of Heron's engine and liquid nitrogen to generate electricity

