

[Iraqi nuclear bomb] IAEC

This is the Explosive material to push the upper parts Downwards to make insertion between the upper parts I and the lower parts II

The upper part of the critical Mass contain Boron Rods it will stay in the same position when the pushing Rods push the U²³⁵ Rods

Cylinder like a grid consist of 4 thick Disk 5cm thickness with holes to carry the moving zircaloy tubes which contain fuel U²³⁵ as pellets and fixed Boron Rods as a good absorber of neutrons to make the fuel U²³⁵ safe, when the upper grid moves down ward it push the fuel rods to take place of the Red Colour of the lower pieces of Boron Rods.

The Boron Rods Containers like containing tubes.

out side view of Iraqi nuclear bomb white color painted *** Tested in 1989 April 6th at 10 o'clock AM south west mosaibe

L = 186 cm
D = 72 cm

Electrical Discharge supply (for ignition)

HP (high pressure) Explosive Elements [Triamino Nitro Benzene]

Stainless steel shield.

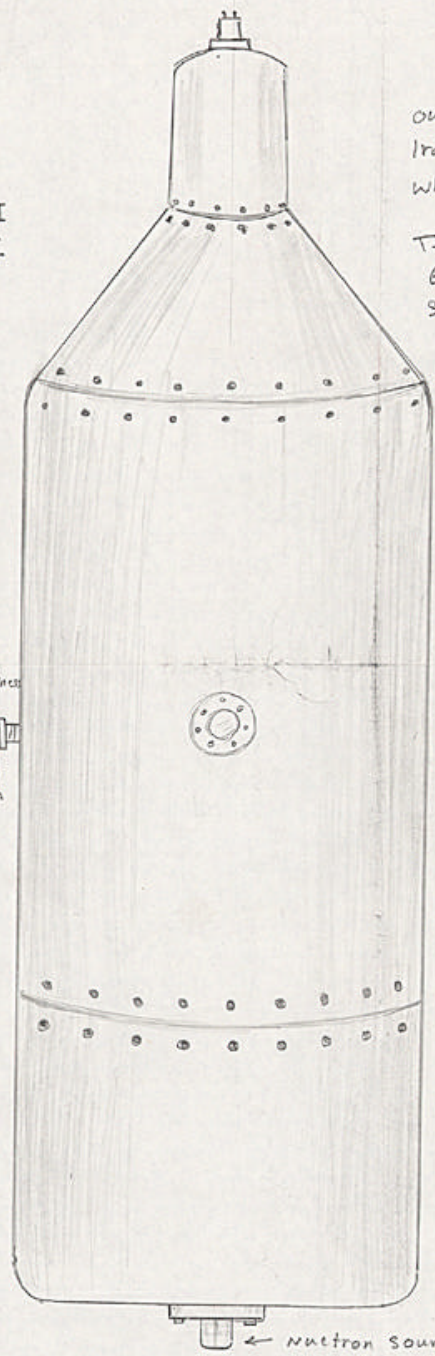
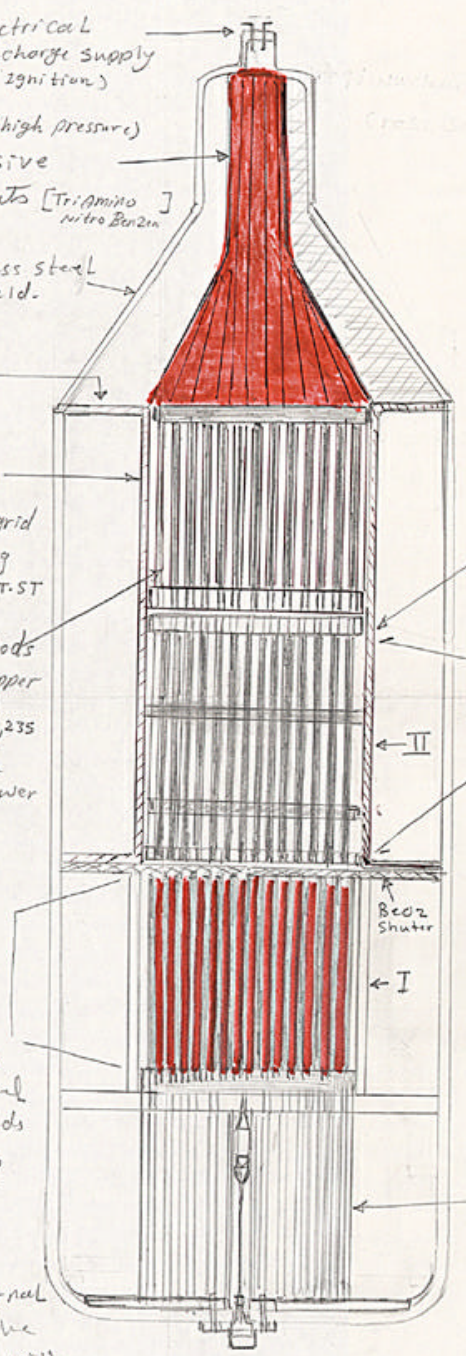
ST-ST Flang (inside)

ST-ST slide cylinder for moving the upper grid holds the pushing Rods made of ST-ST

This is the pushing Rods moving together with upper grid to push the fuel elements (fuel Rods) U²³⁵ Down wards to take place between the lower mass of U²³⁵ Rods

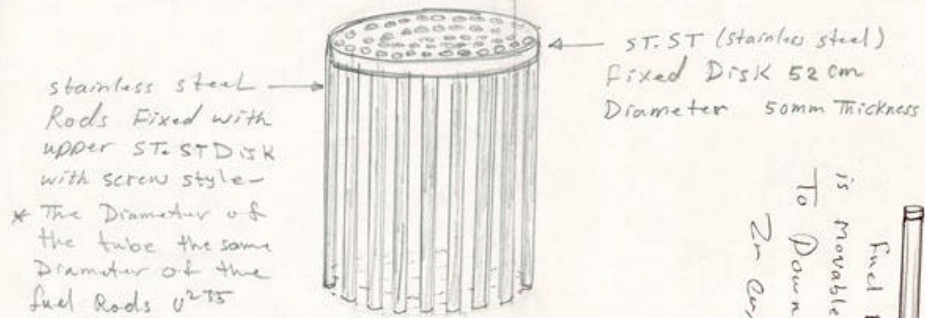
Critical Volume Containing a part of the critical mass This consist of tubes of Zircaloy filled with U²³⁵ 93% enriched fuel and between the fuel rods there is Boron Rods to make the lower part of the bomb safe too

Note, the inside or internal surfaces of the core of the critical volume coated with BeO₂ Beryllium oxide material.

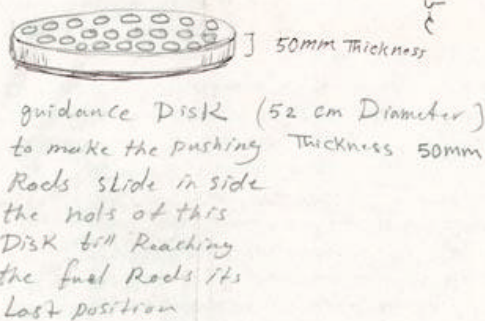


The parts of the critical Mass of the IAEC Bomb

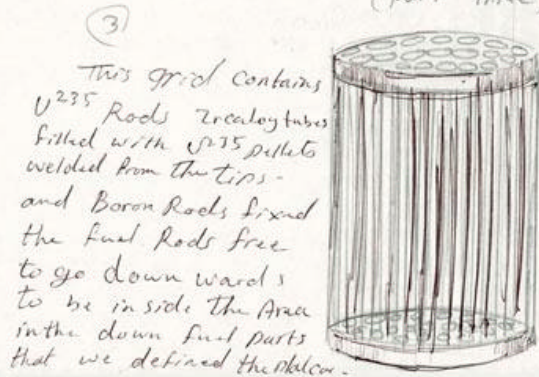
part ①
(The pushing Device)



② (part Two)



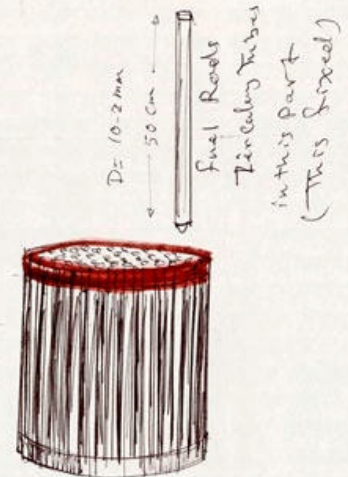
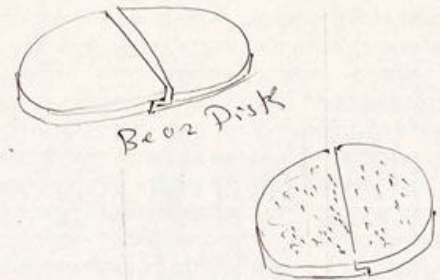
(part three)



Some explanations:
The fuel Rods easy to move from this hole to take its place in the lower parts of the fuel to complete the critical Mass, and leaving the Boron (neutron absorption) Rods and when the U^{235} Rods control with fuel U^{235} in the chain Reaction stated.

Fuel Rods here is movable from up place to Down place
Zircaloy Tube

movable pieces of Beor shield.



The lower part of critical Mass of U^{235} 93%