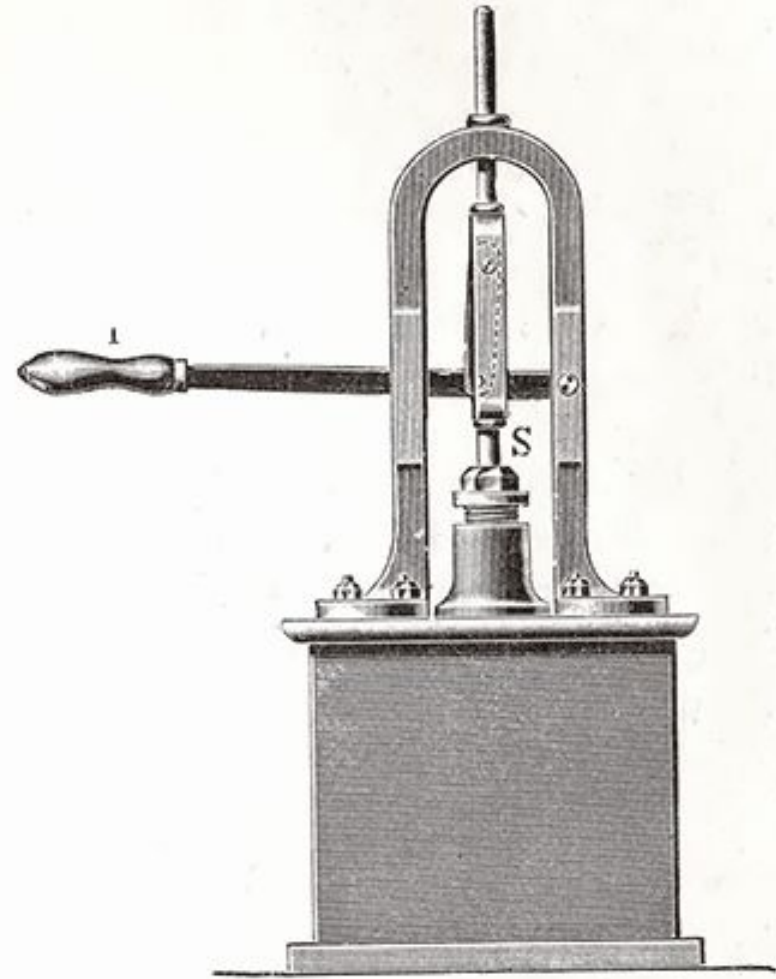
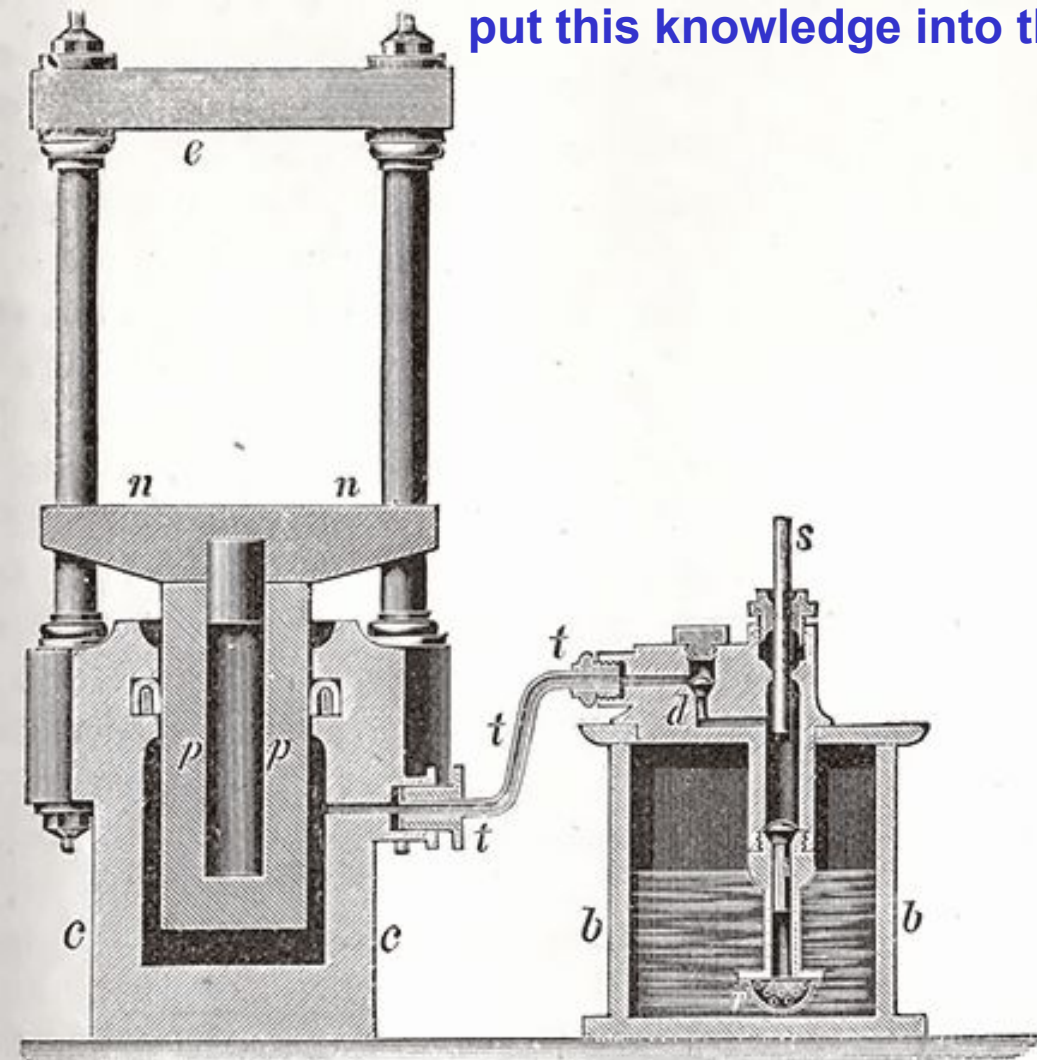


# Hydraulic press



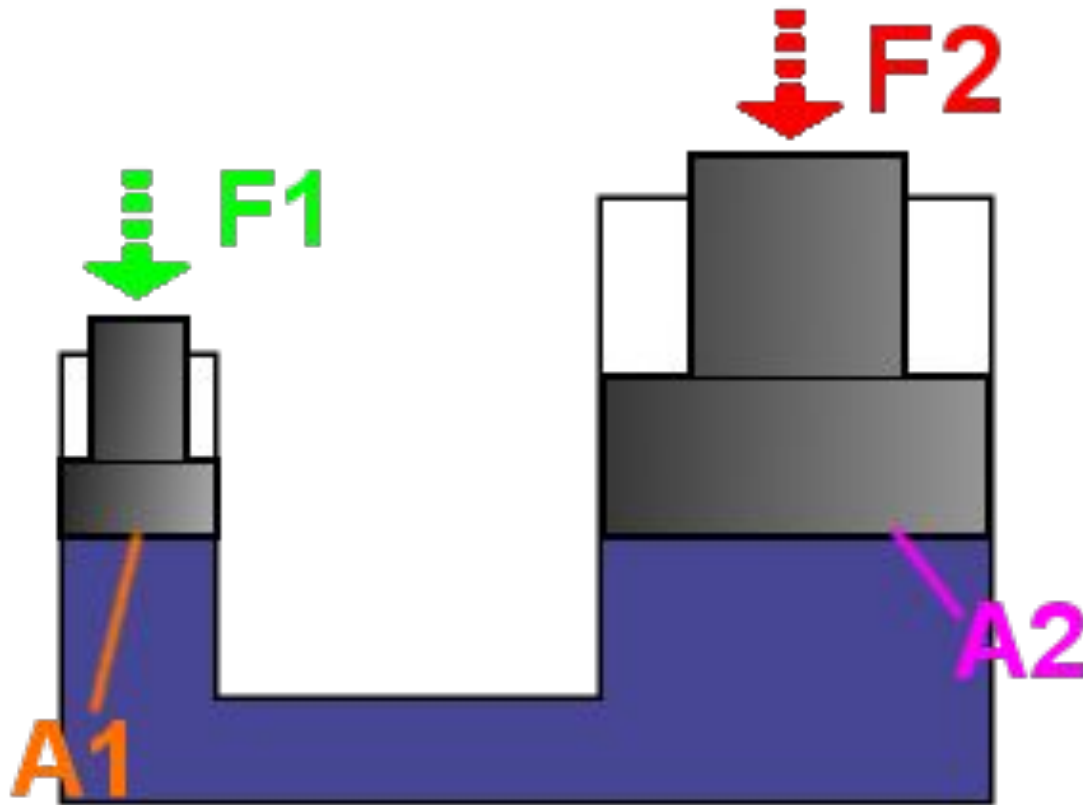
**Kalinichenko Olexii**  
**MA-82**

A hydraulic is a machine (see machine press) using a hydraulic cylinder to generate a compressive force. It uses the hydraulic equivalent of a mechanical lever, and was also known as a Bramah press after the inventor, Joseph Bramah, of England. He invented and was issued a patent on this press in 1795. As Bramah (who is also known for his development of the flush toilet) installed toilets, he studied the existing literature on the motion of fluids and put this knowledge into the development of the



# primitive scheme jack

$$F_2 = F_1 \left( \frac{A_2}{A_1} \right)$$



# Hydraulic press



✓wedge

✓Screw

✓lever

✓hydraulic

# Hydraulic press at factories



# *Applying of the area*



machine shop

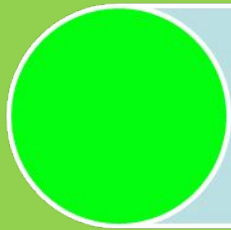


jack column

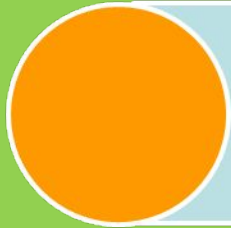


construction(al)  
engineering

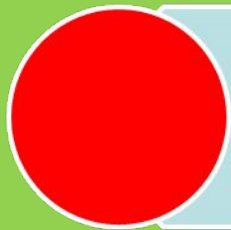
# Modes of operation and performance of the press



Light Duty (R)

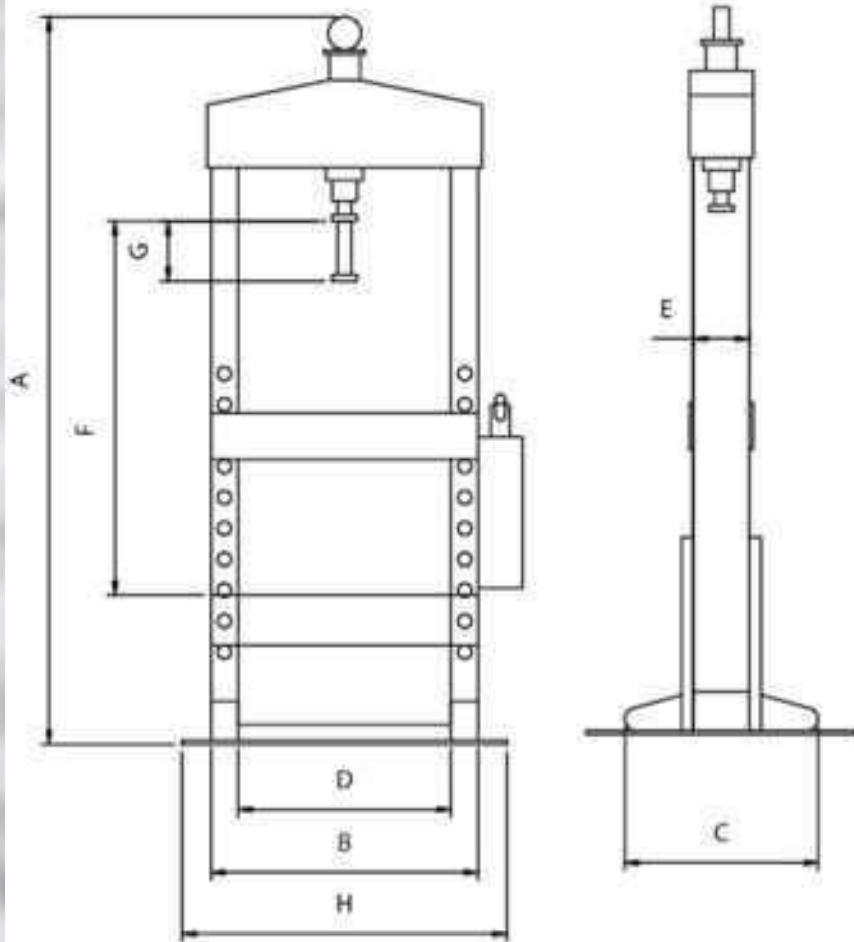


Average mode (C)



Heavy Duty (T)

# apparently loads



	653	654	655	656	658
A	1930	2030	2030	2060	2290
B	730	800	810	900	985
C	650	650	650	650	650
D	550	620	630	700	785
E	170	180	180	200	210
F-	85	65	70	115	70
F+	950	1030	1030	1020	1065
G	160	160	160	160	150
H	920	940	950	1120	1220
Kg	150	165	170	230	370



**THANK YOU FOR ATTENTION**

