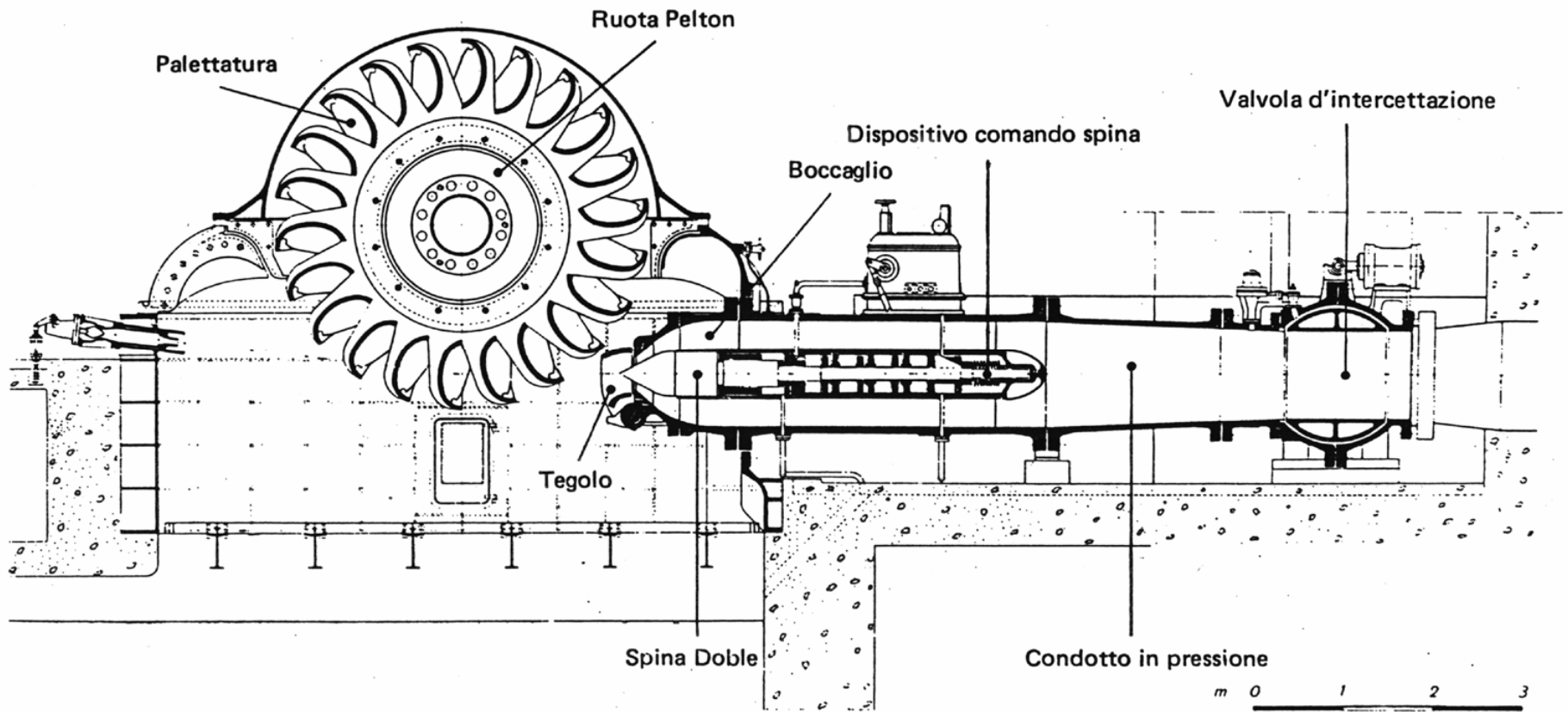
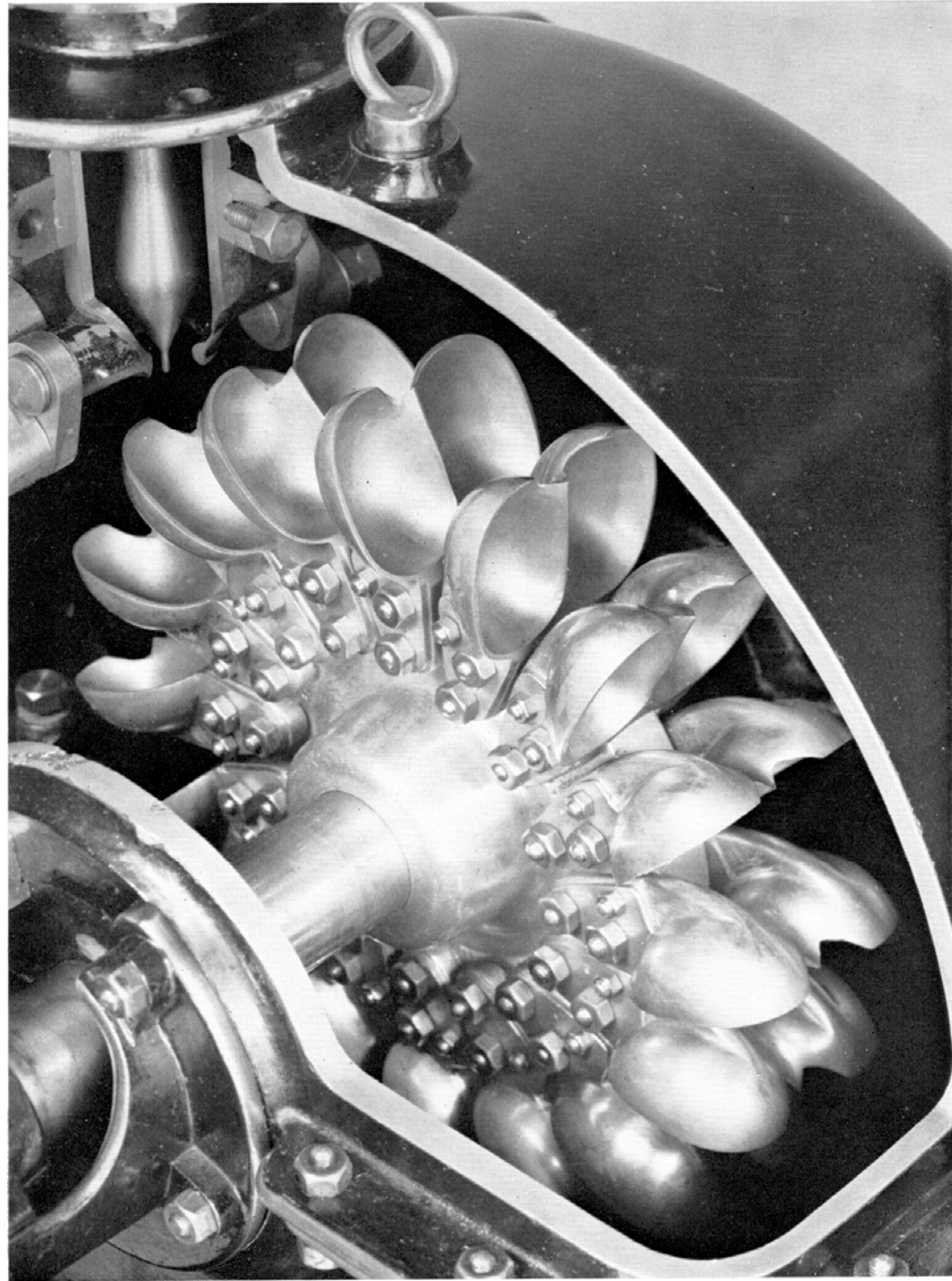


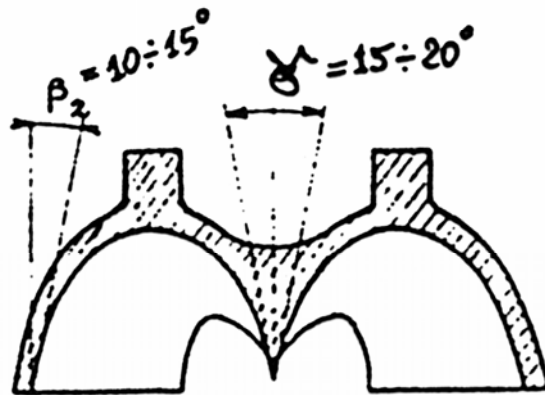
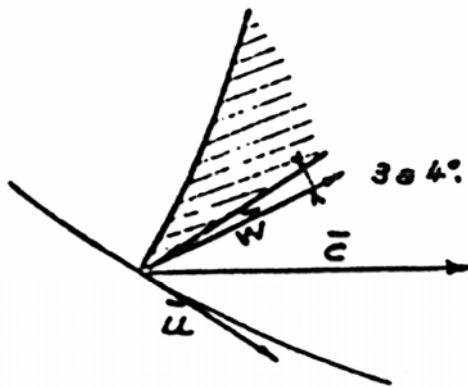
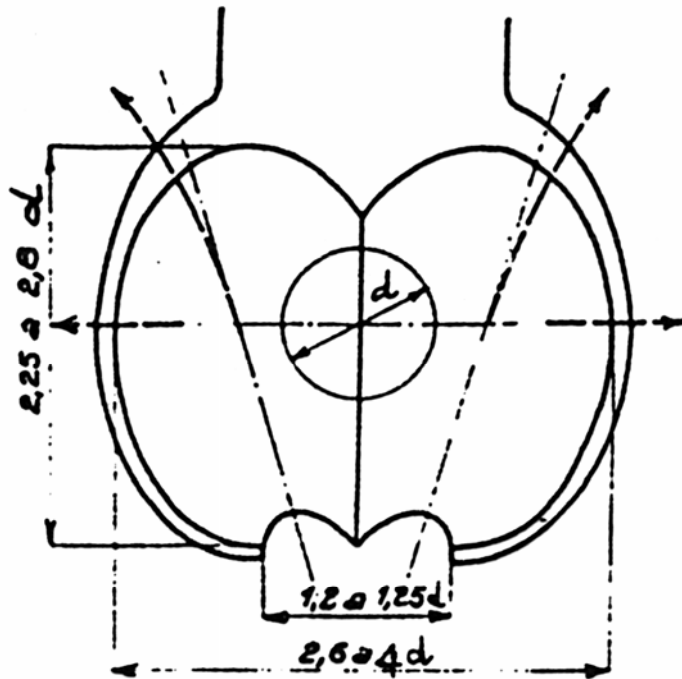
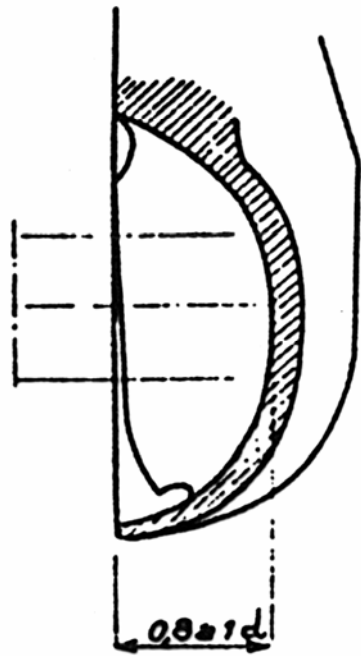
## *Lezione 8*

# Turbine idrauliche ad azione

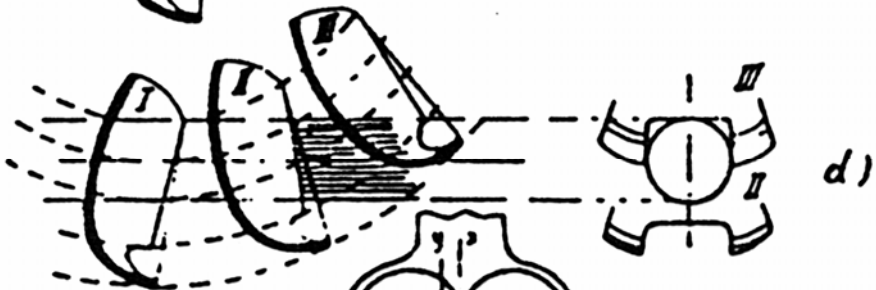
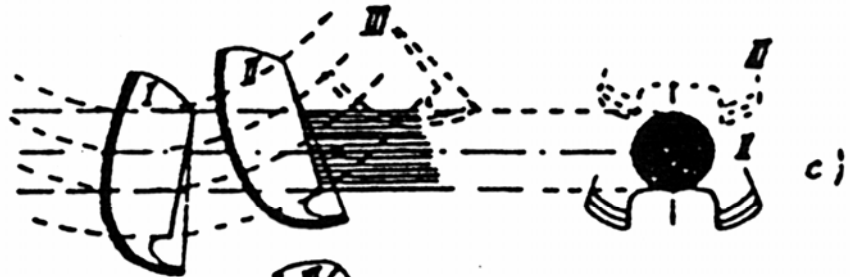
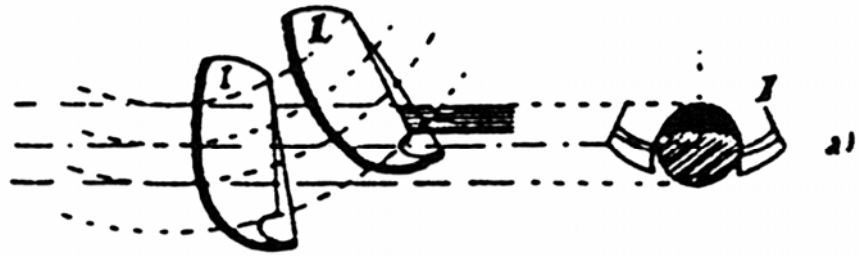
# Pelton



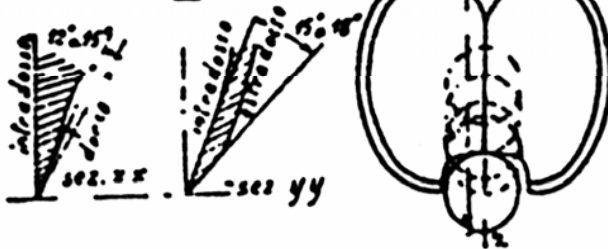




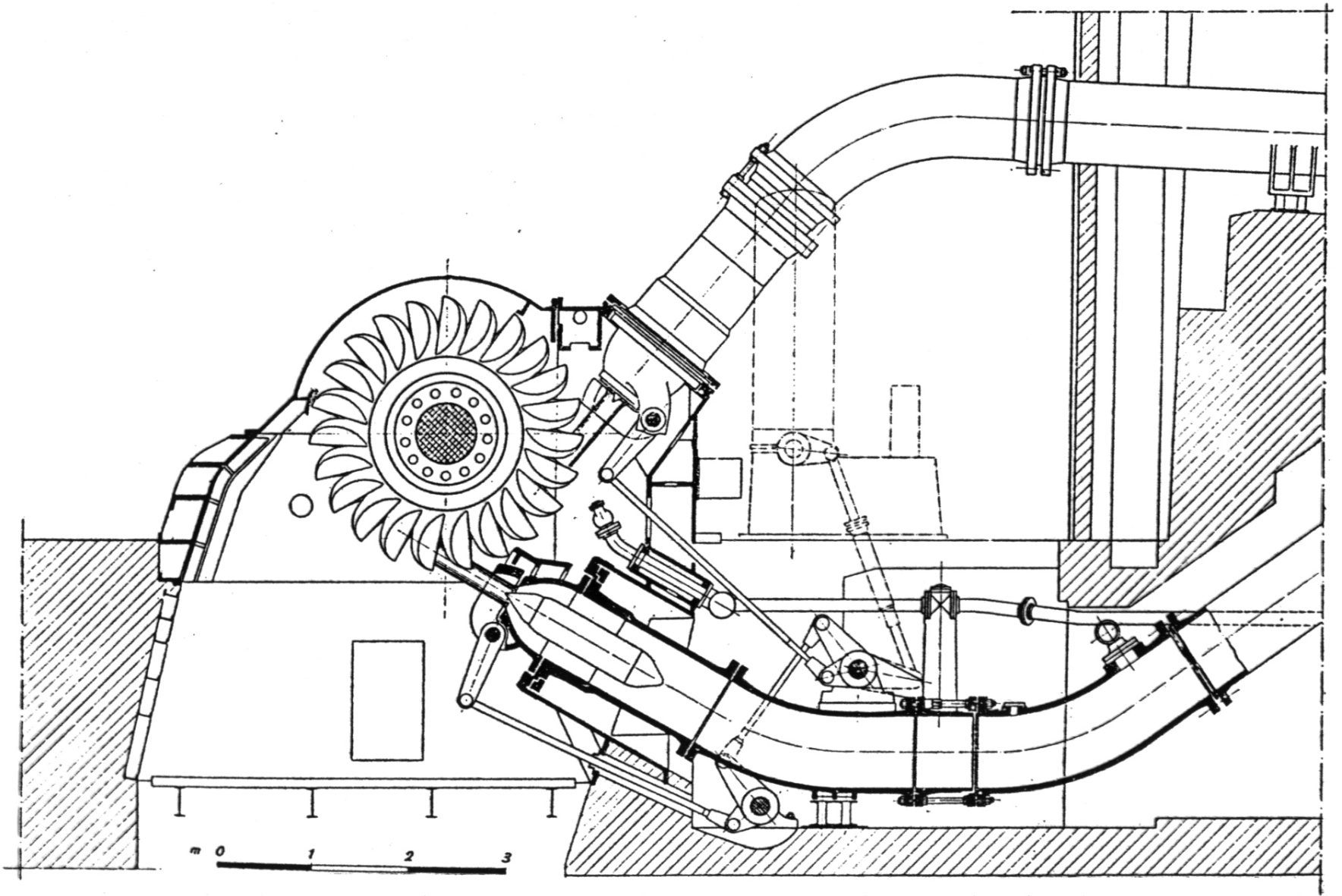
petto  
diritto  
parzializzato

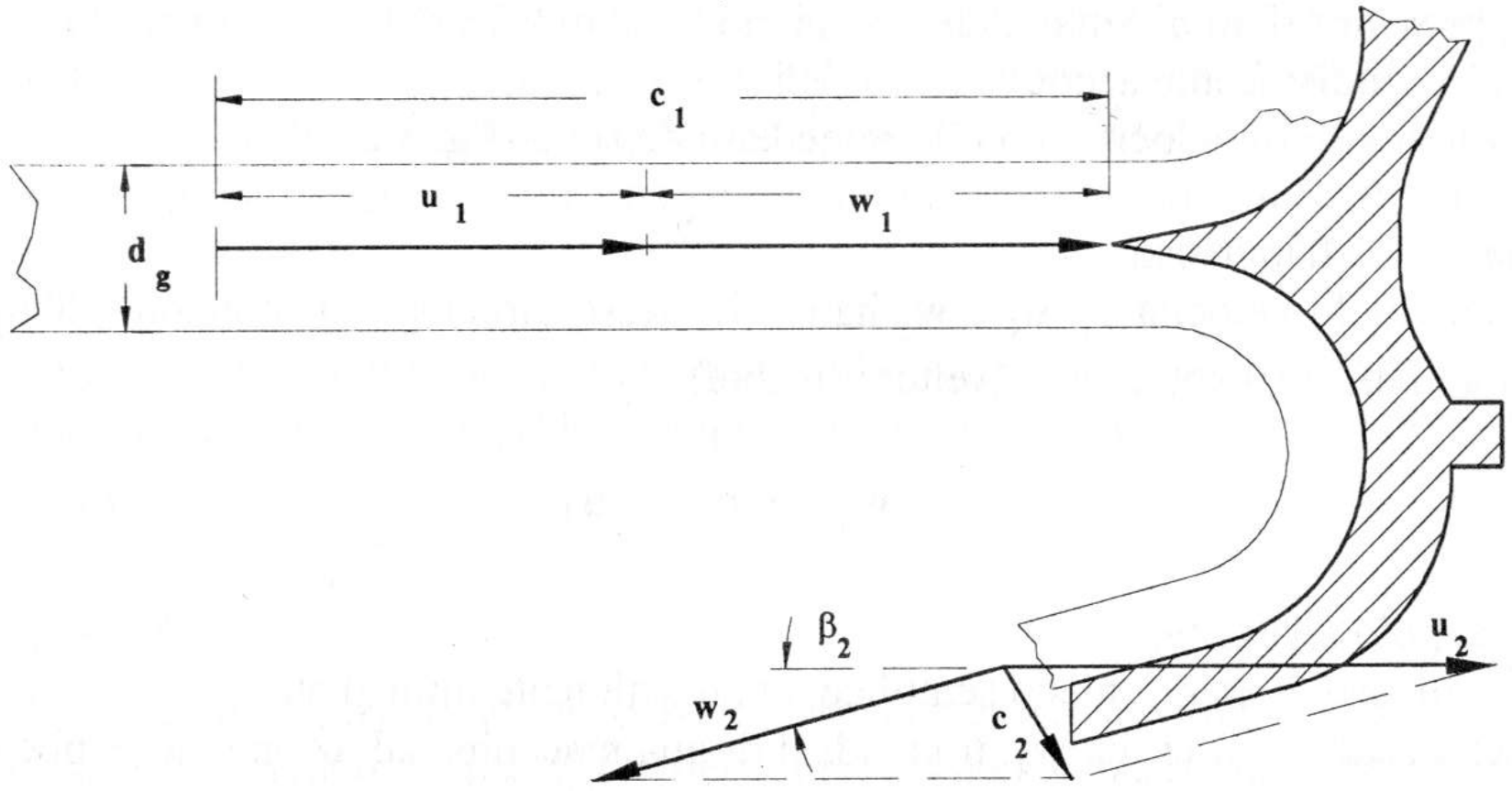
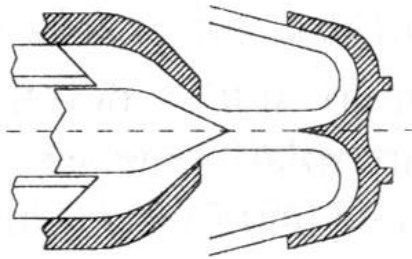


petto  
diritto  
intero

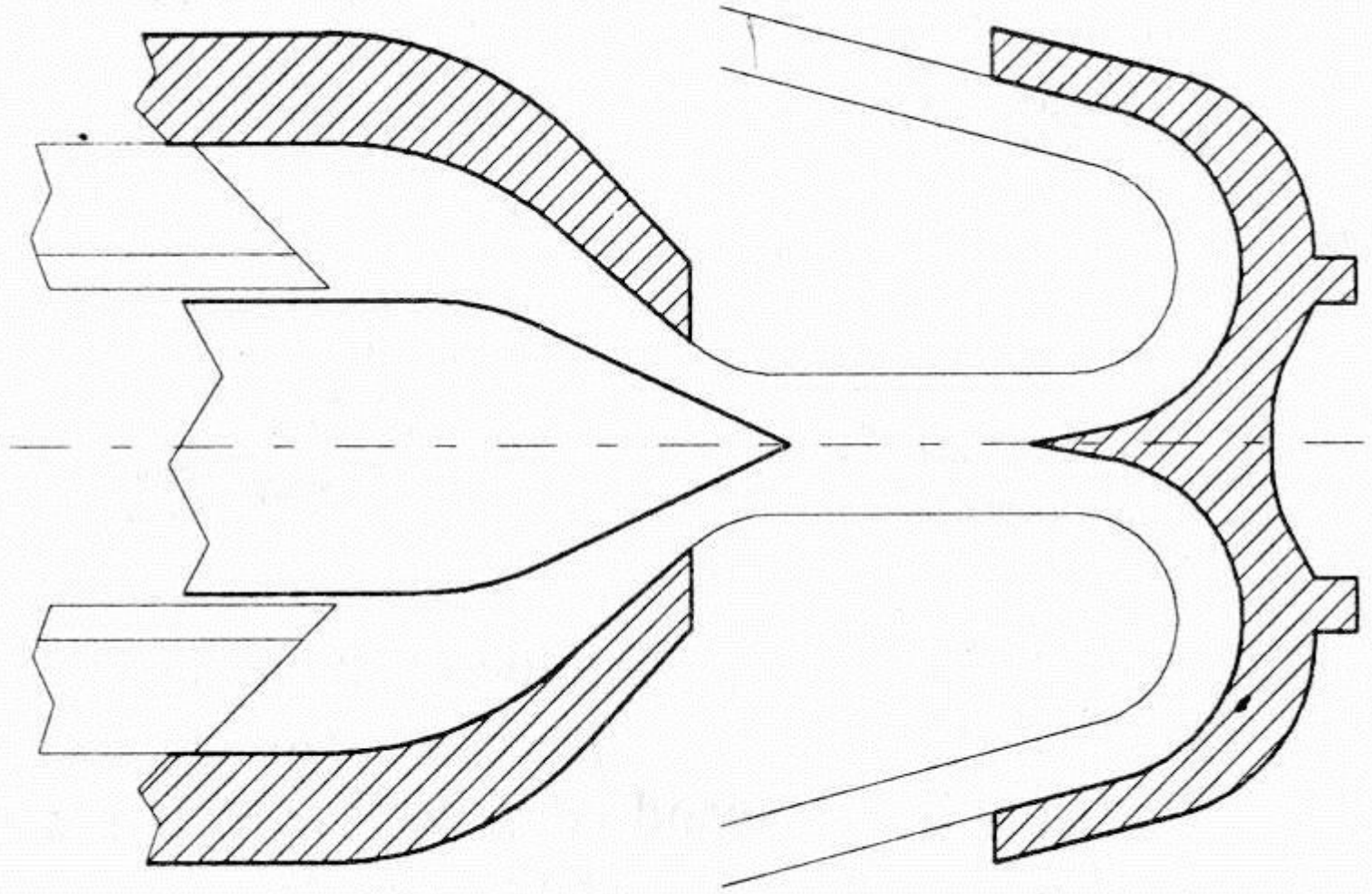


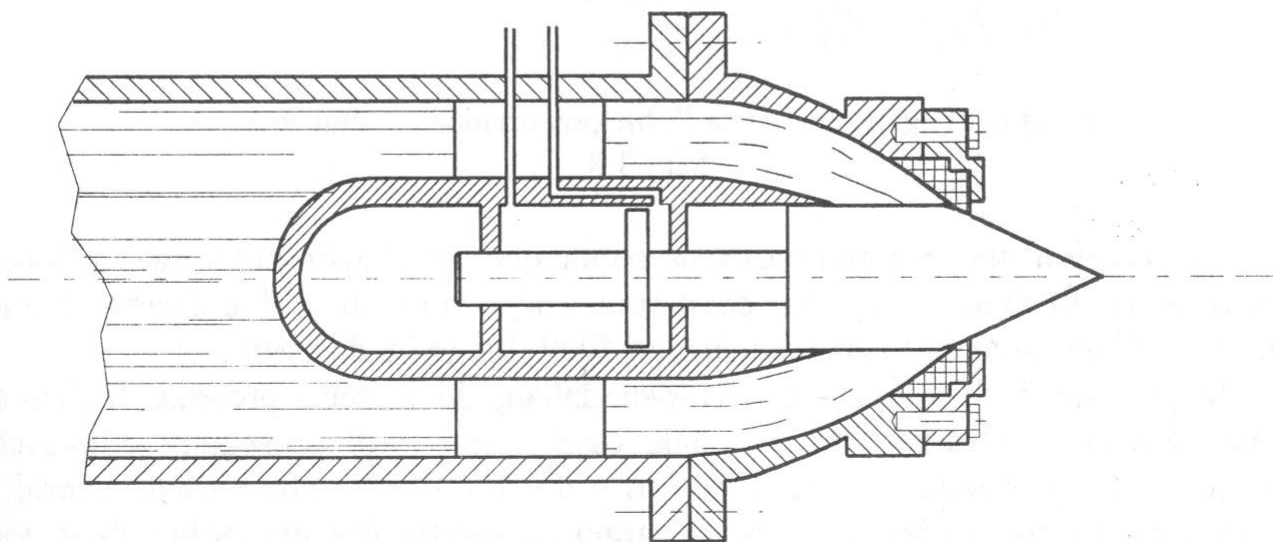
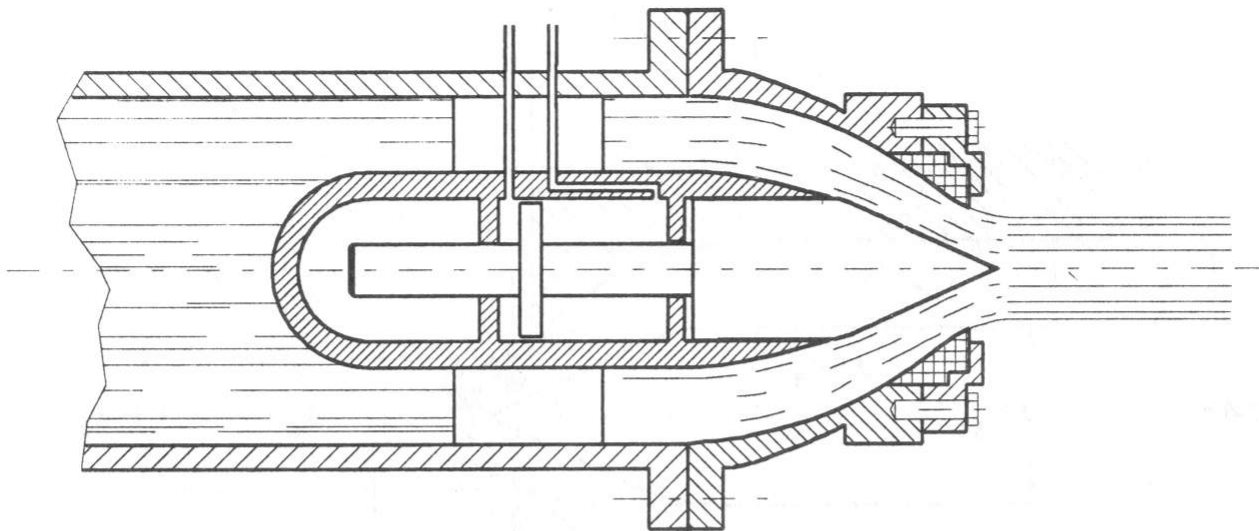




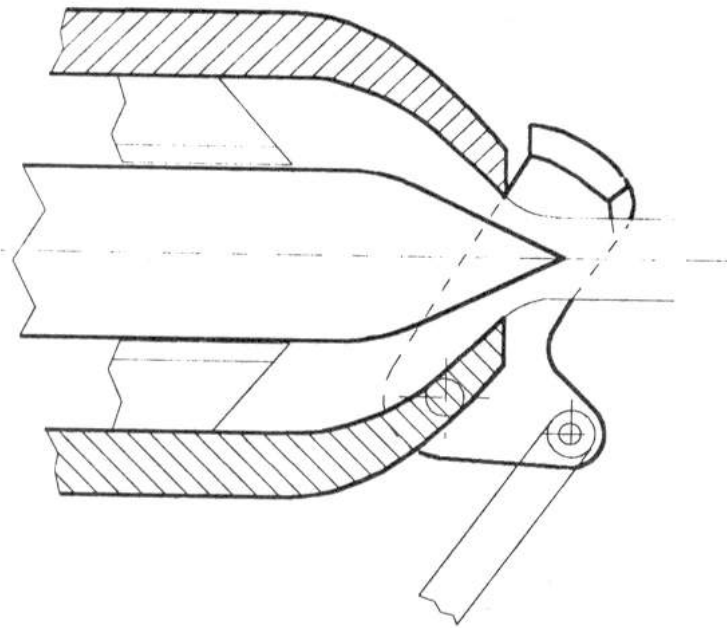




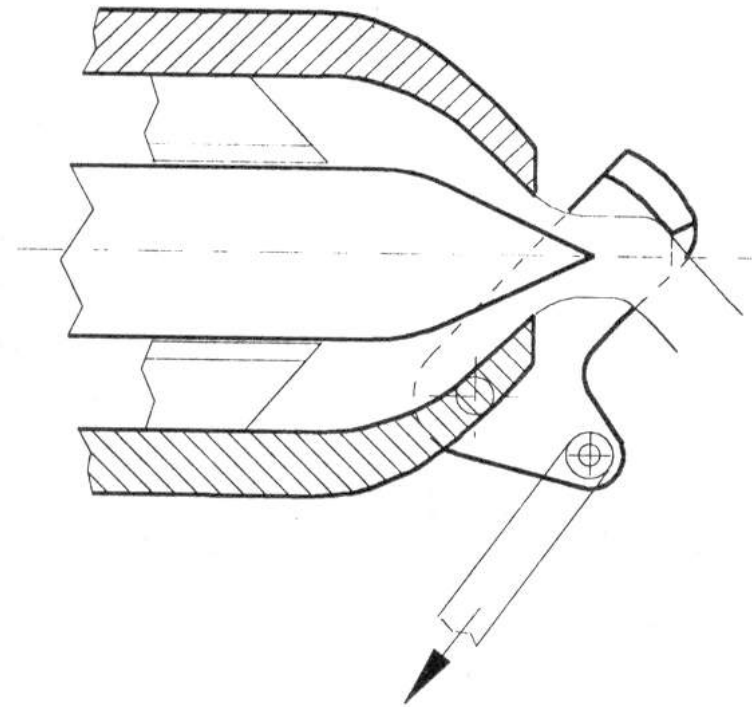




Schema di ugello Doble:  
a : in condizioni di massima apertura (portata max).  
b : in condizioni di chiusura (portata nulla).



**a**



**b**

# Banki (Ossberger)

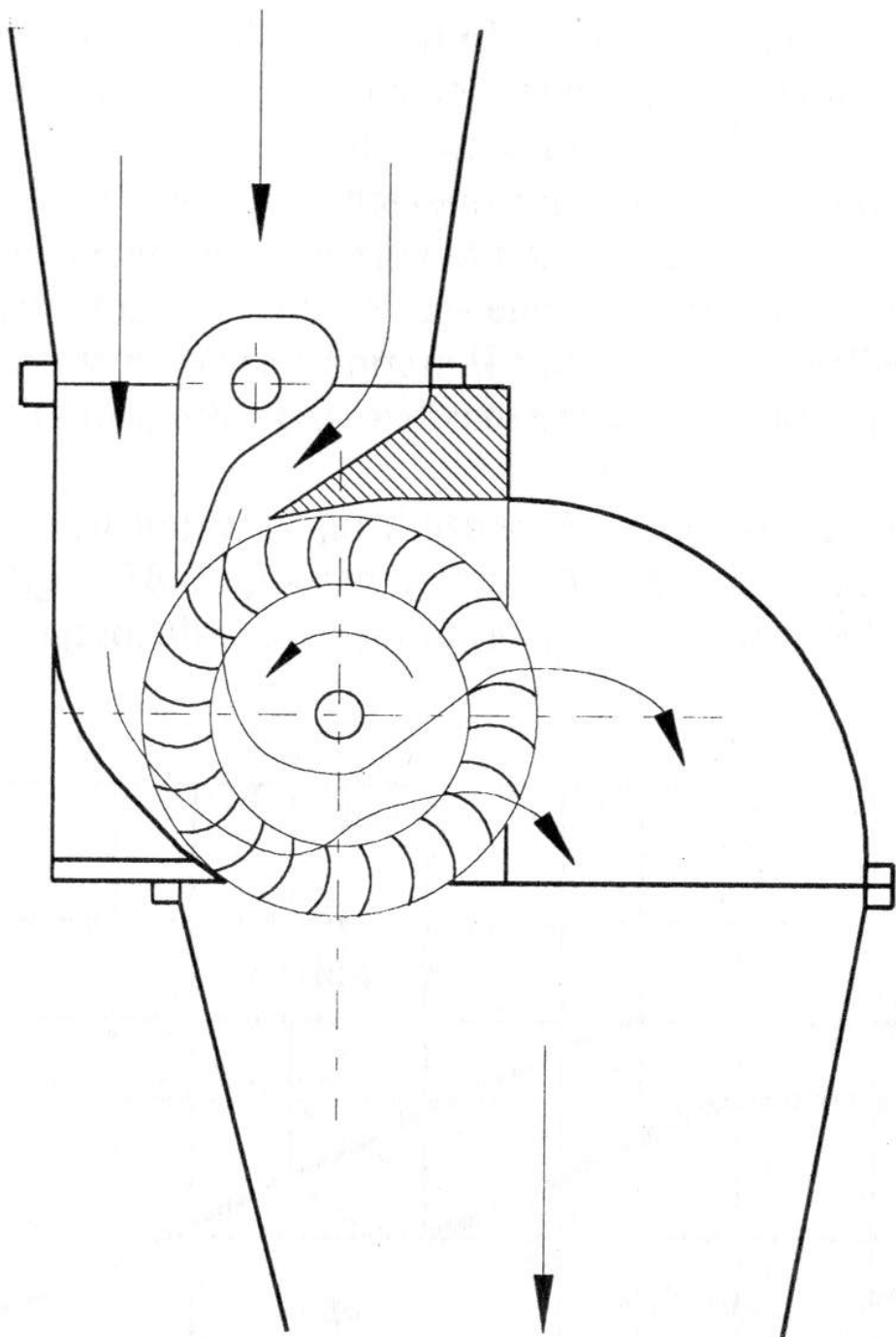


Der Australier Anthon  
Der Ungar Darus Blask  
die erste praktisch ver  
mit Rechteckstrahl.  
Seit 1922 entwickelt di  
Moderne Durchström  
für stark schwankende  
Gefälle von 1 bis 300 m  
Mit kleinen Leistungen be  
in der Francis- und Peltor  
Weil sie vergleichsweise bi  
werden sie auch in Entwic

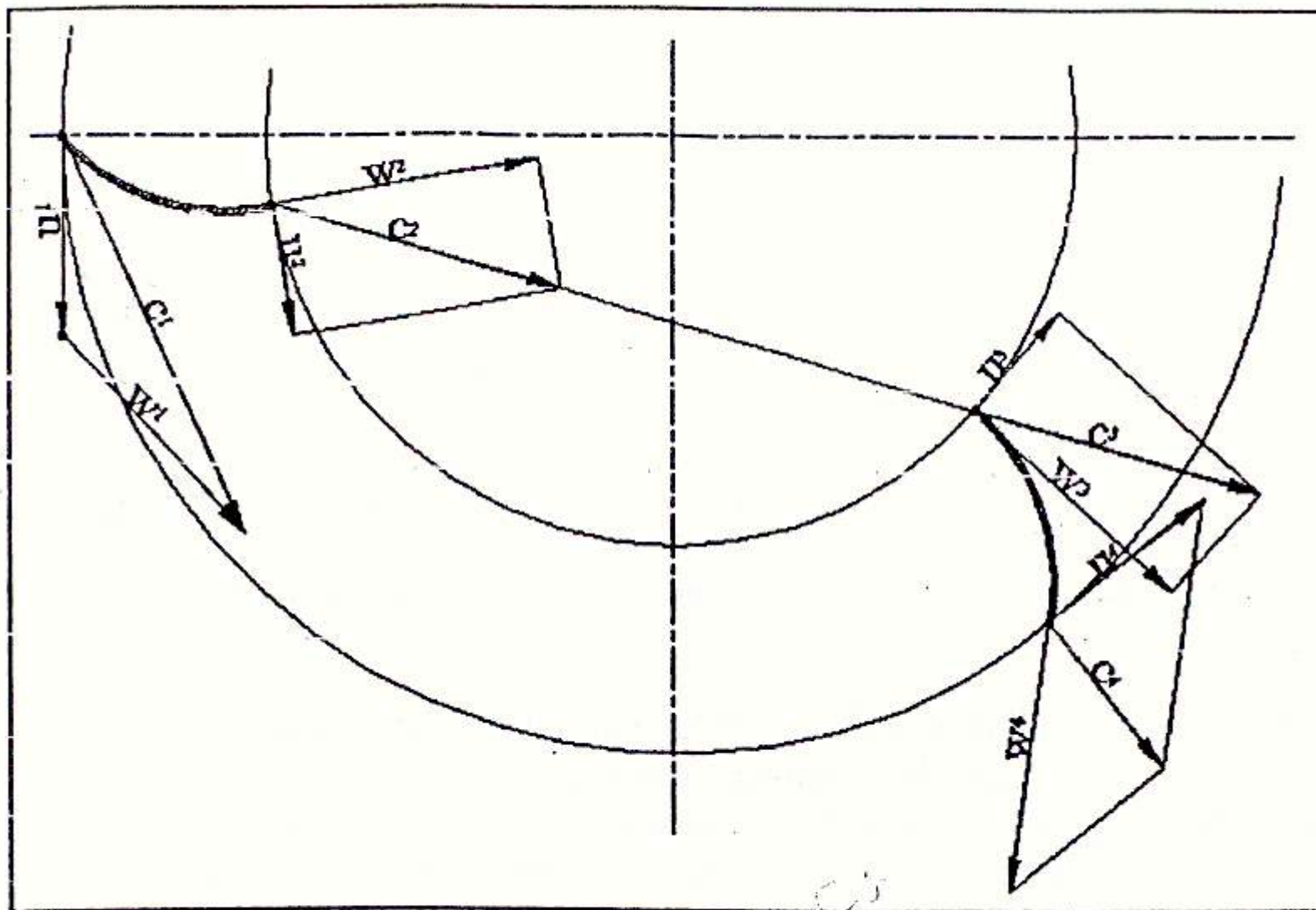
*Throughflow turbines*  
*Throughflow turbines are a special type  
flow through the runner. It makes the  
energy. The principle was invented in 1917  
in 1917 the Hungarian Dr. Darus Blask  
throughflow turbine with rectangular  
developing this type since 1922. Modern  
for greatly fluctuating water rates of flow  
small power of up to 1000 kW they are  
turbines do not operate very efficiently. It  
because they are comparatively cheap and*

◀ Ossberger-Turbine









**Figura 152: Triangoli delle velocità**

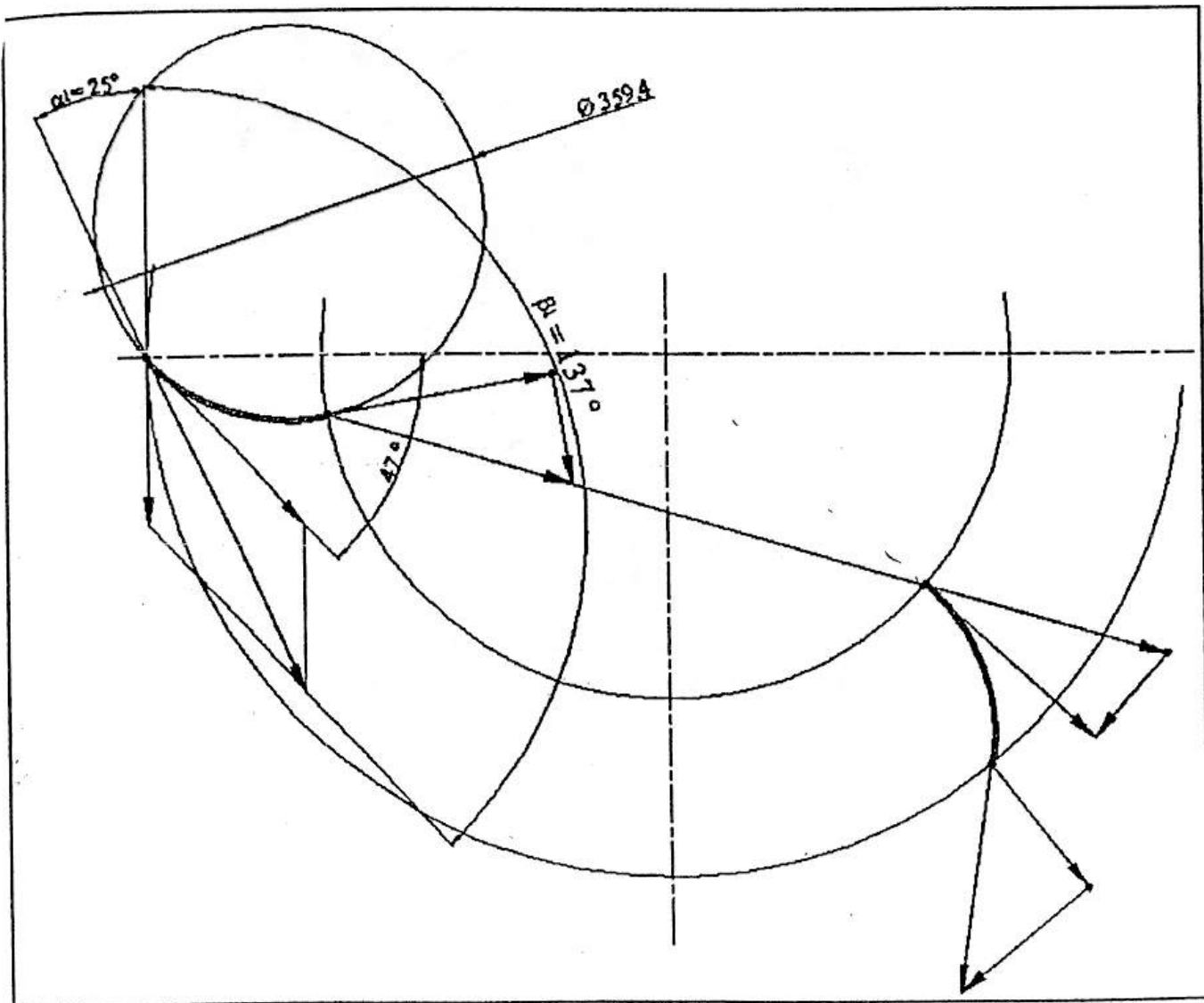


Figura 153: Geometria del rotore

