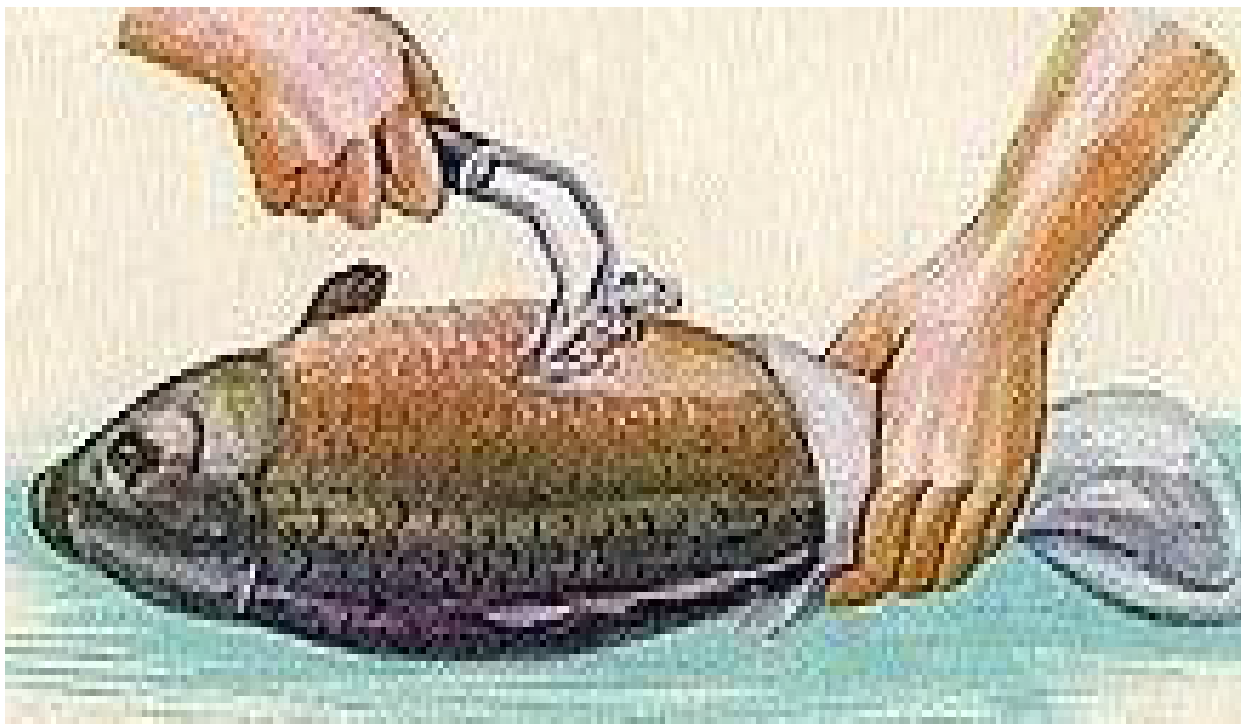


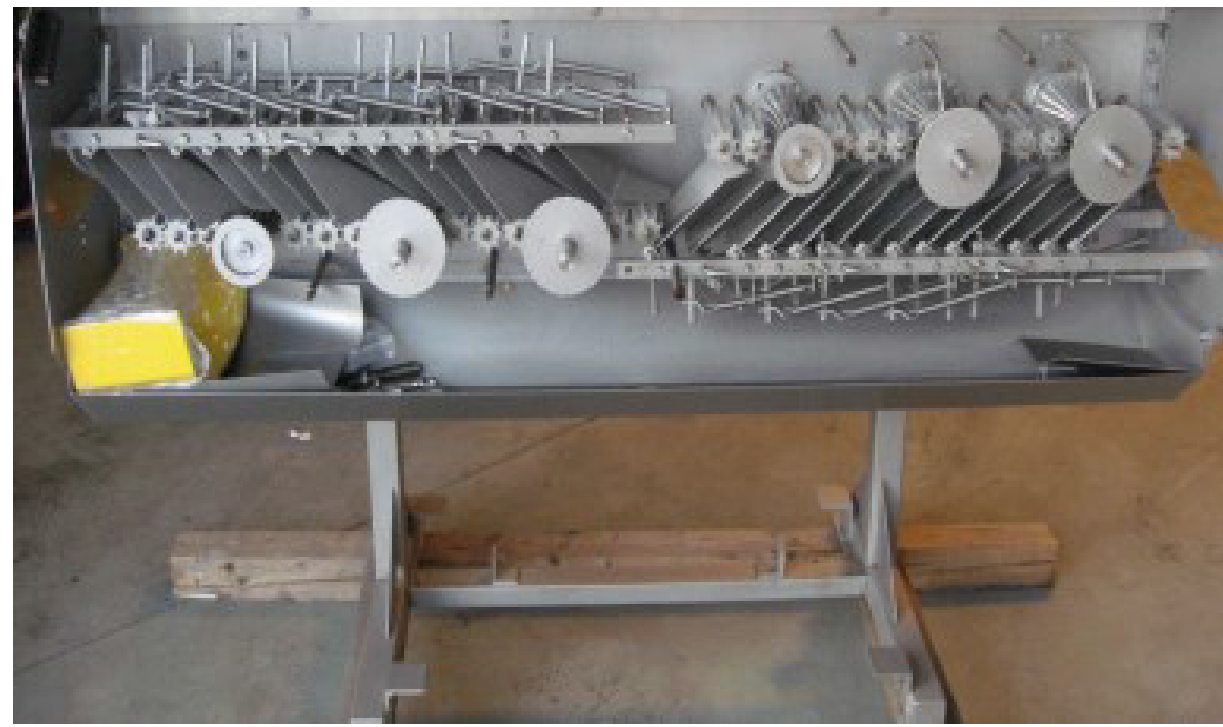


# Universal scaling machine

Individually the fish can be scaled with:



**hand scaler**  
for one's own use

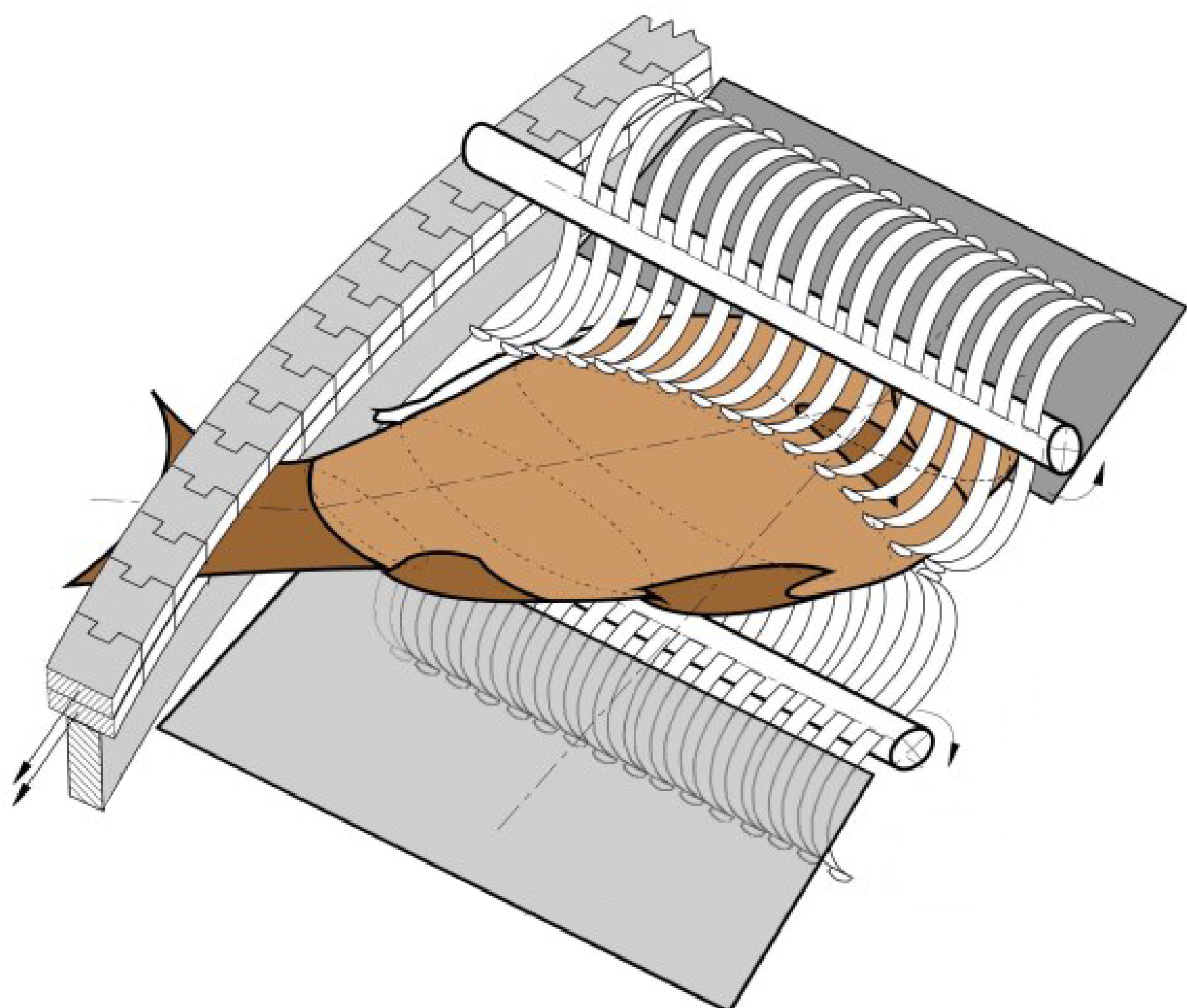


**scaling machine**  
in fish processing factory



**electric scaler**  
in fish marketing, fish shop

The fish scaling machines have a series revolving rolls. Their shapes are fitted to fish body shape. Thus descaling the fish of different size and shape requires either exchange of series rolls or application of another descaler.



For the avoidance of such inconveniences in NMFRI the innovation scaling machine was designed. In this machine the series of stiff scaling rolls are replaced with flexible metallic scrapers. The scrapers can adapt to fish shape on both its sides, thus they can scaling fish of **different size and species**. Application of one pair of flexible scrapers scaling both side of fish at the same time allowed to reduce size of machine. Now its dimensions (LxBxH - 750x400x500 mm) allow to place it even on table. **Thus one innovation machine can replace series of types currently used descalers.**



Unscaled fish



Descaled fish

