

Bahner Leather Cutting Machine Type 422

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Hat manufacturers, hat and cap makers receive their sweat leather bands primarily in a cut basic form from the leather factory. They have, however, the same length and must be adjusted to the width of the hats respectively head gears by cutting the ends accordingly. This work is primarily done by hand by inserting one leather into the hat and marking the area which has to be cut with needle points. With hand scissors the leather is then being cut. No uniformity can be achieved this way. Primarily it is practically impossible to cut the leather to the absolutely required length, meaning the required width of the head gear.

Machines are known which take care of this cutting of the leather ends mechanically with scissors or knives, but these machines are usually only usable for a given leather size. Since the various head gears have varying widths the leather cuts must be adjustable allowing them to fit properly into the hat. If this is not the case, the leather has wrinkles or deformations. For conical hat forms one must use strongly arched leather whereas for cylindrical hat forms less arched leathers are required. For a proper fit of the leather within the hat, it is important at what angle the cuts on the leather ends are made. The angle of this cut results automatically when adjusting by hand, but is always different with varying hat forms. It is, therefore, for a cutting machine important that this angle can be adjusted exactly.

This is the case with the offered machine.

The machine allows, furthermore, a quick cutting with maximum economy of the working process. With all known machines, the leather must first be laid on a horizontal plane and the position is marked through markings or pin points. This is, however, complicated and takes much time.

With the offered machine for cutting leather bands the following conditions are fulfilled:

1. Adjustment of the machine for various and chosen ground cuts of the leather
2. Adjustment for required cutting angle at the ends
3. Adjustment to the required „width“
4. Economic working process
5. Printing of the hat width (length of leather) simultaneously with the cut, therefore, eliminating misplacements and mixing up of the various sizes.

The machine consists of a frame on the front of which the intake for the leather which has to be cut can be found. The Feed-in device can be adjusted by the arched forms to the required roundcut of the leather whereby the band is always placed properly in the machine. It is important to place the leather band from the top into the holding arrangement whereby it is weight places it in the required starting position. On the side of the frame there are movable levers which

carry the mechanical scissors. The scissors themselves consist of a solid and a movable part. The scissors can be adjusted to the required angle by loosening a set screw.

By turning on the front adjustment wheel the required width for instance 57 can be set. The number appears on a small window and the adjustment wheel arrests properly in the required

position. After inserting the sweat leather band, the foot pedal is pressed whereby the leather band is cut on both ends simultaneously.

This working process allows the cutting of the leather in always the same manner very quickly and economically.

Technical Data:

Measurements approx.	900 x 500 x 1100 mm
	36,4 x 19,7 x 43,1 inch
Dimensions of seaworthy packed cases approx.	1050 x 650 x 1250 mm
	41,3 x 25,6 x 49,2 inch
Dimensions of container transport approx.	1050 x 600 x 1200 mm
	41,3 x 23,6 x 47,2 inch
Weight	
net approx.	95 kg / 209,44 lbs
gross	