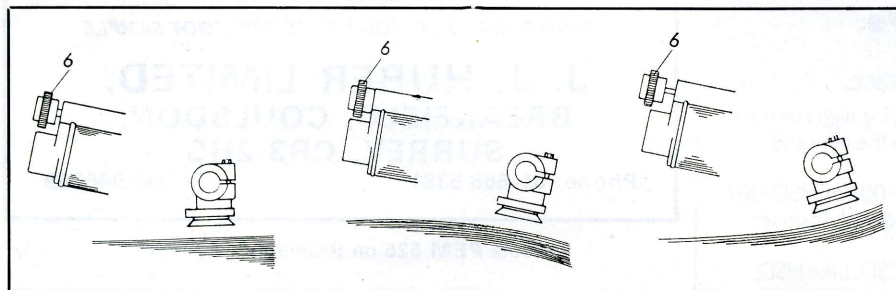
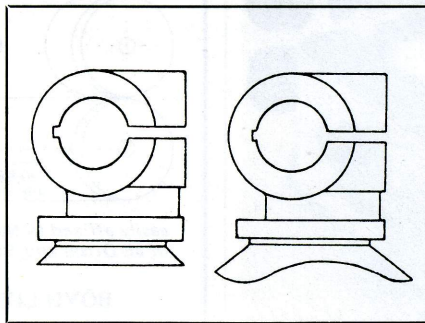


Top: Illustrating manual control of Mabeg separator head

Right: the sucker with the convex surface should be used either for paper or difficult material. The sucker with the flat surface is mainly used for board

Below: the suction air is set properly when both suckers pick up a sheet and the tilting motion of the pick-up sucker ends with a 'click'. When fastening the suckers on to the air-tube of the pick-up suckers see that they are always parallel to the pile surface. By turning adjustment screw (6) the sucker can be brought parallel to the surface of wavy stock (advice from Mabeg)



- (2) Lifting suckers approach the top sheet.
- (3) Top sheet contacts suckers.
- (4) Back edge of sheet curved by springs or brushes.
- (5) Lifting suckers collapse to lift sheet to maximum height.
- (6) Pile control foot descends on stack to prevent next sheet from rising.
- (7) Strong air blast lifts whole of top sheet clear of stack.
- (8) Forwarding suckers contact sheet.
- (9) Lifting suckers release.
- (10) Forwarding suckers travel towards press, carrying sheet over air cushion.
- (11) Front edge of sheet enters nip of first feedboard rollers.
- (12) Air blast cuts out.
- (13) Forwarding suckers return to first position.
- (1) Fanning blow separates the back edges of the top few sheets.

For bigger sheets, say above RA1, it may be necessary to employ additional equipment. Some manufacturers provide additional air blast at the sides of the sheets to provide extra lift prior to forwarding. For more positive action on large sheets a double head may be fitted. This will require rather more careful setting and balancing between the various sections than with the single head centred on the back edge of the pile.

HTB provides a useful facility with their latest modular design, whereby a