

INSTRUCTION MANUAL

# PIPE REED MANIPULATION



**THE SHEPHERD WAY**

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## THE SHEPHERD PIPE REED

*A unique reed produced and finished by a combination of dedicated craftsmen and advanced machinery techniques.*

### Providing

*Greater efficiency*

*Easy adjustment for weaker blowers*

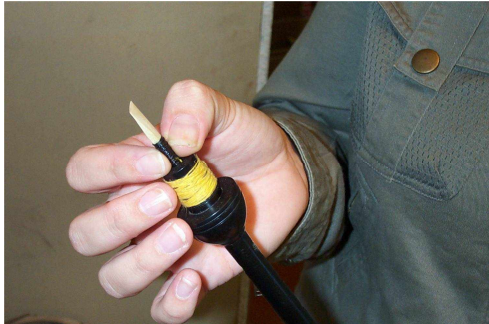
*Easy adjustment to raise pitch*

## THE SHEPHERD WAY.

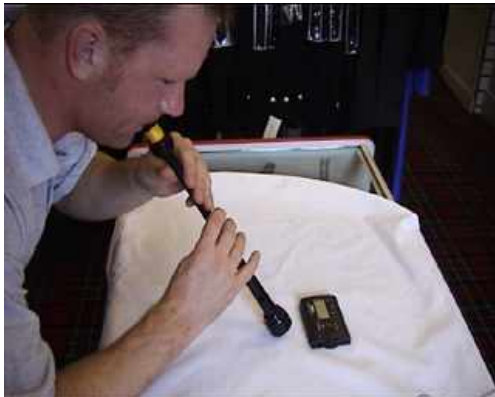
*All Shepherd reeds and instruments are designed to deliver a pitch combination of 472Hz-475Hz and above depending on climatic conditions. If using the Korg CA-30 tuner as recommended in our accessory catalogue code A20, it is commonly accepted that 440 Hz = 466Hz on the bagpipe scale. Therefore a useful calibration for the Korg CA-30 TUNER is:*

440 = 466	445 = 471
441 = 467	446 = 472
442 = 468	447 = 473
443 = 469	448 = 474
444 = 470	449 = 475

## SHEPHERD REED/CHANTER COMBINATION

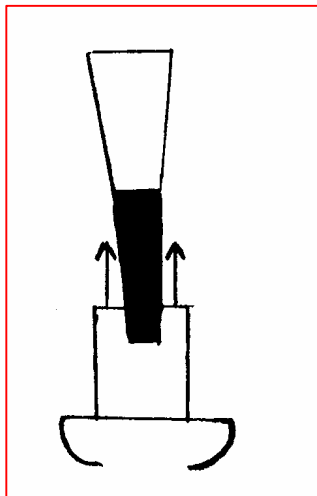


*Insert the chanter reed gently but firmly into the reed seat of the chanter. Always grasp the reed between thumb and forefinger by the staple area*



*Mouthbow continuously on low A, C, E, high A, E, F, highG, and high A, attempt a reading of 476hz on the tuner.*

## BLOWABLE REED WITH GOOD STRENGTH

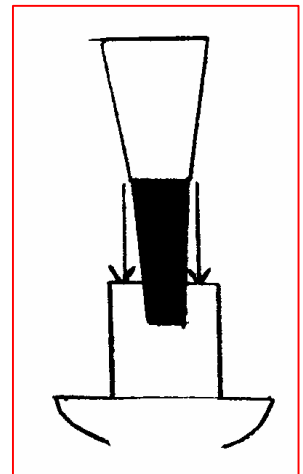


**SYMPTOM  
SHARP**

**RAISE IN  
CHANTER**

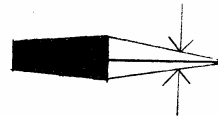
**SYMPTOM FLAT**

**LOWER IN  
CHANTER**

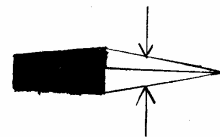


**TO MAKE REED WEAKER AND RAISE PITCH**

***A: SQUEEZE THE TOP 1/3 OF THE REED***



***B: IF REED IS SLOW TO RESPOND AND IN PARTICULAR IF "F" IS FLAT, SQUEEZE MORE SEVERELY MIDWAY ABOVE THE TYING ON THE STAPLE AND THE BLADE TIP.***



***C: FINALLY AND ONLY IF THE REED IS BEING STUBBORN AND NOT RESPONDING TO INSTRUCTIONS A AND B, REMOVE CANE FROM THE SHADED AREAS ON BOTH BLADES USING A SANDING STICK AS SHOWN.***



***NOTE: SANDING STICK SHOULD BE APPROXIMATELY 6MM WIDE AND 120 GRIT SAND PAPER.***