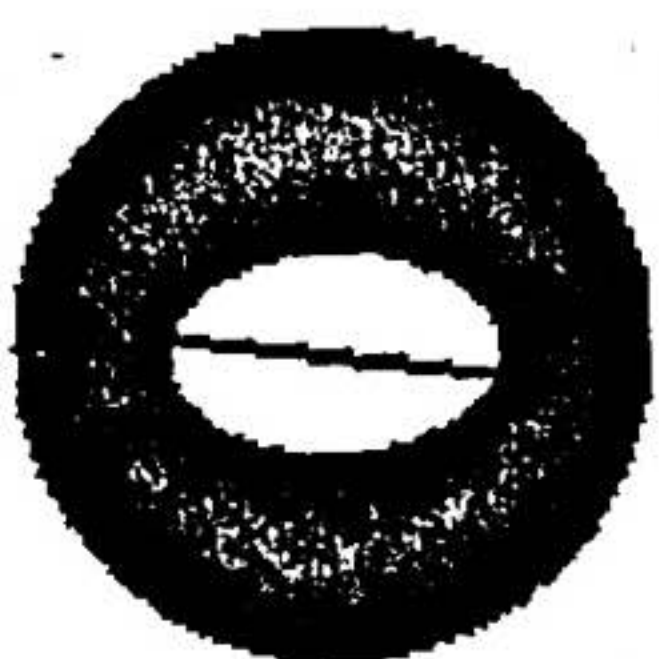


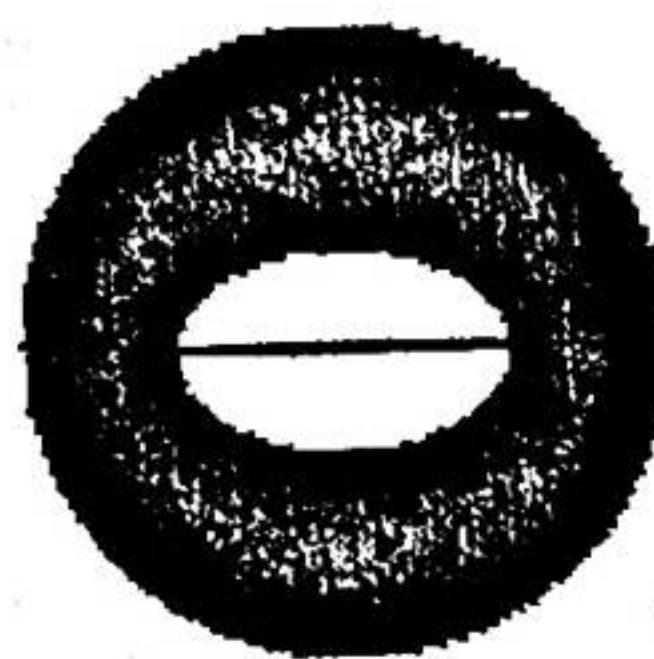
How to Make a Reed!

1. Measure the cane on the staple to make sure that it is at 72-73mm. (You should tie the reed as long as is possible while still keeping the sides sealed tightly just above the string.)
2. Tie the cane to the staple making sure not to over-tie. Set the overlap so that it is on the left side of the reed. Wrap up to 46-47mm, making sure the reed seals.
3. Test the sides of the reed (try to pull air through the sides of the reed just above the string) to make certain that the reed seals. Do this BEFORE clipping the tip. If the reed doesn't seal, tie it again.
4. After making the cross-over, wind approximately 2-3 more wraps down the tube. Now, while keeping tension on the thread, remove the mandrel. Sight down the tube from the bottom end to ascertain the alignment of the future opening of the reed. The position of the left side of the fold should be 2-3 minutes past the 9 o'clock bearing of the oval opening of the tube. The right side of the reed fold should be 2-3 minutes past the 3 o'clock bearing of the tube opening. **THIS IS EXTREMELY IMPORTANT!!!** This often affects the success of the reed. When you clip the reed tip open, the setting of the overlap will put the blades at the 3 o'clock and 9 o'clock position in relation to the tube opening.

Before setting overlap



After setting overlap



5. Scrape the tip of the reed, afterwards scrape the back of the reed to the back of the tip, making sure to leave the rails on the side and the spine in the middle.
6. Clip the tip open. Let the reed sit for the rest of the day, and come back to it the next day.

7. Work on the tip until you can play a scale. Then slowly work on the heart and back, following the measurements given in the diagram. Test the reed every few scrapes and repeat the above process until you have a reed that is comfortable to play on.

ALWAYS SCRAPE A LITTLE AT A TIME AND THEN TEST!!! REPEAT UNTIL FINISHED.