THE ROVNER RECTANGULAR* * *

A NEW CONCEPT IN CLARINET BARRELS

The rectangular cavity in the ROVNER BARREL induces an additional set of air column vibrations in the bore of the clarinet. This increases the number of overtones in the sound, thereby producing greater clarity, dimension, and projection. Because the dimensions chosen for the width and height of the rectangle produce overtones which are related to those notes of the instrument that normally are less responsive (throat tones, B & C on the staff, and others), the clarity and response of these notes are noticeably improved. In addition, because the overtone spectrum is more distributed than that of a conventional barrel, the tone is more centered on more notes and the playing resistance is also more even throughout the range of the instrument. High register response is also improved because of the greater oscillatory cooperation of overtones and fundamental air column vibrations.

By utilizing a modern, space-age material, which is unaffected by heat, cold, moisture or age, the tuning and intonation changes that occur with the aging of grenadilla barrels can be forgotten. Furthermore, the springlike qualities of Dupont Delrin have been utilized in the outer ringed structure of the barrel. These have been designed to vibrate in a manner which enhances the "ring" in the tone of the instrument.

All these features produce a more musical, singing tone with added dimension. Greater playing ease will be realized. The improvement in response will permit easier mastery of the instrument.

SUGGESTIONS FOR BEST RESULTS:

1. Be certain that your mouthpiece and clarinet tenons fit fully into the sockets. A slight gap should be noticeable at the outer surfaces where the mouthpiece or the instrument join with the barrel. Any internal gaps at the bore will create stuffiness. During a performance, check from time to time to see that the barrel and mouthpiece are firmly seated.
2. As with any barrel, a difference in playing resistance may be noticed. Such effects can be compensated by the use of slightly softer or harder reeds. If the ROVNER BARREL is different than your barrel, in this respect, a satisfactory trial will not be realized until an optimum reed is used.
3. If the barrel must be pulled out to flatten the pitch, use the rings supplied to fill the gap so the tone will not get stuffy.
4. Orienting the rectangle horizontally or vertically will result in a darker or brighter sound quality. Experiment to find the position you prefer. You may change it to suit a particular reed, mouthpiece or playing circumstance as the need arises.
5. Keeping the bore free of foreign matter will sustain its performance. Swabbing the barrel, as well as the mouthpiece and clarinet, after each playing is highly recommended.
6. If a socket is too tight for your instrument or mouthpiece, your repairman can easily modify it for a better fit.
7. Because of the effects of variations in mouthpiece and clarinet bore sizes, intonation and tuning problems can occur, as with any barrel. In this case, notify ROVNER BARRELS. Describe the nature of the problem and the make and age of the clarinet. Barrels which do not mate well with your set-up will be adjusted or replaced as necessary by ROVNER BARRELS, to your satisfaction.

* * * PATENT APPLIED FOR

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