

Basic Detail Report

Trumpet, B-flat, low pitch

Date

1932-1933 ca.

Primary Maker

C. G. Conn, Ltd.

Description

Silver-plated brass, satin finish, bell interior gold-plated and burnished, mother-of-pearl finger buttons, rimless bell, single loop, main tuning slide at first bow, three Périnet valves (1, $\frac{1}{2}$, $1\frac{1}{2}$), bottom-sprung, spring attached to bottom valve cap, bottom valve caps with central slot to facilitate un-screwing, alignment by one key on Clickless Crysteel pistons, octagonal valve cases, single water keys with spring hidden in cap-shaped saddle at main tuning slide and third valve slide, trigger with pull ring at third valve slide, windway 3-2-1. Silver mouthpiece, stamped: CONN 5 40B Conn-queror model with Vocabell (later patented as US patent no. 1,993,714, March 5, 1935). The bottom valve cap design follows US patent 1,956,254 (April 24, 1934), filed by Harry W. Schwartz on July 30th, 1932, and related to a slot in the valve cap to facilitate removal in the event of thread corrosion. The octagonal valve casing and water key designs follow US patent 1,966,119, filed on the same day as the valve cap design by Leland B. Greenleaf (granted July 10, 1934). The latter patent covered the fluted valve casings to facilitate a good grip of the instrument in hot weather when the player's hands are moist, and a water key that was better protected from getting damaged by obstacles, for example the player's clothing.

Dimensions

Height: 526 mm Tube length: 1311 mm Bore diameter (initial, minimum, tuning slide, valve slides): 10.9 mm, 8.6 mm, 11.7 mm, 11.7 mm (0.459 inches) Bell diameter: 108 mm (4 1/4 inches)