

Specification

MANUAL

Open Diapason	8
Stopped Diapason	8
Principal	4
Chimney Flute	4
Twelfth	2 2/3
Fifteenth	2
Tierce	1 3/5
Trumpet	8

PEDAL

Bourdon	16
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All stops with exception of the Open Diapason and Principal are divided between tenor b and middle c.

Key Compass:

Manual: GG, AA C-a3, 60 notes

Pedal: C-f1 30 notes.

The bottom C# has a split key so that both AA and C# can be played.

Keys, pedals and drawstop action are all fully mechanical, the switching on and off of the nightingale, bear and cymbelstern are done pneumatically.

Drum or Thunder pedal

This plays the bottom 6 notes of the Bourdon (when drawn) adding notes progressively as the pedal is depressed.

Cymbelstern

This employs the traditional construction for a cymbelstern, with small clock bells, but is believed to be the only one in the UK which is driven in the traditional way by wind, rather than electric motor.

Nightingale

Worked by the usual inverted pipes in liquid, but based on an 17th century Italian model, which is far more compact than the usual nightingales.

Bear

The bear is made up of two elements. When pressing the stop with an image of a bear inwards, the special pipe produces a bear-like sound. If the stop is pulled out the gilded bear appears silently at the top of the case and the bear sound starts again when it is fully forward, making the sound as long as the stop is held out. The pipe is a largish wooden Regal with a hole covered by a pallet, which gradually opens, giving a slight crescendo as it sounds. The motor for moving the bear is a pneumatic piston, all designed and manufactured in the Mander works.