



CLASS XVI.  
MUSICAL INSTRUMENTS.

[ 3360 ]

ALLISON, RALPH, & SONS, *Wardour Street, W.*—Elegant oak piano, temp. Charles I., and Improved London Model. (See page 88.)

[ 3361 ]

ALLWOOD, THOMAS, 16 *Bow Street, Birmingham.*—Six violins and violoncello.

[ 3362 ]

BATES & SON, 6 *Ludgate Hill, London, E.C.*—Cottage pianofortes.

A semi-cottage pianoforte in Italian walnut wood case, handsomely carved; compass seven octaves; trichord, treble, &c.

[ 3363 ]

BELL, JOSEPH, *Gillygate, York.*—An harmonium with wood reeds and pedals, two octaves; also an instrument containing bassoon, oboe, and clarionet, in the shape of a violoncello, with two rows of keys and wood reeds.

[ 3364 ]

BESSON, F., Manufacturer, late of *Paris*, now of 198 *Euston Road, N.W.*—Musical instruments (brass).

Family of *transposition* instruments, enabling the player to perform the most difficult music, and to change instantly from one key to another without once removing the lips from the mouthpiece. The system may be adapted to any three-valve instrument, to which it gives the equality and almost the resources of the violin.

Family of *neoform* instruments—with moveable bells. The main advantage of this model, and which F. BESSON'S [a somewhat similar shape being made by other houses] alone possesses, is that the instruments are perfectly equi-poised, and accordingly will stand upon their bells; thus rendering them commodious and less liable to injury.

Family of bugles—simple or chromatic at will.

Circular instruments (*passing over the shoulder*), very suitable for cavalry and the field, equi-poised.

Usual form instruments, with F. BESSON'S latest improvements. New French horns, with and without piston attachment (2 and 3 valves); Koenig horns, pocket saloon cornets, for officers, amateurs, and for presentation. Ophicleides, trombones with double slides (only half the length of the single slide instruments with increased power of tone), new trumpets, chromatic and regulation; duty bugles, &c.

To all the above instruments the pistons *à colonne d'air pleine* may be applied, whereby the wind passages are rendered so perfectly clear and equal that freedom and softness must necessarily follow.

Clarionets, cymbals, side drums; *musical instruments in paper, linen, gutta-percha*, and various other substances,\* of perfect tone, tune, and (*apparently*) metallic vibration.

A *cornet in aluminium*, composed of 105 pieces, each soldered, a feat hitherto deemed impracticable, and in every sense complete. Weight under 12 ounces; that of the brass instrument averages about 36 ounces.

F. BESSON is the possessor of the PROTOTYPE machinery; that is to say, the apparatus by which approved instruments may be repeated in any number with mathematical certainty. Mr. B. devoted ten years' labour exclusively to the perfecting of this machinery, and in his success achieved the greatest desideratum ever sought by the manufacturer and demanded by the patrons of brass musical instruments.

\* These are exhibited to prove the all-importance of the proportions and the soundness of the acoustical principles upon which F. BESSON'S instruments are constructed.