



Founded 1858

British Horological Institute

## Certificate in Clock and Watch Servicing, Unit 2 Technician Grade, Basic Practical Workshop Processes 6<sup>th</sup> June 2006

### Important notes - please read carefully

1. You will be known to your Examiners by your examination number only, your work must be clearly identified with your Examination Number by means of a tie on label securely fastened to your work.

In previous years some unidentified work has been received, please ensure that your time and effort are not wasted in this way.

2. The package containing your work must be clearly marked "Practical Examination" with your Examination Number on the outside of the package.

It should be addressed:-  
The Examinations Secretary  
British Horological Institute  
Upton Hall  
Upton  
Newark  
Notts,  
NG23 5TE  
United Kingdom.

The date of arrival of the package will be recorded, the package will be opened by the Examinations Secretary and must **only** contain the test piece, your declaration and the postcard which enables the Institute to inform you when the piece has arrived. The declaration will be retained at Upton Hall and the Practical Piece forwarded to the Examiner for marking.

3. Practical Pieces, whether or not completely finished, are to arrive at the Institute on or before the date given on the drawing; candidates, whose work is received late will be penalised, dependent on the degree of lateness. (1 - 2 days: 5%; 3 - 5 days: 10%; over 5 days piece will not be accepted). In order for you to know when your test piece has been received please ensure that the enclosed card is completed and sent with the test piece. The card will be returned to you giving the date of receipt at Upton Hall. In case of loss or delay in transit, it is advisable to request evidence of posting from the Post Office. In the event of any delay arising between the date of despatch and arrival at Upton Hall please inform the Institute and include evidence of posting.

4. You must complete and sign the declaration at the bottom of this page and return it with your work. All components, including any screws, taper pins etc., are to be produced by the candidate, unless the Institute indicates otherwise.
5. An Examiner may contact you, either during or after the Examination, to enquire about the various processes you have undertaken when making the Practical Test Piece.
6. Examiners consider the accuracy of a number of dimensions and some elements of workmanship and surface finish. This “sampling” process cannot consider every point of accuracy or quality of construction. If it is evident to the Examiner that a candidate’s work includes a **serious error** in the accuracy, workmanship or finish of an aspect **not** being routinely checked five marks will be deducted from the total score.  
 E.g. components fastened with Loctite or Superglue instead of rivetting  
 soldering to repair component broken during construction  
 excessive error in dimension (over 1mm)
7. No electrolytic treatment, such as the plating of components, is permitted.
8. Your test piece will be retained by the Institute for a number of years.

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**Candidate's Declaration:-**

**I declare that the whole of the work in producing this Practical Test Piece is my own work, not aided or advised by any other person. Moreover, my signature is given in the knowledge that if it is found, at any time, that a false declaration has been made, any “Pass” or “Pass with Merit” achieved in this and other Horology Examinations may become null and void.**

Candidate’s Name ..... Examination Number .....

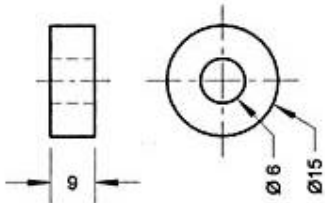
Signed .....

Date.....

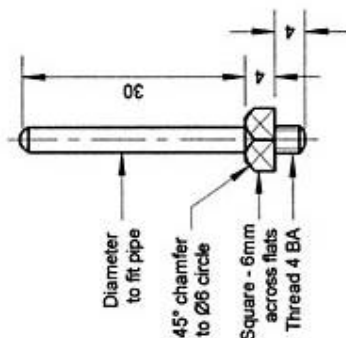
Signature of College Lecturer.....

Date.....

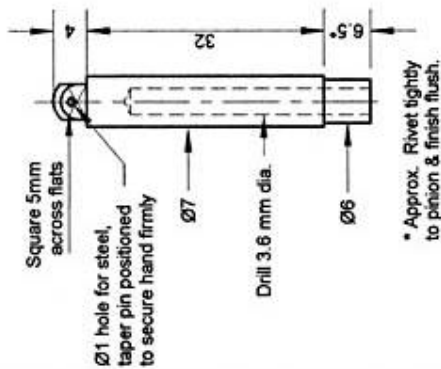
**Make sure that your examination number is on the package and your work.**



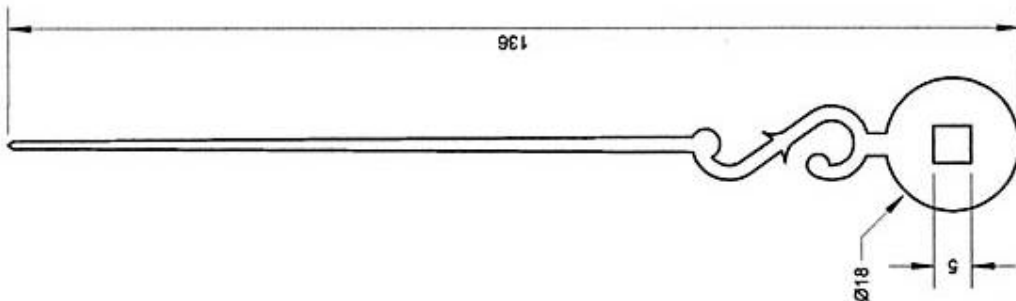
**CANNON PINION**  
Brass, polished



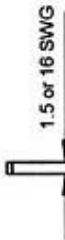
**POST**  
Steel, polished and blued



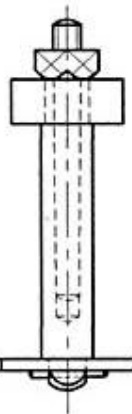
**CANNON PIPE**  
Brass, polished



**MINUTE HAND**  
Carbon Steel, polished



The drawing of the hand may be copied and used as a cutting template. Individual variations are to be expected and will not be penalised. The corners between the front surface and the edges are to be slightly rounded; the corners between the edges and the back are to be sharp. The pipe should turn freely on the post, with minimal side shake.



**GENERAL ARRANGEMENT**

**LONGCASE CANNON PINION PIPE AND HAND ASSEMBLY**

**MATERIALS: AS STATED**

**FINISH: AS STATED**

**ALL DIMENSIONS IN mm. (Do not scale)**

**TOLERANCE: ± 0.1mm**

**Certificate in Clock and Watch Servicing - Unit 2**  
**Technician Grade - Practical Workshop Processes**



**FINISHED COMPONENTS TO BE SUBMITTED TO UPTON HALL BY 22 JUNE 2006**

**JUNE 2006**

**British Horological Institute**

**UNSTATED DIMENSIONS AND WORKING CLEARANCES ARE LEFT TO THE CANDIDATE'S DISCRETION**

**FIRST ANGLE PROJECTION**

**ORIGINAL SCALE 1:1**

