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Hospital beds

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In the event of any doubts arising as to the contents,
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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS T 9205:2009** is replaced with this Standard.

However, **JIS T 9205: 2009** may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until August 21, 2017.

This **JIS** document is protected by the Copyright Law.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

Hospital beds

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of IEC 60601-2-52 published in 2009 and Amendment 1 : 2015 with some modifications of the technical contents to enhance safety requirements for preventing accidents around bed rails. The amendment to the said International Standard has been compiled in this Standard.

The vertical lines on both sides of the text and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies the manually and electrically operated nursing beds principally intended for use in medical facilities (hereafter referred to as beds) that are capable of stepless adjustment of the angle of the back and leg sections, platform height and/or inclination of the whole bottom. This Standard is also applicable to the flat floor type beds without the adjustment mechanism. It is not applicable to the beds for medical care, the beds for children, the beds for a particular function and the electrically operated adjustable beds for home use.

NOTE 1 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

IEC 60601-2-52 : 2009 *Medical electrical equipment — Part 2-52 : Particular requirements for the basic safety and essential performance of medical beds* and Amendment 1 : 2015 (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and JIS are IDT (identical), MOD (modified), and NEQ (not equivalent) according to ISO/IEC Guide 21-1.

NOTE 2 The beds for a particular function refer to those beds with other function (such as rolling function and delivery table function) than the function of manual or mechanical stepless adjustment of the angle of the back and leg sections and/or platform height.

NOTE 3 The beds for medical care refer to those beds that are registered as medical devices in accordance with the Act on Pharmaceuticals and Medical Devices.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS C 0920 Degrees of protection provided by enclosures (IP Code)

JIS T 0601-1-2 Medical electrical equipment — Part 1-2 : General requirements for safety — Electromagnetic compatibility — Requirements and tests

JIS T 9254 Electrically operated adjustable bed for home use

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS T 9254** and the following apply.

3.1 patient

person who uses the bed

NOTE : The term “user” is applied to this definition in **JIS T 9254**, instead of “patient” which is used in **IEC 60601-2-52**.

3.2 accessory

additional parts intended by the manufacturer to be used that are not included in the standard package of the bed, and that fulfill their functions through installation on the bed (e.g. platform extensions, towing frame and IV pole)

3.3 lifting pole

accessory attached to a medical bed and intended to assist support of a patient when changing position by providing a gripping support above the patient

3.4 head/foot board

a board that is mounted to the head side and foot side of a bed and protects the head and the feet of the patient, respectively, and is detachable for the purpose of treatment, etc.

If a bed is intended for mobility, it is used as a grip.

3.5 head/foot frame

part of the undercarriage frame (fitted with castors), as a means of moving the bed, which is intended to guard the head/feet of the patient

The head/foot frame is not detachable from the undercarriage frame. If a bed is intended for mobility, this frame is used as a grip.

3.6 Trendelenburg position

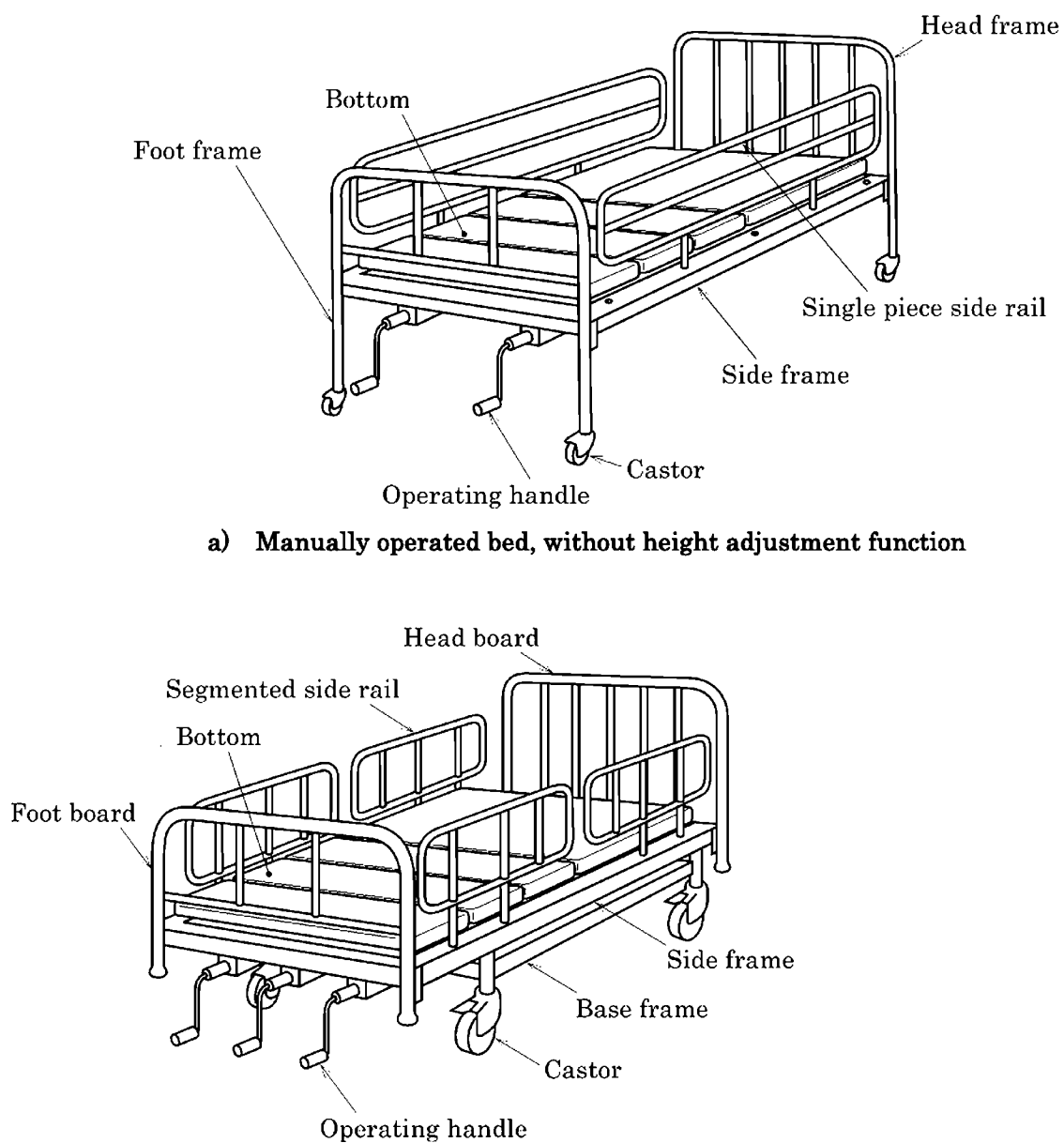
bed position where the entire bottom in the flat position is inclined in such a way that the patient's head is lower than the circulatory centre point of the body

4 Designation of each part and classification

4.1 Designation of each part

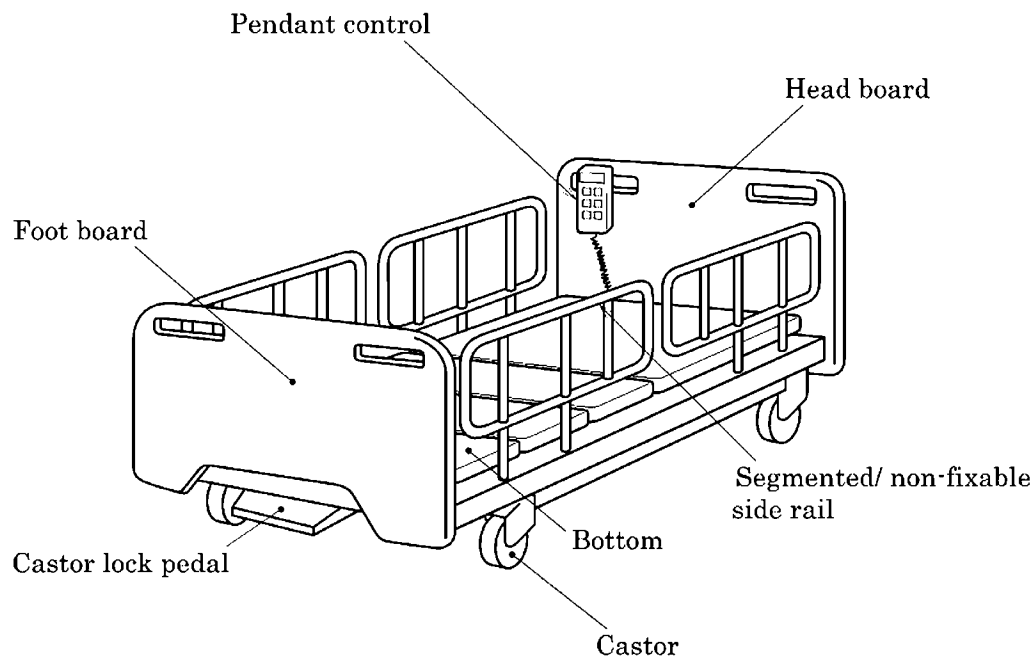
The designation of each part of the bed is shown in Figure 1.

The designation of each part of the bed grip is shown in **JA.1.2** in **JIS T 9254**.

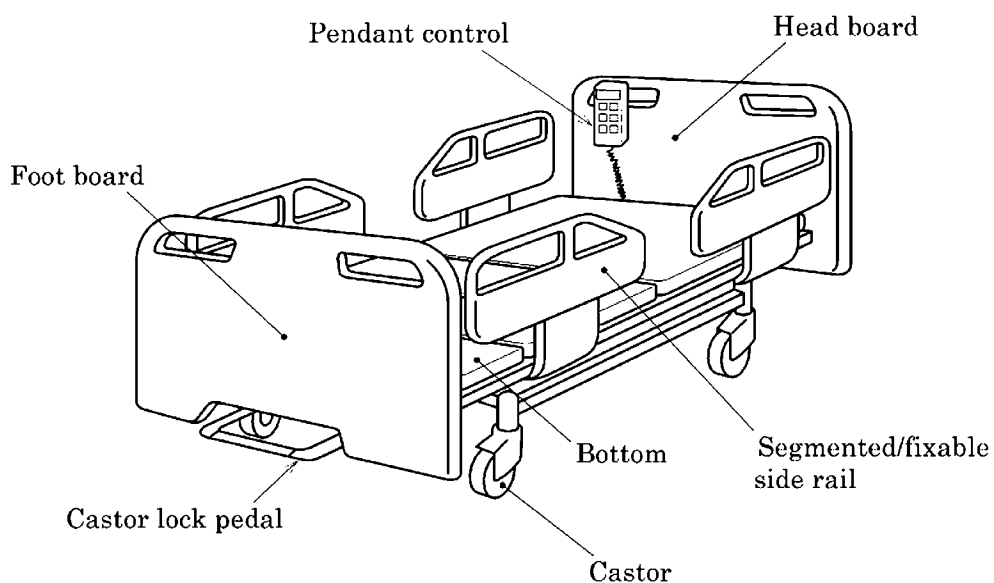


b) Manually operated bed, with height adjustment function

Figure 1 Designation of each part



c) **Electrically operated bed, segmented/non-fixable side rails**



d) **Electrically operated bed, segmented/fixable side rails**

Figure 1 (concluded)

4.2 Classification

Classification of beds is shown in Table 1.