

INSTRUCTIONS FOR MECHANICAL CLOCK

Welcome to Your Floor Clock

I. Installation

(I) Placement

Lay the packaging box flat on a spacious surface and unpack it, then take out the pendulum and weight box. Two people should carefully lift the clock out of the box and place it upright at your chosen position. Keep all packaging materials out of children's reach, or store them for future relocation. Position the clock vertically in a dry, clean, level and stable indoor area. If the floor is uneven, level the clock using shims or coins.

(II) Removing Fixing Components

1. Wear gloves when handling the clock to avoid corrosion caused by sweat and stains.
2. Remove all packaging materials securing the movement, gongs and striking hammers, as well as the fixing plates or rubber bands on the pendulum rod (Figure 1).
3. Inspect the pendulum rod for deformation or any areas where it rubs against the clock movement.

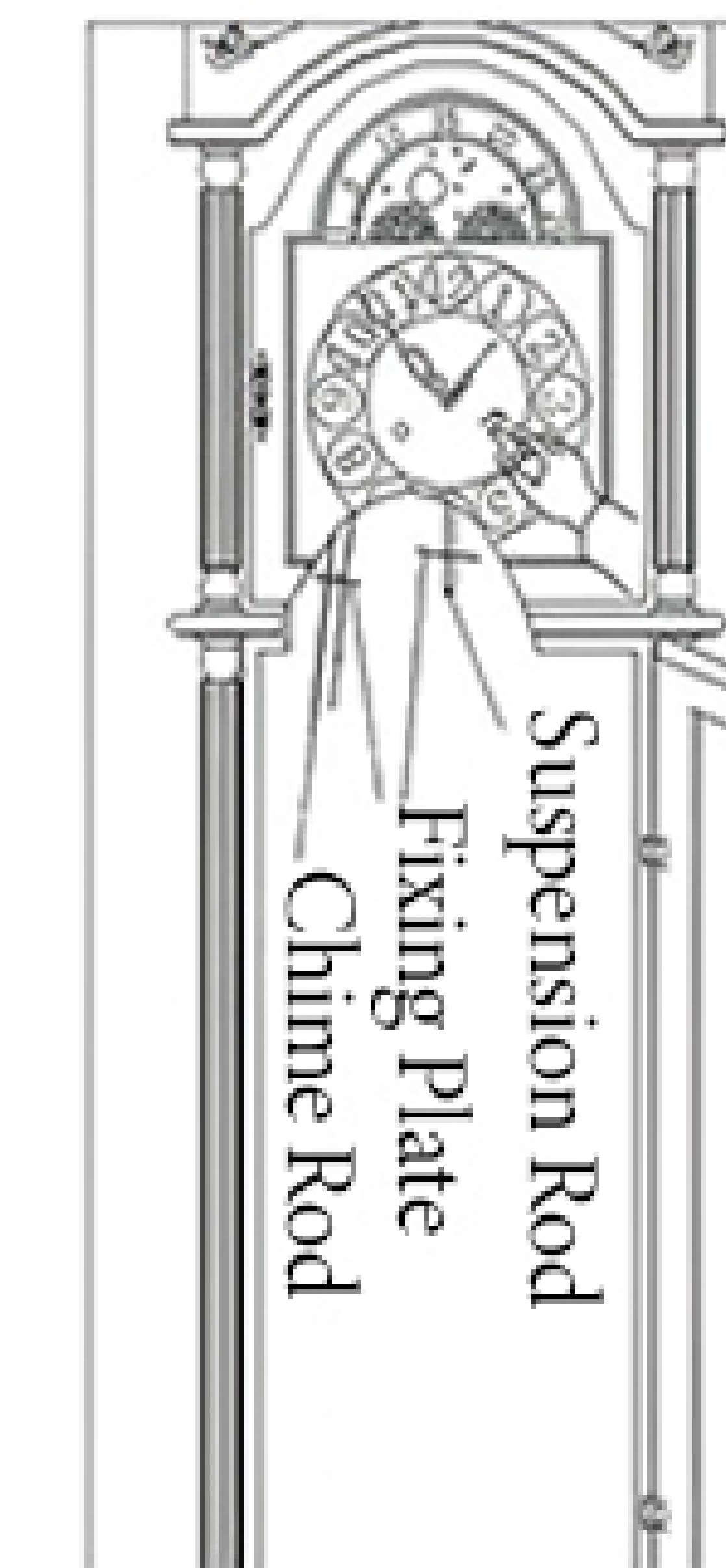


Figure 1

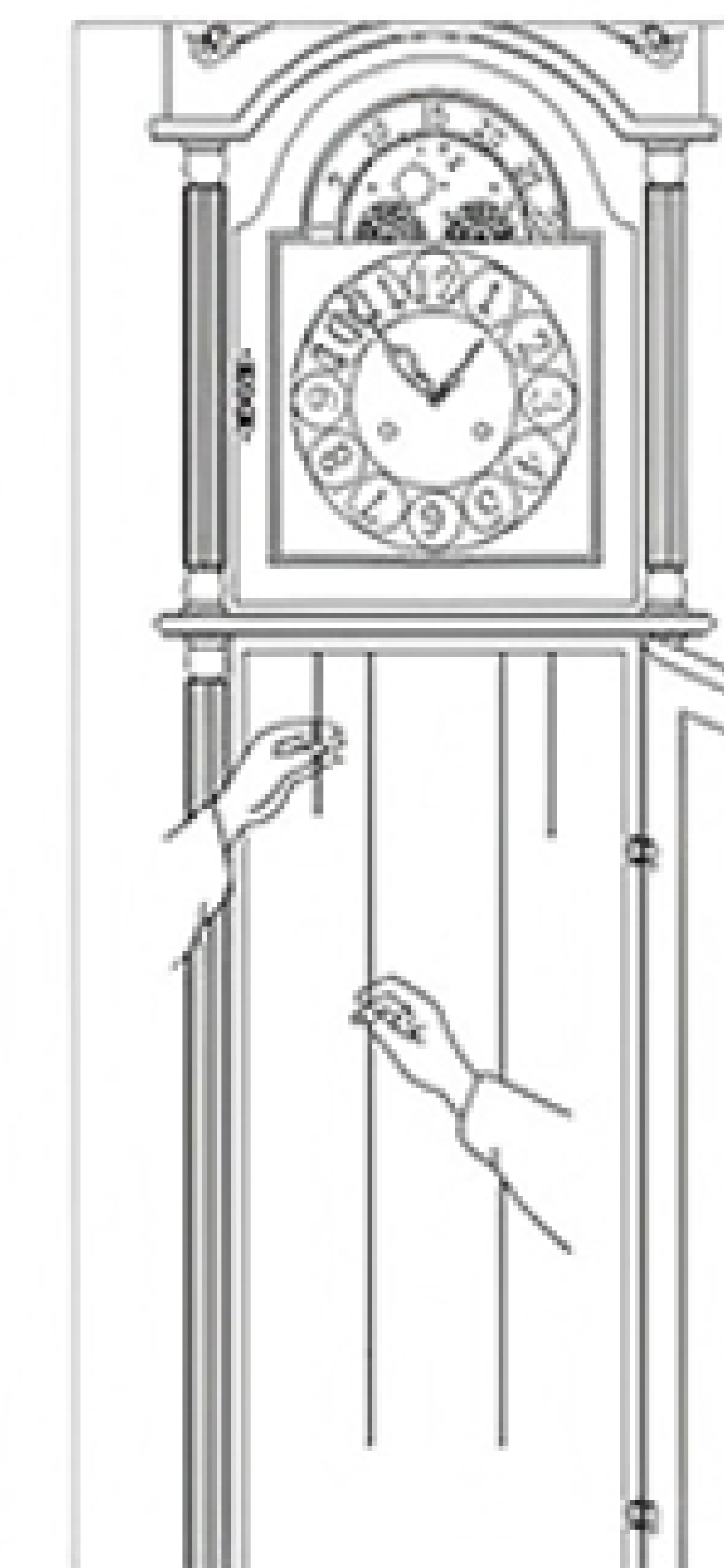


Figure 2

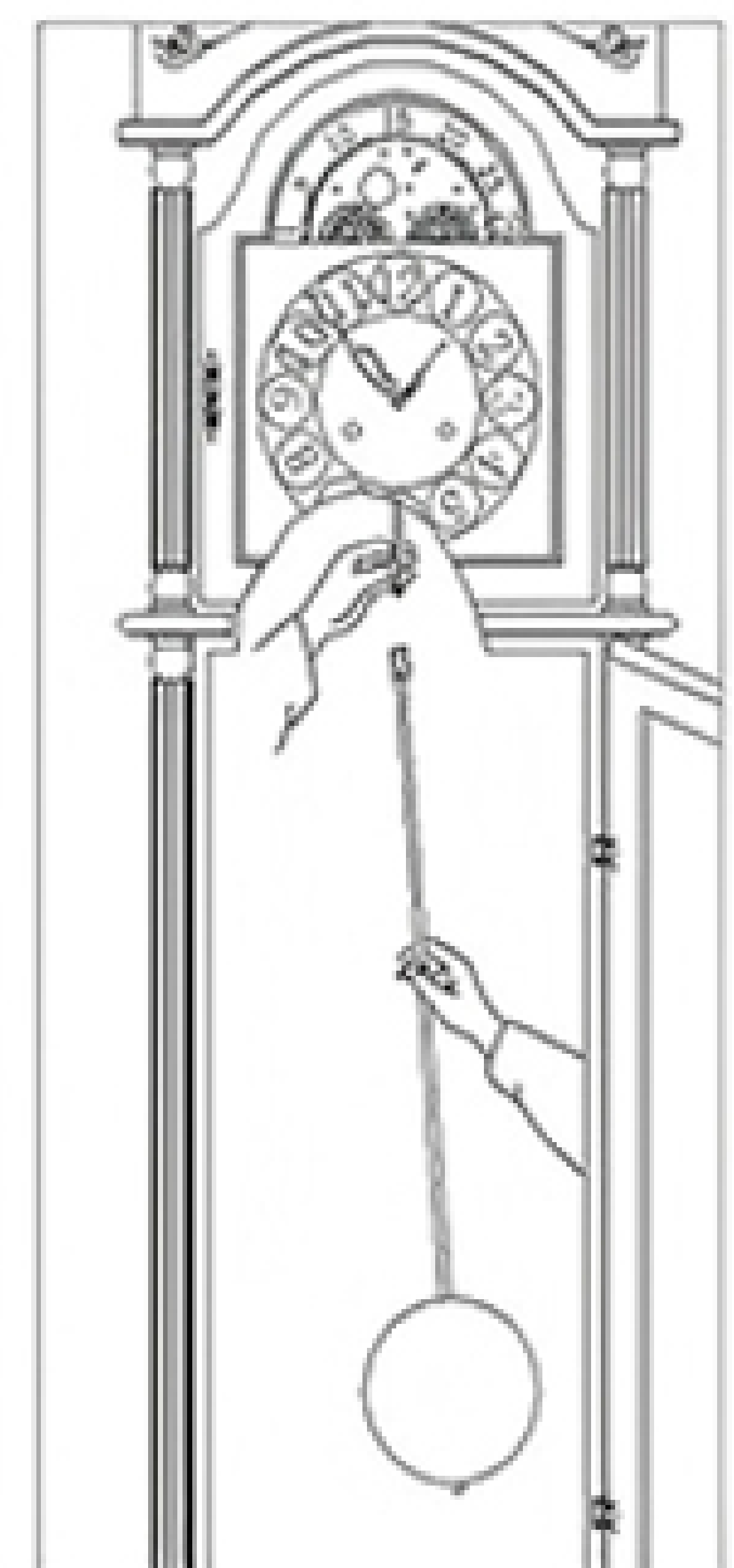
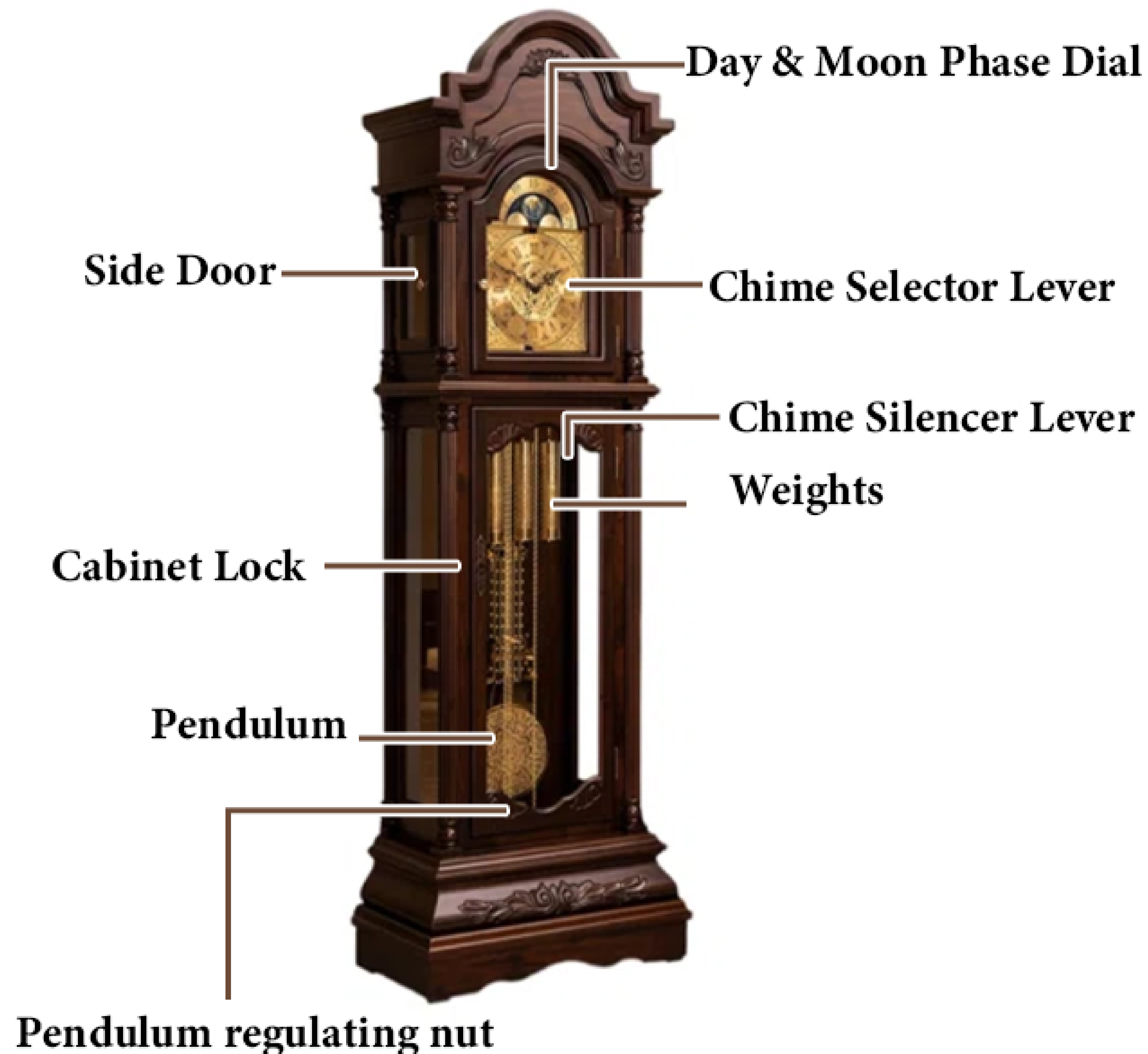


Figure 3



4. For chain-driven movements:

Remove the small plastic bag wrapping the chains under the clock movement and let the chains hang down naturally. Carefully take out the metal wire securing the chains and store it properly for relocation use later. Hold both ends of the chain with each hand and pull the chain up and down in short strokes to check for chain disengagement. If you hear clear clicking sounds when pulling one side down gently while the other side cannot be pulled down, the chain is properly fitted. If not, the chain has slipped off and needs to be rehung (See Figure 2).

5. For cable-driven movements

Remove the foam block fixed between the pulley and cable reel after the clock has run for 24 hours.

(III) Hanging the Pendulum

1. Take out the pendulum and peel off all protective plastic film on the pendulum bob and weights before assembly.
2. Hold the suspension rod in one hand and the pendulum top in the other, then lock the pendulum hook into the rod slot. Do not let go until firmly attached. Straighten the pendulum by twisting its bottom slightly if it hangs askew (Fig.3).

(IV) Hanging the Weights

1. Chain-driven movement
 1. Unpack the weights and ensure all end screws are fully tightened.

2. Check the chains for overlapping links and straighten them before installation. Secure each weight firmly onto its corresponding chain hook and release carefully to prevent falling damage (Fig.4).

3. To wind the weights, gently support the weight with one hand while pulling the chain straight down slowly and steadily with the other hand (Fig.5).

Caution: Do not pull the chain forcefully or lift the weight upward, as improper operation may cause the weight to slip off the hook.

2. Cable-driven movement

1. Before mounting weights, place the pulley atop the steel cable and route the cable through its groove.

2. Take out the foam spacer between pulley and cable reel after the clock runs 24 hours.

3. Winding Weights

Insert the crank into the dial hole and wind clockwise until fully tensioned. Avoid touching or lifting weights to stop cable overwinding.

(V) Start Pendulum

Open front door. Swing pendulum fully to one side then release. Repeat if swing is unsteady. Regular tick-tock means normal operation (Figure.6).

(VI) Set Time

Turn only the minute hand clockwise; never adjust the hour hand. Slide the right dial lever to top silent position before setting time to protect the chime mechanism.

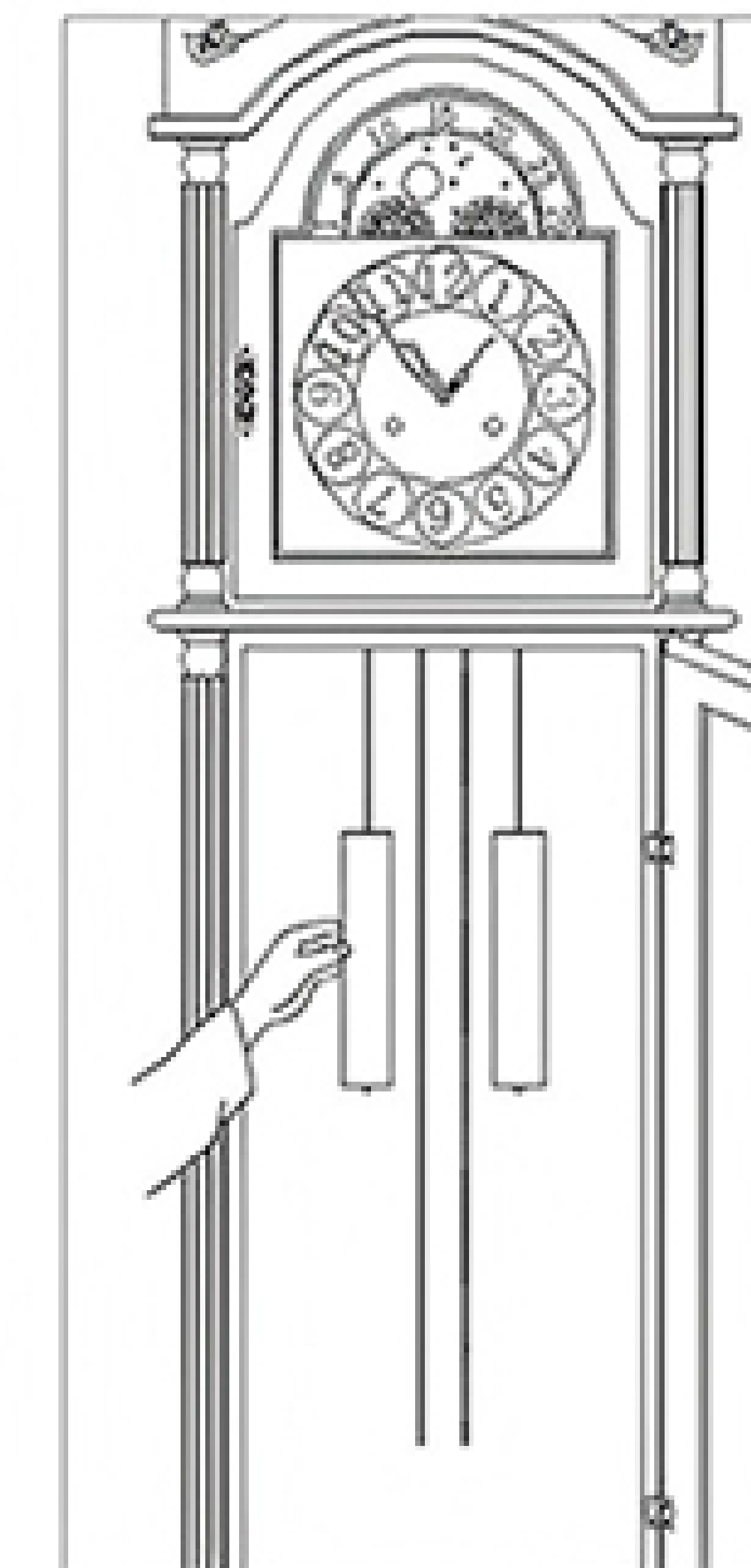


Figure 4

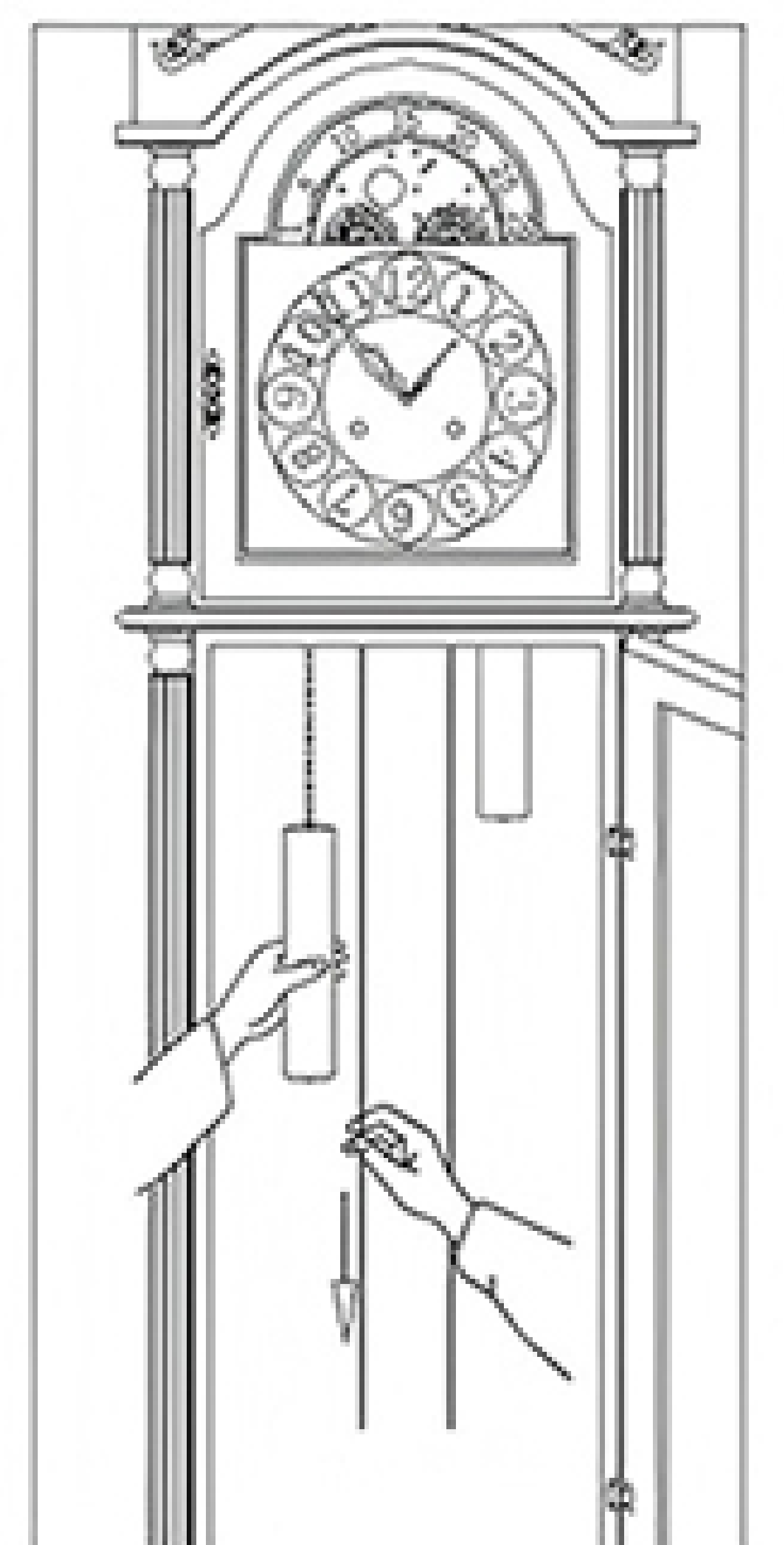


Figure 5

(VII) Day & Moon Phase Adjustment

1. Day display: Some clocks feature a day dial marked with sun, moon and numbers 6-12-6, showing sun and blue sky from 6 a.m. to 6 p.m., moon and starry sky for night via gear drive. If the display is reversed, turn the minute hand 12 full rounds to correct it.
2. Moon phase: This dial tracks lunar cycles. Hold the dial lightly and turn it clockwise for adjustment. Align the moon icon below number 15 for the 15th lunar day, or overlap it with the earth icon for the 1st lunar day. Based on a 29.5-day lunar cycle, recalibration is required every six months.

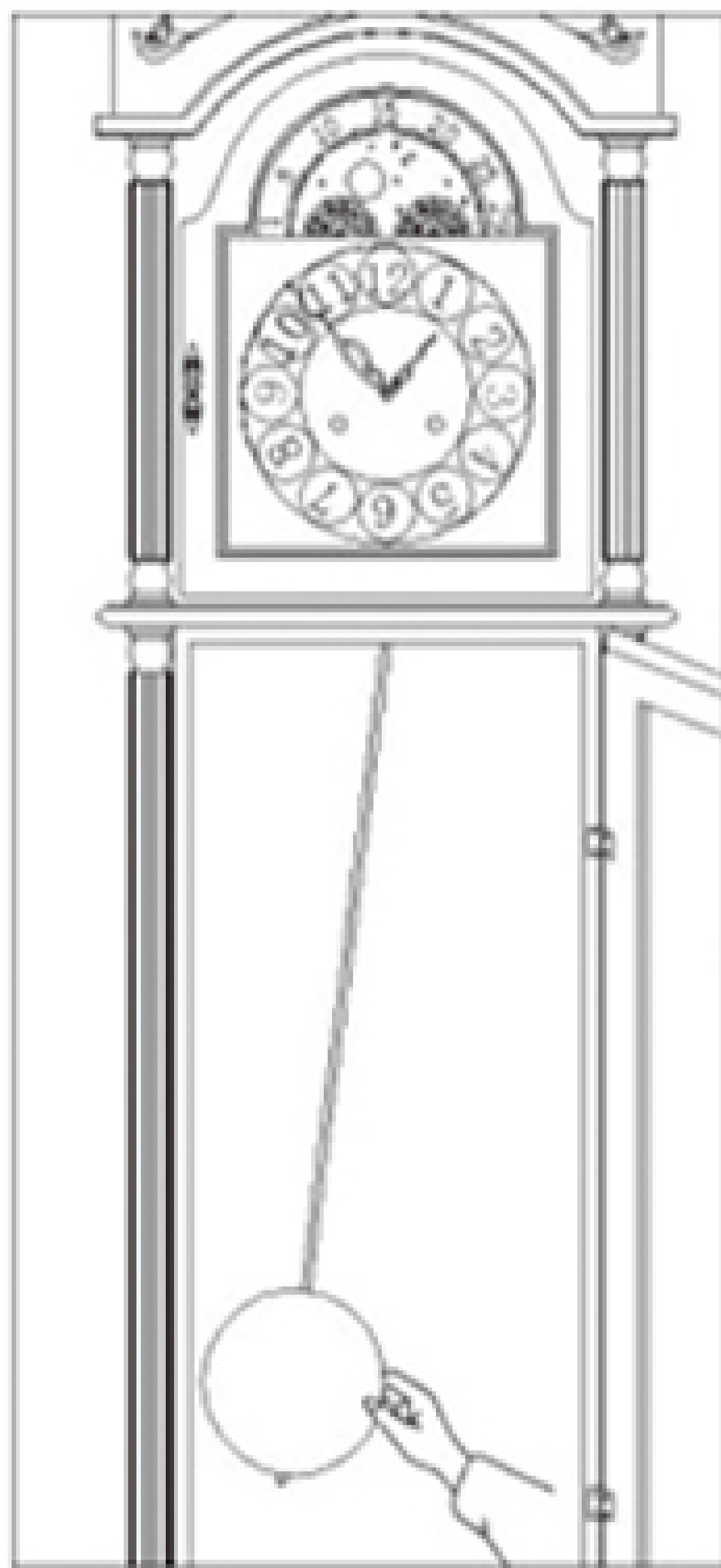


Figure 6

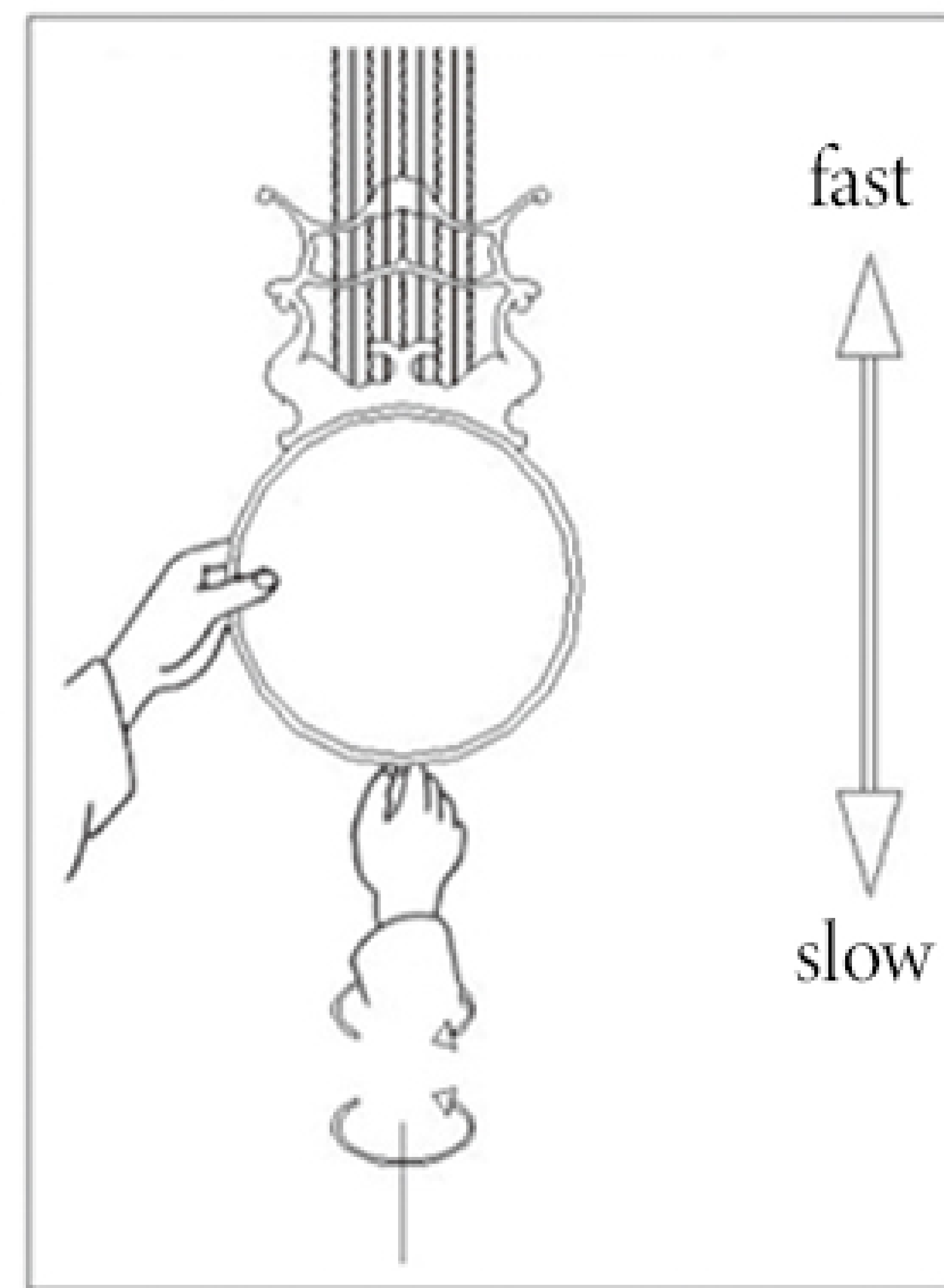


Figure 7

(VIII) Chime Setting

1. Turn off chime: Slide the lever on the right of dial to the top position.
2. Turn on chime: Pull the right dial lever all the way down. Three positions under the 12-tone mark play different melodies.
3. Night mute / All-day chime: With chime activated via the side lever, operate the pull rod at the dial bottom right. Push upward for chimes only in daytime; pull downward for chimes day and night. If the chime sequence is reversed, turn the minute hand 12 full rotations to reset.
4. Notice: Only adjust chime modes when the clock is not chiming.

II. Time Error Adjustment

Time-keeping errors caused by latitude, longitude, temperature and altitude can be corrected via the regulating nut under the pendulum (Fig.7). One full turn (360°) of the nut changes the clock rate by approximately ± 20 seconds per 24-hour day. Turn the nut upward to make the clock run faster; turn it downward to slow it down.

III. Main Technical Specifications

1. Weight-driven movement: 7-8 days runtime per full winding.
2. At ambient temperature of 18°C-25°C, the average daily time error of the weight-driven pendulum clock is ± 8 seconds, with daily deviation within ± 10 seconds during operation.
3. The clock keeps running within an ambient temperature range of -10°C to 50°C.

IV. Maintenance & Precautions

Clock Relocation

Do not move or bump the floor clock while it is running. Stop the pendulum before relocation. For indoor moving, remove the weights and pendulum first. Lift the whole clock during transportation and avoid excessive tilting. After placing it in the new position, level and align the clock vertically. Reinstall the pendulum and weights, then start the pendulum for operation.

1. Wind the clock on a regular basis, otherwise the clock will stop working.
2. For weight-driven movements, stop the pendulum if you plan to be away for more than one week, and restart it after you return home.
3. Keep the front door, side doors and chime window properly locked. Keep children away from the clock.
4. In extremely dry areas, place a cup of water on the open base to maintain humidity and prevent cabinet cracking. In humid environments, place several moisture-absorbent packs inside the base compartment.
5. Wear gloves whenever handling the clock.
6. Position the clock away from direct sunlight and heat sources, and protect it from moisture and corrosive fumes.

V. Troubleshooting

1.Strike count does not match hour-hand reading

If the strike count mismatches the hour-hand reading after several hours of operation, simply adjust the hour hand (short hand) to align with the struck number.

2.Causes for no chime

- (1) Confirm whether chime function has been turned off.

- (2) Check for obstructions blocking the hammers or friction between hammers.

- (3) Verify that the chain-retaining metal wire has been removed.

- (4) Check if any object is blocking the weights.

3.Clock stops or fails to run

Self-repair is not recommended. You may perform the following checks per this manual before contacting your dealer or service technician.

- (1) Ensure all packaging materials are removed from the movement, including retaining wire, shock-proof cardboard, rubber bands and tacks.

- (2) Restart the pendulum with the widest possible swing amplitude.

- (3) Check whether the pendulum hits the gong spring or rubs against the movement frame.

- (4) Confirm the clock is placed on a vertical and stable surface.

- (5) Check whether the minute and hour hands rub against each other, or touch the dial and glass.

- (6) Check if the pendulum is tilted.

- (7) Confirm whether the chain has slipped off the sprocket.

- (8) Inspect the pendulum spring for tilt or breakage.

4.Uneven weight drop

Different-falling speeds among the three weights are normal. The two side-weights will not descend when chime function is turned off.