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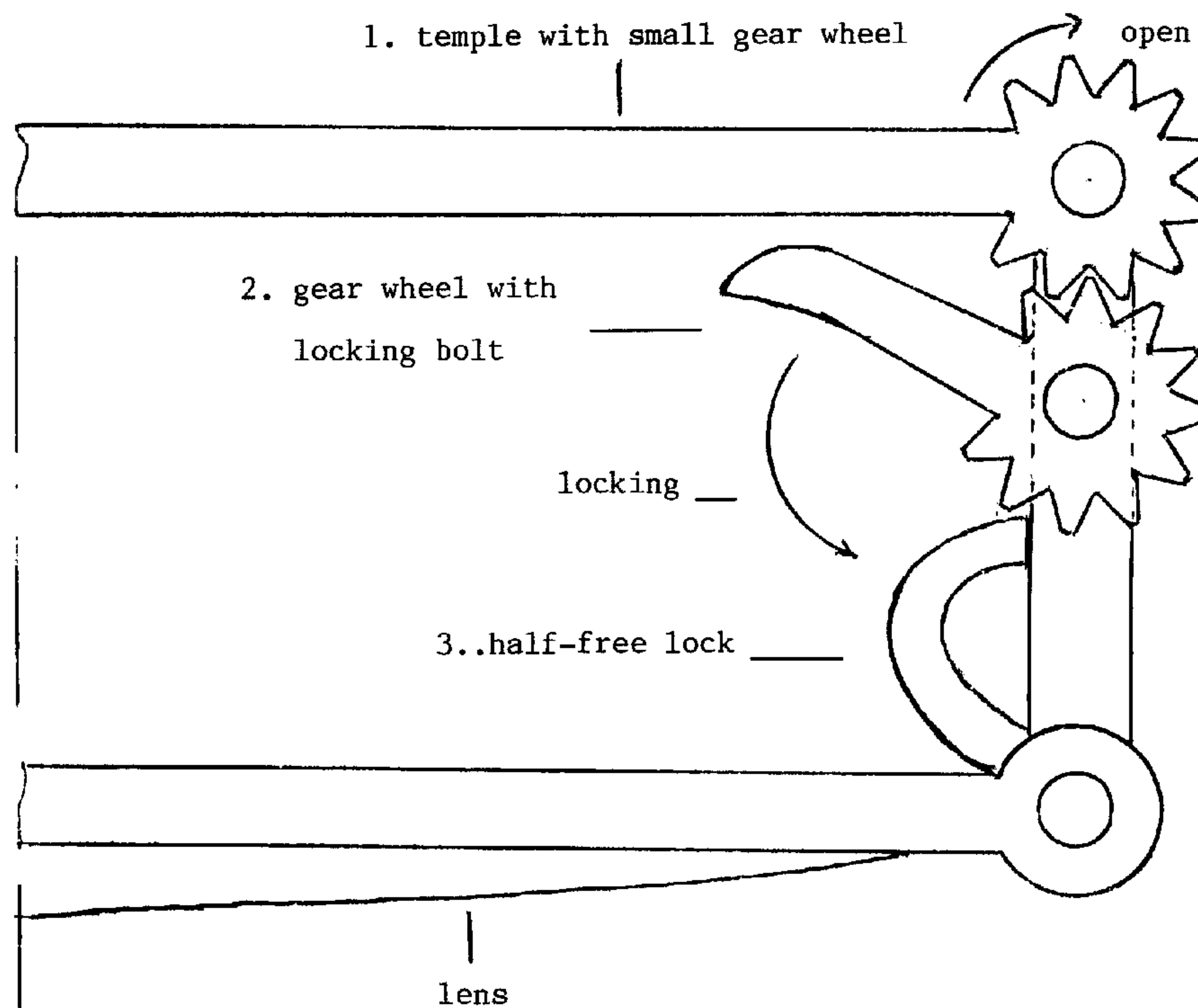
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(54) Titre : PINCE DE MONTURE INTELLIGENTE

(54) Title: SMART FRAME/CLIP



INVENTION: SMART FRAME/CLIP

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These years magnetic easy frame/clip is very popular among people wearing glasses. Though easy to use when it's new, it'd become non-reliable after using a period of time. This invention is to offer a new frame/clip which is easy to use, reliable while exactly matching various kinds of styles of designs.

This frame/clip is mainly comprised of the following parts:

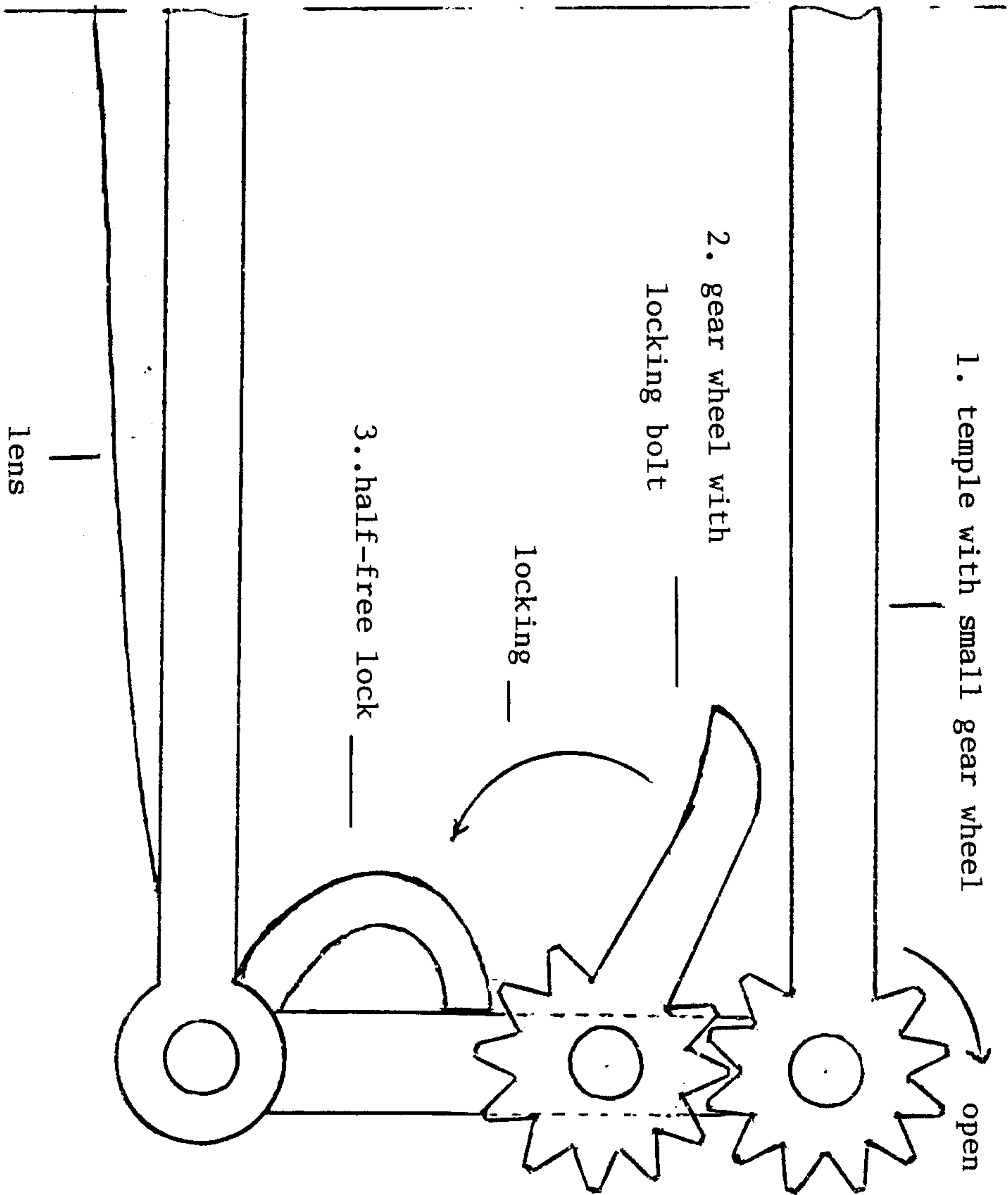
1. temple with small gear wheel;
2. gear wheel with locking bolt;
3. half-free lock (with spring or similar function part);
4. half-free bolt of the clip.

The above description includes the parts on one side, let's say, the left side covering the left eye. For the other side, the right side covering the right eye, the same parts would be at the same symmetrical positions.

Part 1, 2, 3 may refer to drawing (1). Part 1 is connected to part 2, so that when part 1 turns clockwise, part 2 would turn anti-clockwise; when part 1 turns anti-clockwise, part 2 would turn clockwise. Part 4 may refers to drawing (2)

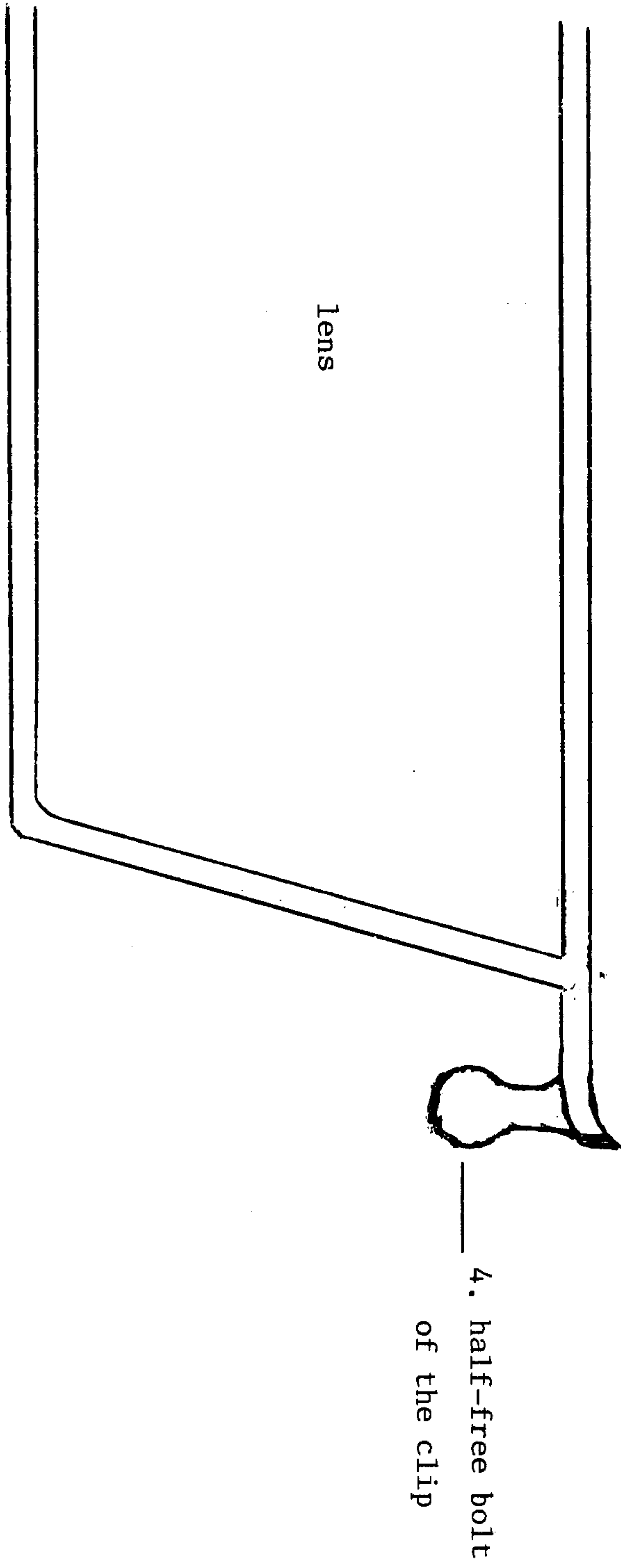
When it's put to use, first inserts part 4 into the space between part 1 and 3. Then open part 1. When part 1 is opened, the small gear wheel of part 1 would turn, let's say, clockwise, so that it would drive part 2 to turn anti-clockwise, causing the locking bolt of part 2 completely lock the half-free lock (part 3). Therefore when people wear their glasses, or when the temples were kept at opening positions, the clip would be firmly connected with the frame.

When people want to strip the clip off the frame, just close the temples, so that the gear wheels of part 1 would drive part 2 to disconnect off part 3, so that part 3 would be restored to half-free status. Then part 4 could be easily stripped off part 3 -- the clip is stripped.



SMART FRAME/CLIP

Drawing (1)



SMART FRAME/CLIP

Drawing (2)

1. temple with small gear wheel

open

2. gear wheel with
locking bolt

locking

3..half-free lock

lens

