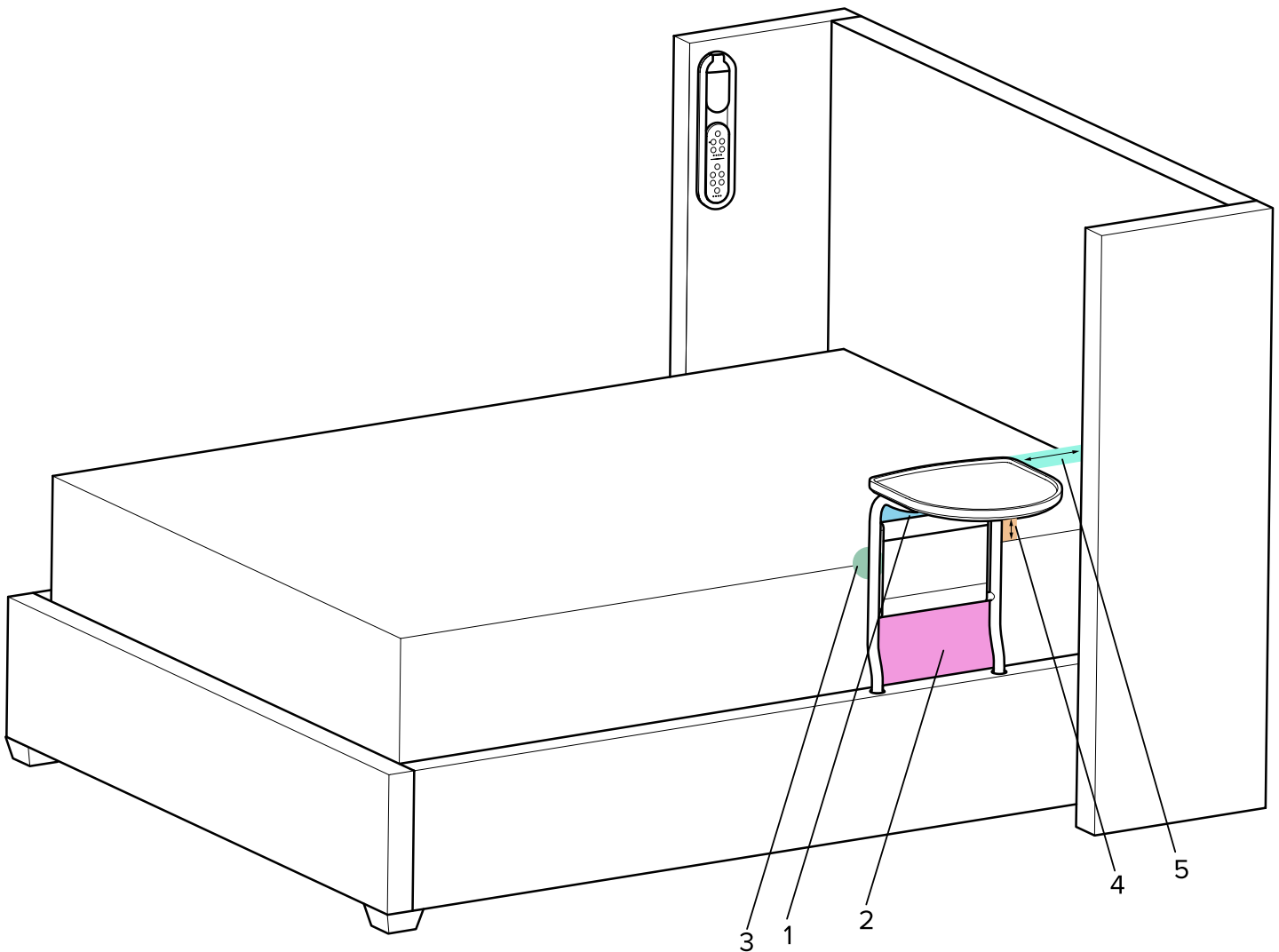


X1. EXAMPLES OF ENTRAPMENT

The following drawings (Figs. X1.1-X1.5) show examples of entrapments in Zones 1 – 5 for bed rails. These drawings do not illustrate every possible position in which a person may become entrapped.



Zone 1: Within the Rail

Zone 2: Under the Rail, Between the Rail Supports or Next to a Single Rail Support

Zone 3: Between the Rail and the Mattress

Zone 4: Under the Rail, at the Ends of the Rail

Zone 5: Between the End of the Rail and the Side Edge of the Head or Foot Board

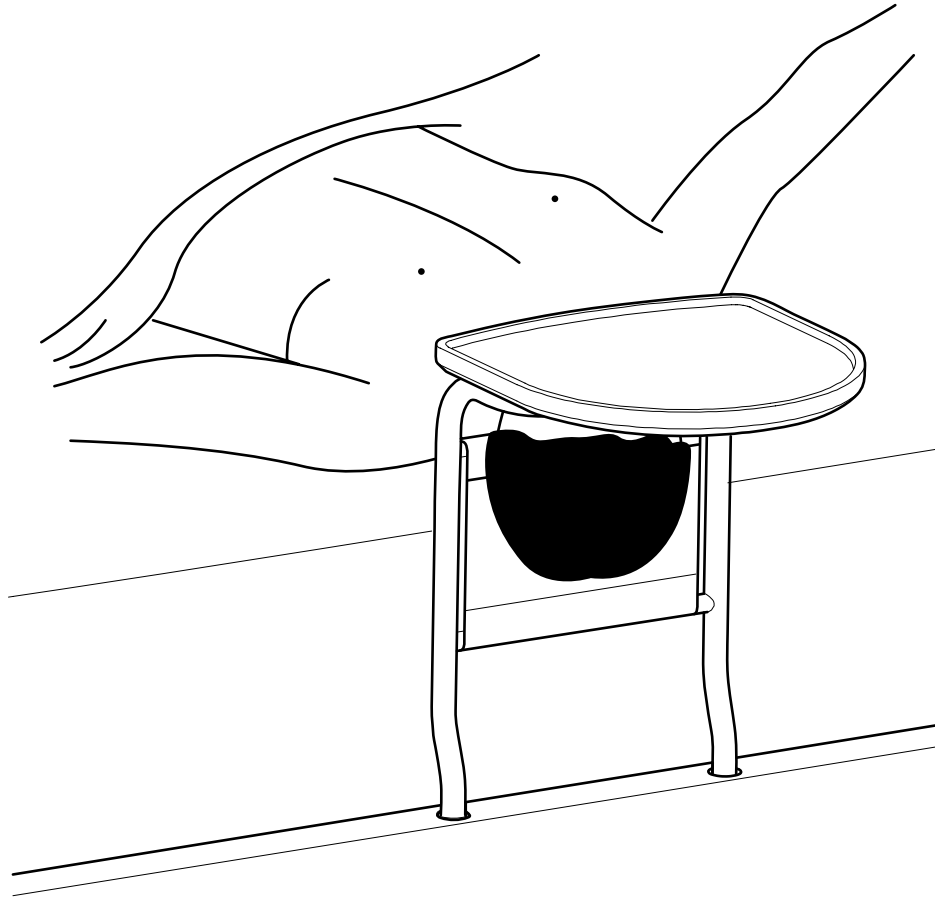


FIG. X1.1 - Zone 1 : Entrapment Within the Product

Zone 1 is any open space within the perimeter of the rail. Openings in the rail are small to prevent the head from entering. However, there are still risks of entrapment.

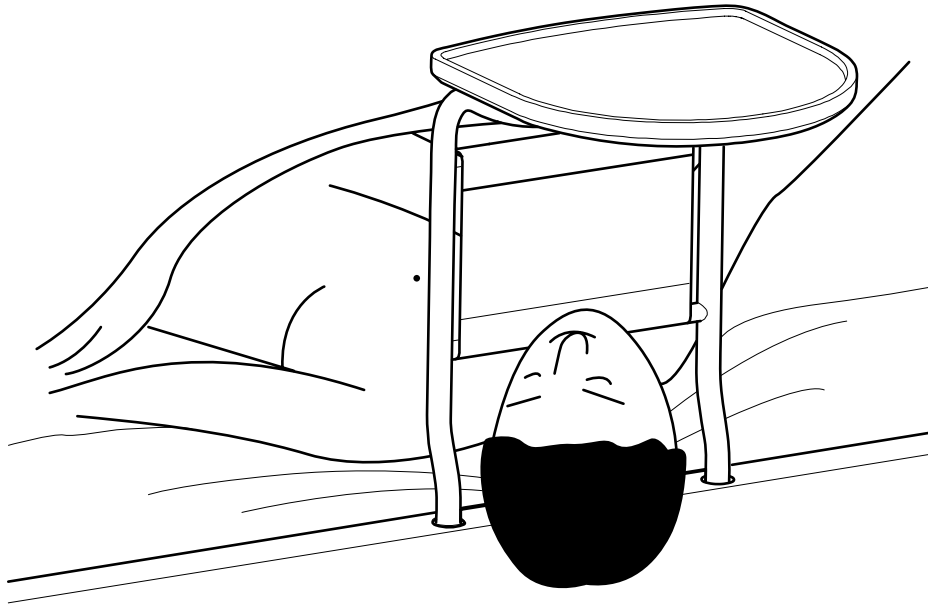


FIG. X1.2 - Zone 2 : Entrapment Under the Rail, Between the Rail Supports or Next to a Single Rail Support

This space is the gap under the rail between a mattress compressed by the weight of the user's head and the bottom edge of the rail at a location between the rail supports, or next to a single rail support. Entrapment in Zone 2 can occur anywhere along the bottom length of the rail beyond the support, up to the end of the rail.

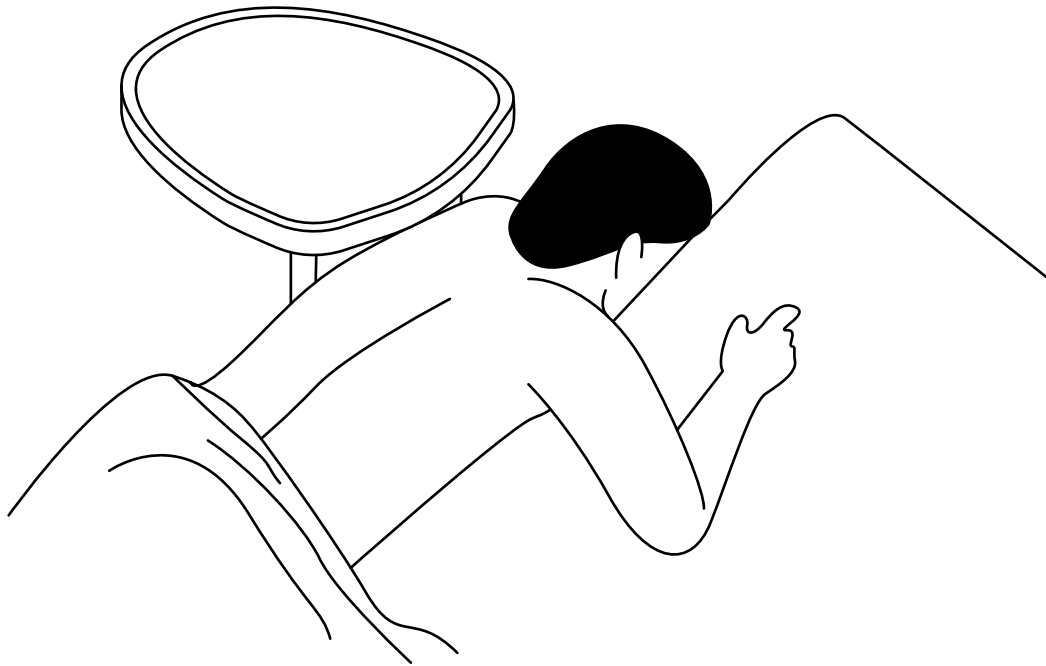


FIG. X1.3 - Zone 3 : Entrapment Between the Rail and the Mattress

This area is the space between the inside surface of the rail and the mattress compressed by the weight of the user's head. The space should be small to prevent head entrapment when taking into account the mattress compressibility, any lateral shift of the mattress or rail, and degree of play from loosened rails. However, there are still risks of entrapment.

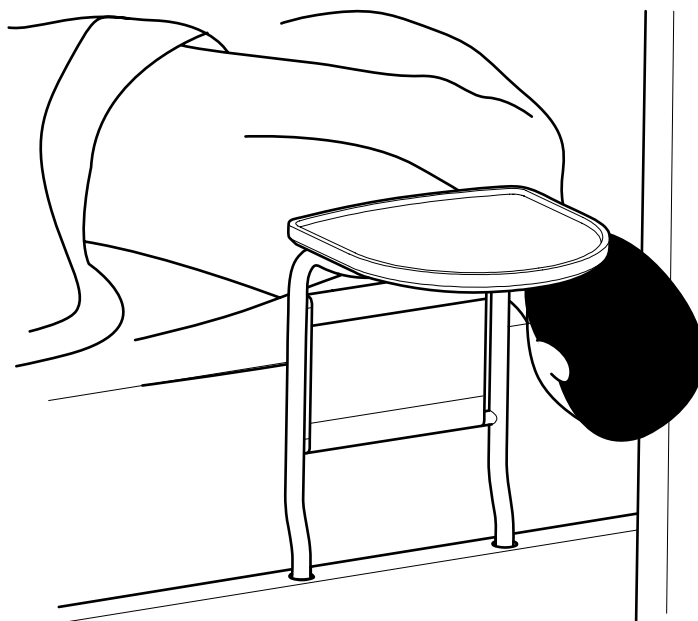


FIG. X1.4 - Zone 4 : Entrapment Under the Rail, at the Ends of the Rail

This space is the gap that forms between the mattress compressed by the patient, and the lowermost portion of the rail, at the end of the rail. Factors that may increase the gap size are: mattress compressibility, lateral shift of the mattress or rail, and degree of play from loosened rails. The space poses a risk for entrapment of the user's neck. It may change with different rail height positions and as the head or foot sections of the bed are raised and lowered. The space may increase, decrease, become less accessible, or disappear entirely. Thus, in some positions, the potential for entrapment in this zone may still exist.

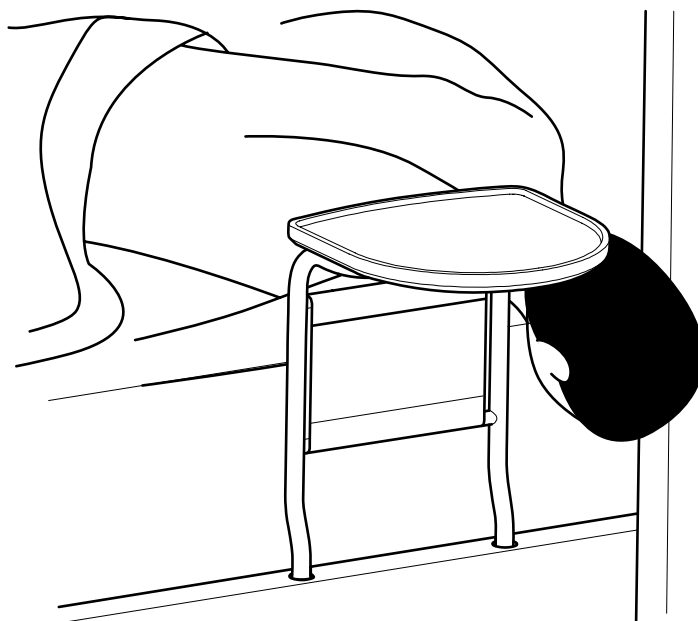


FIG. X1.5 - Zone 5 : Entrapment Between the End of the Rail and the Side Edge of the Head or Foot Board

Zone 5 is the space between the end of the rail and the side edge of the headboard or footboard. This space may present a risk of either neck entrapment or chest entrapment. In addition, any V-shaped opening between the end of the rail and the head or footboard may present a risk of entrapment due to wedging. This space may change when raising or lowering the head or foot sections of the bed. This space may increase, decrease, become less accessible, or disappear entirely. Thus, in some positions, the potential for entrapment may exist.