Claims

1. A mobile bungy jump apparatus comprising:

a wheeled vehicle chassis;

a retractable apparatus mounted on the wheeled vehicle chassis for providing a jump-off platform with a first stowed position for transportation or a first extended position for off-bridge access,

the jump-off platform movably coupled to the retractable apparatus and storable substantially within a footprint of the wheeled vehicle chassis when the jump-off platform is in the first stowed position, and extendable from the retractable apparatus when the retractable jump-off platform is in the first extended position for bungy jumping; and

a rigging frame fixedly coupled to the jump-off platform and configured to be secured to an end of a bungy cord having another end securable to a bungy jumper;

wherein the retractable apparatus includes: an intermediate section extendable relative to the wheeled vehicle chassis; and an end section movably coupled thereto, wherein the jump-off platform is movably coupled to the end section.

2. The mobile bungy jump apparatus of claim 1, wherein the retractable apparatus is configured to be arranged in a second stowed position when the jump-off platform is in the first stowed position for transportation, or a second extended position when the jump-off platform is in a first extended position for bungy jumping.

3. The mobile bungy jump apparatus of claim 1, wherein the jump-off platform is slidably coupled to the end section.

4. The mobile bungy jump apparatus of claim 1, wherein the jump-off platform is extendable from the end section in a direction orthogonal or parallel to a lengthwise direction of the end section.

5. The mobile bungy jump apparatus of claim 2, further comprising:

a recovery winch arm coupled to the retractable apparatus and configured to be secured to an end of a recovery cord having another end securable to the bungy jumper.

6. The mobile bungy jump apparatus of claim 5, wherein the recovery winch arm is rotatably coupled to the retractable apparatus and actuatable to allow placement of the recovered bungy jumper on the jump-off platform.

7. The mobile bungy jump apparatus of claim 2, wherein the retractable apparatus includes an under-bridge access apparatus.

8. The mobile bungy jump apparatus of claim 1, wherein the retractable apparatus is mounted on the wheeled vehicle chassis, and the jump-off platform is rotatably coupled to the retractable apparatus.

9. The mobile bungy jump apparatus of claim 8, further comprising a hinge rotatably coupling the jump-off platform to the retractable apparatus, and configured to transfer the jump-off platform from the first stowed position to the first extended position.

10. The mobile bungy jump apparatus of claim 8, wherein the retractable apparatus includes a triangle structure having one side with two vertices unmovably mounted to the wheeled vehicle chassis to secure the jump-off platform and a vertex unfixed to the wheeled vehicle chassis, and wherein the retractable apparatus is rotatably coupled to the jump-off platform to provide a rotation along an axis parallel to a lengthwise direction of the wheeled vehicle chassis by 90 degrees to transfer the jump-off platform from the first stowed position to the first extended position.

11. The mobile bungy jump apparatus of claim 8, further comprising:

a recovery winch arm coupled to the jump-off platform and configured to be secured to an end of a recovery cord having another end securable to a bungy jumper.

12. The mobile bungy jump apparatus of claim 11, wherein the recovery winch arm is rotatably coupled to the jump-off platform and actuatable to allow placement of the recovered bungy jumper on the jump-off platform.

13. A method of operating a mobile bungy apparatus which comprises: a wheeled vehicle chassis; a retractable apparatus mounted on the wheeled vehicle chassis; a jump-off platform movably coupled to the retractable apparatus; and a rigging frame fixedly coupled to the jump-off platform, the method comprising:

while maintaining the retractable apparatus in a second stowed position, arranging the mobile bungy jump apparatus at a current bungy jump site;

arranging the jump-off platform in a first extended position for bungy jumping;

securing an end of a bungy cord to the rigging frame and securing another end of the bungy cord to a bungy jumper; and

facilitating a jumping of the bungy jumper from the jump-off platform; wherein arranging the retractable apparatus in a second extended position includes: extending an intermediate section of the retractable apparatus relative to the wheeled vehicle chassis, wherein an end section is movably coupled to the intermediate section, wherein the jump-off platform is movably coupled to the end section.

14. The method of claim 13, wherein prior to securing the mobile bungy jump apparatus to a current bungy jump site, the method further comprising:

transporting the mobile bungy jump apparatus from a previous bungy jump site to the current bungy jump site, including arranging the retractable apparatus in a second stowed position during the transporting.

15. The method of claim 13, wherein prior to arranging the jump-off platform in the first extended position for bungy jumping, the method further comprising:

arranging the retractable apparatus in a second extended position to allow arrangement of the jump-off platform in the first extended position for the bungy jumping.

16. The method of claim 13, wherein the jump-off platform is slidably coupled to the end section, wherein arranging the jump-off platform in the first extended position for bungy jumping includes:

slidably extending the jump-off platform relative to the end section.

17. The method of claim 13, wherein arranging the jump-off platform in the first extended position includes:

extending the jump-off platform from the end section in a direction orthogonal or parallel to a lengthwise direction of the end section.

18. The method of claim 13, further comprising:

securing an end of a recovery cord to a recovery winch arm which is coupled to the retractable apparatus and securing another end of the recovery cord to the bungy jumper.

19. The method of claim 18, wherein the recovery winch arm is rotatably coupled to the retractable apparatus, wherein after facilitating the jumping of the bungy jumper, the method further comprising:

rotatably actuating the recovery winch arm to place the recovered bungy jumper on the jump-off platform.

20. The method of claim 13, wherein the retractable apparatus includes an under-bridge access apparatus.

21. The method of claim 13, wherein prior to arranging the jump-off platform in the first extended position for bungy jumping, the method further comprising:

rotating the jump-off platform with 90 degrees via a hinge which is coupled to the retractable apparatus, along an axis parallel to a lengthwise direction of the wheeled vehicle chassis to transfer the jump-off platform from the first stowed position to the first extended position, and wherein the retractable apparatus is remained in the same position while the jump-off platform is in the first stowed position.

22. The method of claim 21, further comprising:

securing an end of a recovery cord to a recovery winch arm which is coupled to the jump-off platform and securing another end of the recovery cord to the bungy jumper.

23. The method of claim 22, wherein the recovery winch arm is rotatably coupled to the retractable apparatus, wherein after facilitating the jumping of the bungy jumper, the method further comprising:

rotatably actuating the recovery winch arm to place the recovered bungy jumper on the jump-off platform.