What is claimed is:

1. A clamp apparatus comprising:

a body;

first and second handles, each operatively coupled to the body;

a first gear set operatively coupled to the first handle and a second gear set operatively coupled to the second handle, wherein the first gear set is configured to operatively engage the second gear set;

first and second movable grippers each operatively coupled to the body;

a third gear set operatively coupled to the first movable gripper and a fourth gear set operatively coupled to the second movable gripper, wherein the third gear set operatively engages the fourth gear set; and

at least one bias member configured to operatively engage with the third gear set and the fourth gear set, wherein the at least one bias member is configured to urge the first movable gripper and the second movable gripper toward a clamped position;

wherein the first gear set and the second gear set form a first locking assembly comprising:

a first hook coupled to the first gear set;

a second hook coupled to the second gear set;

a first catch coupled to the third gear set, wherein the first hook locks into place within the first catch when the first movable gripper and the second movable gripper are in the clamped position; and

a second catch coupled to the fourth gear set, wherein the second hook locks into place within the second catch when the first movable gripper and the second movable gripper are in the clamped position.

2. The clamp apparatus of claim 1, wherein the first gear set and the second gear set are rotatably coupled to the body.

3. The clamp apparatus of claim 1, wherein the third gear set and the fourth gear set are rotatably coupled to the body.

4. The clamp apparatus of claim 1, wherein the first gear set and the third gear set are rotatably coupled to the body and share an axis of rotation.

5. The clamp apparatus of claim 1, wherein the third gear set and the fourth gear set are rotatably coupled to the body and share an axis of rotation.

6. The clamp apparatus of claim 5, wherein the first catch and the first hook and the second catch and the second hook are configured to permit rotational movements of the first handle and the second handle in advance of subsequent rotational movements of the first gripper and the second gripper.

7. The clamp apparatus of claim 6, wherein the rotational movements of the first handle and the second handle are configured to perform an unlocking function, permitting rotational movements of the first gripper and the second gripper.

8. The clamp apparatus of claim 1, wherein the first movable gripper and the second movable gripper have interdigitated fingers when the at least one bias member is subject to a maximum allowable deformation.

9. The clamp apparatus of claim 1, wherein the at least one bias member is configured to bias the first movable gripper and the second movable gripper toward one another.

10. The clamp apparatus of claim 1, wherein the first movable and the second movable gripper are configured to close onto a pole.

11. The clamp apparatus of claim 1, wherein the at least one bias member is a spring.

12. The clamp apparatus of claim 1, wherein the at least one bias member is a flat spring.

13. The clamp apparatus of claim 1, wherein the at least one bias member is a leaf spring.

14. The clamp apparatus of claim 1, wherein the at least one bias member is under a preload tension.

15. The clamp apparatus of claim 1, wherein the first handle and the second handle are paddles.

16. The clamp apparatus of claim 1, wherein the first handle and the second handle are actuatable.

17. The clamp apparatus of claim 1, wherein the first gripper and the second gripper are rubber.

18. The clamp apparatus of claim 1, wherein the first handle and the second handle are independently operatively attached to the body via pins.

19. The clamp apparatus of claim 1, wherein the first handle and the second handle are independently hinged to the body.

20. The clamp apparatus of claim 1, wherein axes about which the first handle and the second handle are hinged to the body are parallel.

21. The clamp apparatus of claim 1, wherein the first movable gripper and the second movable gripper have facing inside surfaces that are approximately concave.

22. The clamp apparatus of claim 1, wherein the clamp is configured to couple a medical device to a support pole.

23. The clamp apparatus of claim 1, wherein the clamp is configured to couple a medical device to an IV pole.

24. The clamp apparatus of claim 23, wherein the medical device is a monitor comprising a tablet computer.