5. The power assisted apparatus of any of claims 1 to 4, wherein the outer casing is securable in the closed position by screws or bolts.

6. A method of installing hose and/or pipe segments using a power-assisted apparatus, the method comprising:

aligning two proximate hose and/or pipe segments such that a union wing nut of one of the two segments overlaps the two segments;

mounting an inner annulus of the power-assisted apparatus onto the union wing nut by having the inner annulus encircle the union wing nut, and having a plurality of lug slots of the inner annulus engage with a plurality of lugs of the union wing nut;

mounting an outer casing of the power-assisted apparatus onto the inner annulus to retain the inner annulus therein;

securing the outer casing in a closed position wherein the power-assisted apparatus engages the union wing nut and wherein a pinion gear provided at the outer casing engages with a gear-teeth outer circumference of the inner annulus; and

using a power-assistor actuator of the power-assisted apparatus, driving thea pinion gear ~~provided at the outer casing~~ to turn the inner annulus together with the union wing nut engaged therewith.

7. The method of claim 6, further comprising:

moving the outer casing and the inner annulus to an open position wherein the union wing nut is released from the power-assisted apparatus.

8. The method of any of claims 6 to 7, wherein using a power-assistor actuator of the power-assisted apparatus includes using one of a hydraulic piston, an electric motor and a pneumatic gun.

9. A method of uninstalling hose and/or pipe segments using a power-assisted apparatus, the method comprising:

mounting an inner annulus of the power-assisted apparatus onto a union wing nut of two joined hose and/or pipe segments by having the inner annulus encircle the union wing nut, and having a plurality of lug slots of the inner annulus engage with a plurality of lugs of the union wing nut;

mounting an outer casing of the power-assisted apparatus onto the inner annulus to retain the inner annulus therein;

securing the outer casing in a closed position wherein the power-assisted apparatus engages the union wing nut and wherein a pinion gear provided at the outer casing engages with a gear-teeth outer circumference of the inner annulus; and

using a power-assistor actuator of the power-assisted apparatus, driving thea pinion gear ~~provided at the outer casing~~ to turn the inner annulus together with the union wing nut engaged therewith.

10. The method of claim 9, further comprising:

moving the outer casing and the inner annulus to an open position wherein the union wing nut is released from the power-assisted apparatus.

11. The method of any of claims 9 to 10, wherein using a power-assistor actuator of the power-assisted apparatus includes using one of a hydraulic piston, an electric motor and a pneumatic gun.