

substantially increased from the fluid pressure of the lubricant supplied to the gun from the bucket pump assembly 12. When the spring 46 forces the piston 38 of the pump completely to the bottom of the interior bore of the cylinder 32, the operator need only pull upward 5 on the handle 40 to refill the interior of the cylinder 32 with lubricant and reestablish the flow of lubricant through hose 16 to the grease gun.

While the present invention has been described by reference to a specific embodiment, it should be understood that modifications and variations of the invention may be constructed without departing from the scope of the invention defined in the following claims. 10

What is claimed is:

1. A fluid dispensing system comprising: 15

a self contained fluid pump adapted to be placed in fluid communication with a source of fluid, and adapted to both draw fluid from the source and deliver the fluid at a first pressure;

a first fluid communication means adapted to receive the fluid delivered by the fluid pump and to conduct flow of the fluid; 20

a second fluid communication means adapted to receive compressed air from a compressed air source and to conduct flow of the compressed air; 25

a fluid dispensing means adapted to receive fluid at the first pressure from the first fluid communication means and compressed air from the second fluid communication means and to selectively dispense a predetermined quantity of the fluid at a second pressure; 30

the fluid pump being a manually primed pump having a cylinder with a manually displaceable piston slidably received in the cylinder and a spring between the piston and cylinder, the piston being adapted to be manually displaced against the spring bias to a first position to draw fluid into the cylinder and prime the pump, and the piston being adapted to be displaced to a second position by the bias of the spring to force fluid drawn into the cylinder out of the cylinder and into the first fluid communication means. 35

2. The dispensing system of claim 1 comprising: the second pressure being greater than the first pressure. 45

3. The dispensing system of claim 1 comprising: the fluid being a lubricant.

4. The dispensing system of claim 1 comprising: the fluid pump being adapted to be securely attached to the source of fluid. 50

5. The dispensing system of claim 1 comprising: a fluid conduit passing through the center of the piston and in fluid communication with the first fluid communication means, the conduit being adapted to conduct the fluid forced out of the cylinder by the piston to the first fluid communication means. 55

6. The dispensing system of claim 4 comprising: the fluid pump being secured to a cover assembly, the cover assembly being adapted to be securely attached to a source of fluid contained in a container. 60

7. The dispensing system of claim 1 comprising: the first fluid communication means including a first hose communicating the fluid pump with the dispensing means; and the second fluid communication means including a second hose adapted to communicate a source of compressed air with the dispensing means. 65

8. The dispensing system of claim 5 comprising:

the first fluid communication means including a hose, the hose being connected for fluid communication with the fluid conduit at one end and connected for fluid communication with the fluid dispensing means at an opposite end.

9. The dispensing system of claim 1 comprising: the fluid dispensing means including a first pressure inlet adapted to receive fluid at the first pressure from the first fluid communication means, and a second pressure inlet adapted to receive compressed air from the second fluid communication means.

10. The dispensing system of claim 7 comprising: the fluid dispensing means including a first inlet adapted to be attached in fluid communication with the first hose, and a second inlet adapted to be attached in fluid communication with the second hose.

11. The dispensing system of claim 1 comprising: the fluid dispensing means having a chamber adapted to be selectively supplied with compressed air from the second fluid communication means; a piston slidably received in the chamber and spring-biased toward a first end of the chamber, the piston being adapted to slide to a second end of the chamber against the spring bias on selective supply of compressed air to the chamber; a barrel adapted to be supplied with fluid at the first pressure from the first fluid communication means; and a plunger connected to the piston and slidably received in the barrel, the plunger being adapted to force fluid supplied to the barrel out of the barrel at the second pressure when compressed air is selectively supplied to the chamber.

12. The dispensing system of claim 11 comprising: the fluid dispensing nozzle including a manually operable trigger valve adapted to selectively supply compressed air from the second fluid communication means to the chamber.

13. A combined pneumatic/manual fluid dispensing system comprising:

a self contained manual fluid pump adapted to both draw fluid from a fluid source and supply the fluid drawn at a first pressure;

a pneumatic fluid dispenser adapted to receive fluid at the first pressure supplied by the manual fluid pump and to receive compressed air from a compressed air source, and adapted to dispense the fluid received at a second pressure, greater than the first pressure; the fluid pump being a manually primed pump having a cylinder with a manually displaceable piston slidably received in the cylinder and a spring between the piston and cylinder, the piston being adapted to be manually displaced against the spring bias to a first position to draw fluid into the cylinder and prime the pump, and the piston being adapted to be displaced to a second position by the bias of the spring to force fluid drawn into the cylinder out of the cylinder and into the first fluid communication means. 65

14. The fluid dispensing system of claim 13 comprising:

a first hose connected between the manual fluid pump and the pneumatic dispenser to convey the fluid supplied by the manual fluid pump to the pneumatic dispenser; and

a second hose connected to the pneumatic dispenser and adapted to be connected to a compressed air