

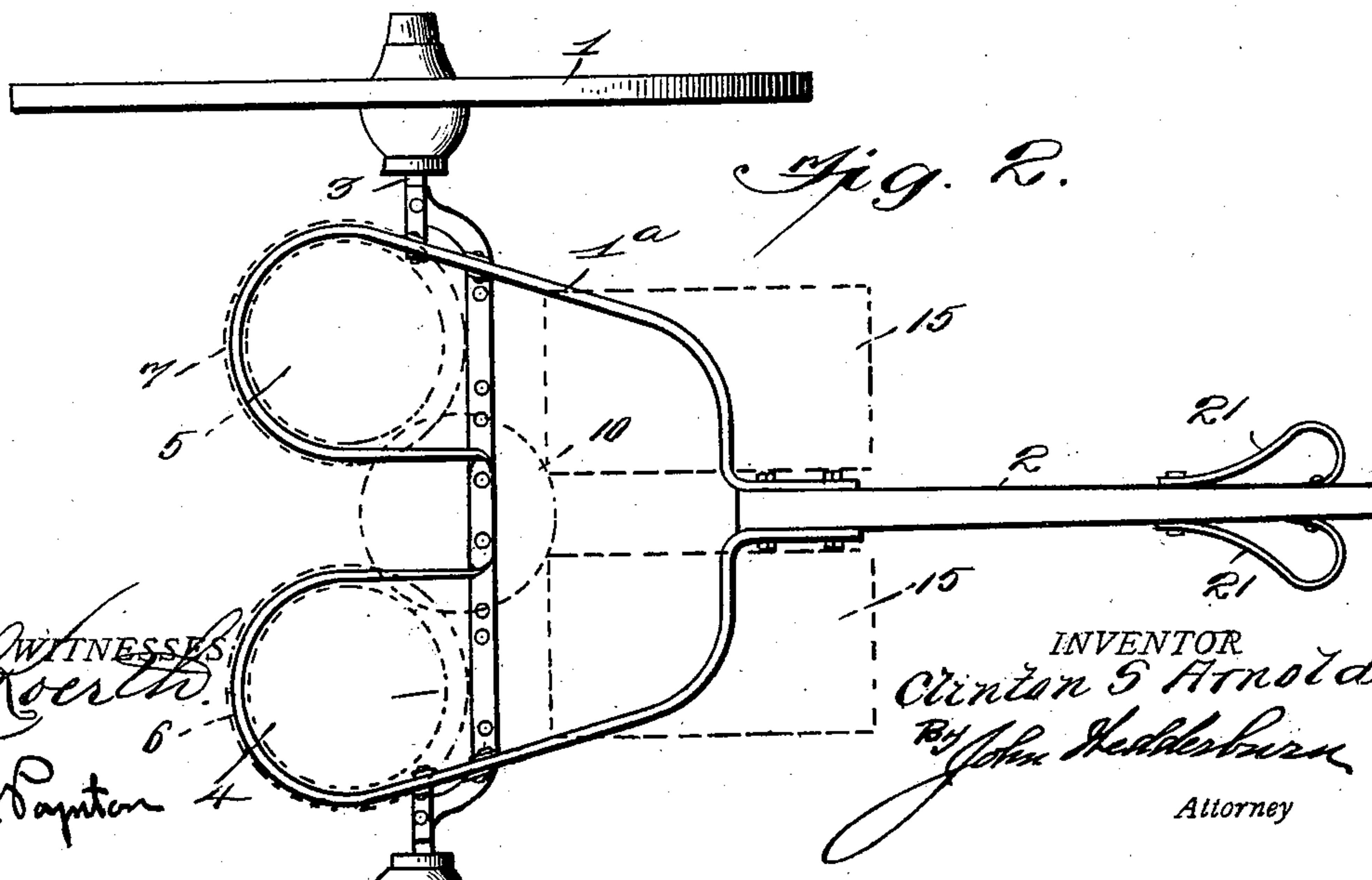
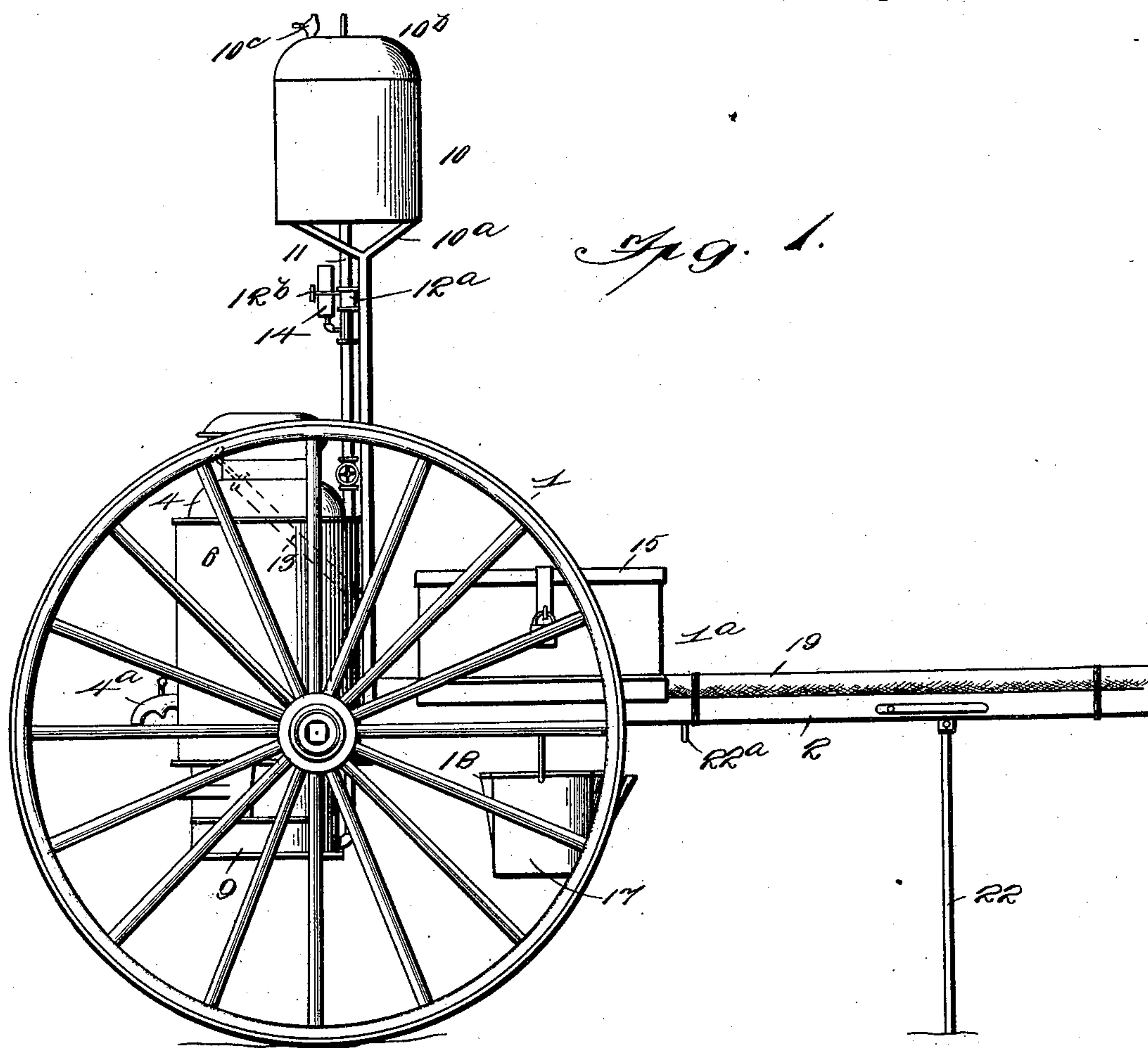
(No Model.)

2 Sheets—Sheet 1.

C. S. ARNOLD.
REFRESHMENT CART.

No. 601,928.

Patented Apr. 5, 1898.



WITNESSES
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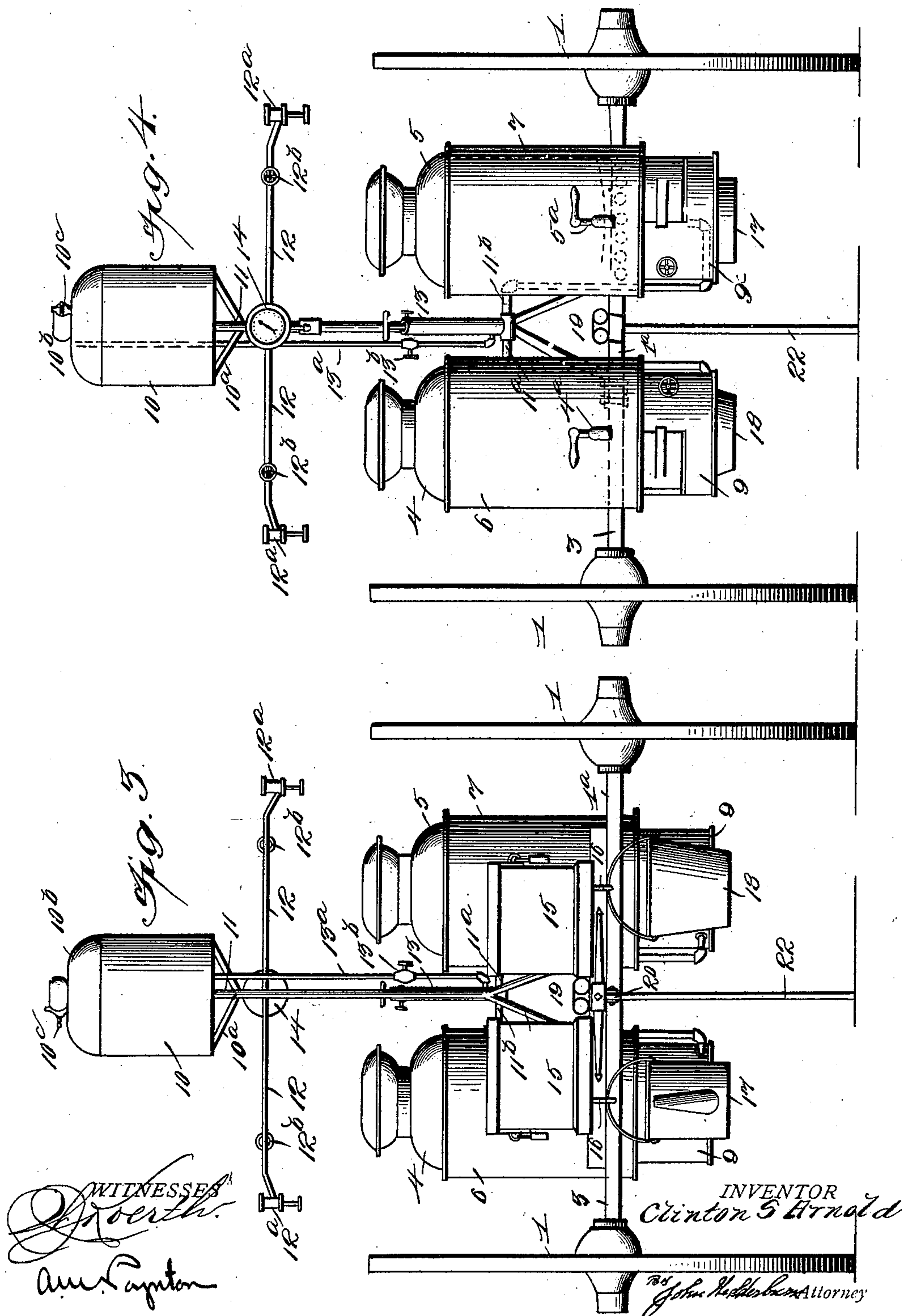
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UNITED STATES PATENT OFFICE.

CLINTON S. ARNOLD, OF SING SING, NEW YORK.

REFRESHMENT-CART.

SPECIFICATION forming part of Letters Patent No. 601,928, dated April 5, 1898.

Application filed March 30, 1897. Serial No. 629,936. (No model.)

To all whom it may concern:

Be it known that I, CLINTON S. ARNOLD, a citizen of the United States, residing at Sing Sing, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Refreshment-Carts; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to certain improvements in refreshment-carts, the object being to provide a cart of a character particularly well adapted for use in conveying coffee, sandwiches, and other edibles to firemen and others unable to leave their labors, as well as to provide means whereby a stretcher, court-plaster, liniment, and other necessary medical equipments may be carried ready for emergencies.

The invention also provides means whereby the coffee can be heated and the cart illuminated at night, and comprises certain novel features of construction and arrangement of parts whereby other important advantages are gained, as will be hereinafter fully described, and specifically defined in the appended claims.

In the accompanying drawings, Figure 1 represents a side elevation of a cart embodying my invention. Fig. 2 is a plan view of the same; and Figs. 3 and 4 are rear and front elevations, respectively.

Similar reference-numerals indicate corresponding parts in all the figures of the drawings.

1 indicates the wheel, and 1^a the body portion, shown as two metal plates, the forward ends of which are attached to the pole 2, from which point they branch off at right angles and then incline outwardly beyond the axle 3, where they turn again inwardly in loop form, their terminals being fastened securely to the axle, which is shown bent into crank form and provided with offsets or inwardly-extending portions on which the outer portions of the metal frame-loops rest, as shown in Fig. 2. This forms a convenient support for the vessels 4 and 5 and outer jackets 6 and 7, the said vessels being intended for use in carry-

ing coffee or other liquids and being provided near their lower ends with faucets 4^a and 5^a for drawing off the same, and the lower ends are provided with a series of openings which constitute air-passages through which the products of combustion from the burners below will pass out and up between the jackets 6 and 7 and the vessels 4 and 5, thus disseminating the heat over the entire surface and heating the liquids contained therein. The covers of the vessels 4 and 5 are provided with suitable openings for the escape of the steam arising from the liquids, and a cover is provided for these openings to close them when desired.

9 9 represent fire-boxes arranged below each of the vessels 4 and 5, and within these fire-boxes suitable gasolene or other burners are secured, and as these burners may be of any desired or usual construction no detailed description thereof is here deemed necessary. These fire-boxes have open ends and are each provided with a sliding door in order to permit of an examination of their interior.

10 represents a tank or reservoir supported on a suitable upright 10^a, secured to the axle or frame, being provided at its upper end with a threaded opening through which the tank or reservoir is charged with the gasolene or other inflammable liquids, a screw-cap 10^b being provided to engage said opening and keep the contents secure. An air-valve 10^c is also provided therein to engage or let off any of the surplus pressure, as I shall presently describe.

A pipe 11 leads from the tank or reservoir 10 into branch pipes 11^a, which latter communicate with the burners under each of the vessels 4 and 5, the pipe 11 being provided with a suitable valve 11^b to regulate the supply of gasolene for the burners, and the branch pipes may also be provided with similar valves, so that the flow of gasolene may be shut off in one burner, while the supply to the other may not be interfered with.

Pipes 12 12 connect with the main supply-pipe 11, the outer ends being provided with burners 12^a 12^a and with intermediate valves 12^b 12^b to regulate the supply of gasolene thereto, and thus providing a convenient means of illumination for night use.

In order to give the desired pressure to the gasoline and to create a more perfect combustion thereof, I arrange a pump 13, which is held upon the frame in any suitable manner and from which a pipe 13^a, provided with a suitable valve 13^b, leads to the tank and through which the supply of air is fed thereto, and a gage 14 is also provided to show the exact pressure of air contained in the tank, which will be readily understood. Boxes 15 are secured to the frame of the cart, one of which is intended to contain sandwiches and other edibles, as well as cups and saucers, while the other is intended for use in conveying liniment, bandages, plasters, and other medical equipments which may be required in cases of emergency. The frame is also provided with hooks 16 16, to which buckets 17 and 18 are suspended, the former being intended for use in conveying coffee away from the cart to any distance under conditions where it is impossible for the cart to be reached, and a convenient spout 17^a is provided for the discharge thereof.

A stretcher 19 is strapped to the pole 2, and the latter is provided at its forward end with a hook 20 for connection with a rope, by which it is intended to draw the cart, and with side handles 21 21, which are intended to be grasped by the hand to steady the pole. 22 indicates a leg pivotally connected to the lower side of the pole, which acts to keep the pole normally elevated when at rest, a suitable hook 22^a being arranged to engage the end of the leg when the cart is being moved to and from its destination.

It will thus be seen that my invention provides in a simple and effective manner a refreshment-cart which is particularly well adapted for the purposes herein described, as well as for various other purposes, and the parts of which are so arranged as to render

them inexpensive in construction and strong and durable.

It is obviously apparent that modifications may be made without departing from my invention, and I reserve the right to make such changes and alterations as may fairly fall within its spirit and scope.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination in a refreshment-cart, with the axle and pole thereof, of the body portion composed of two metallic plates having their forward ends attached to the pole, thence bent outwardly at substantially right angles thereto in opposite directions and inclining toward the ends of the axle, and thence inwardly in loop form with their ends attached to said axle near its center, thereby forming loop-supports for the vessels, substantially as shown and described.

2. In a refreshment-cart, the combination with the axle and pole thereof, of the body portion composed of two metallic plates or straps set on edge and having their forward ends attached to the pole, thence bent outwardly in opposite directions and rearwardly toward the ends of the axle and thence inwardly with their rear ends bent in loop form and attached to said axle near its center, thereby forming loop-supports for the vessels, said axle being bent into crank form and provided near its ends with inwardly-extending portions forming bearings for said plates, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

CLINTON S. ARNOLD.

Witnesses:

JAMES H. MORAN,
T. F. WALSH.