

(No Model.)

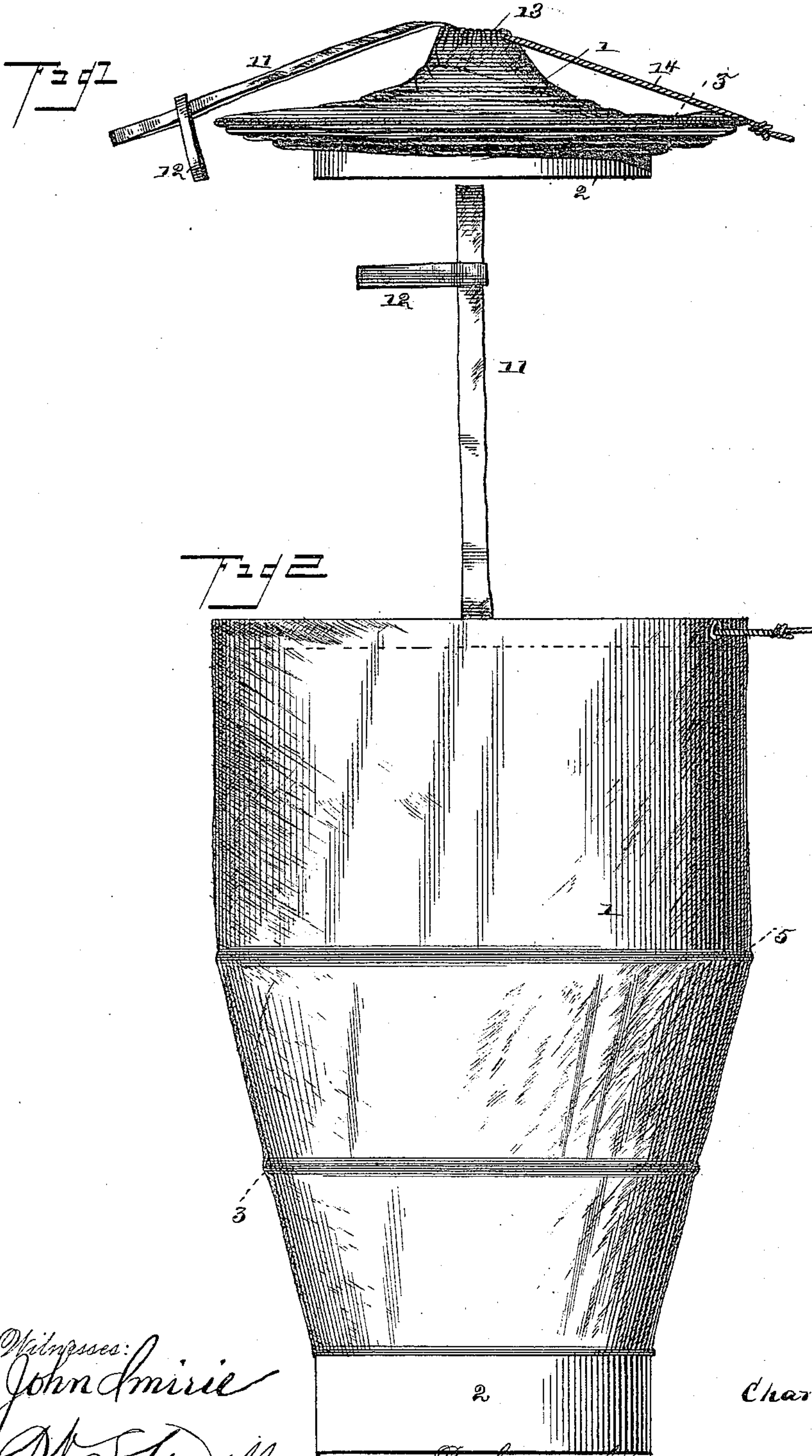
2 Sheets—Sheet 1.

C. A. BARTLIFF.

FEED BAG.

No. 440,785.

Patented Nov. 18, 1890.



Witnesses:
John Mirie
W. S. L. Wall

Inventor
Charles A. Bartliff

By his Attorneys
C. A. Snow & Co.

(No Model.)

2 Sheets—Sheet 2.

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Fig 3

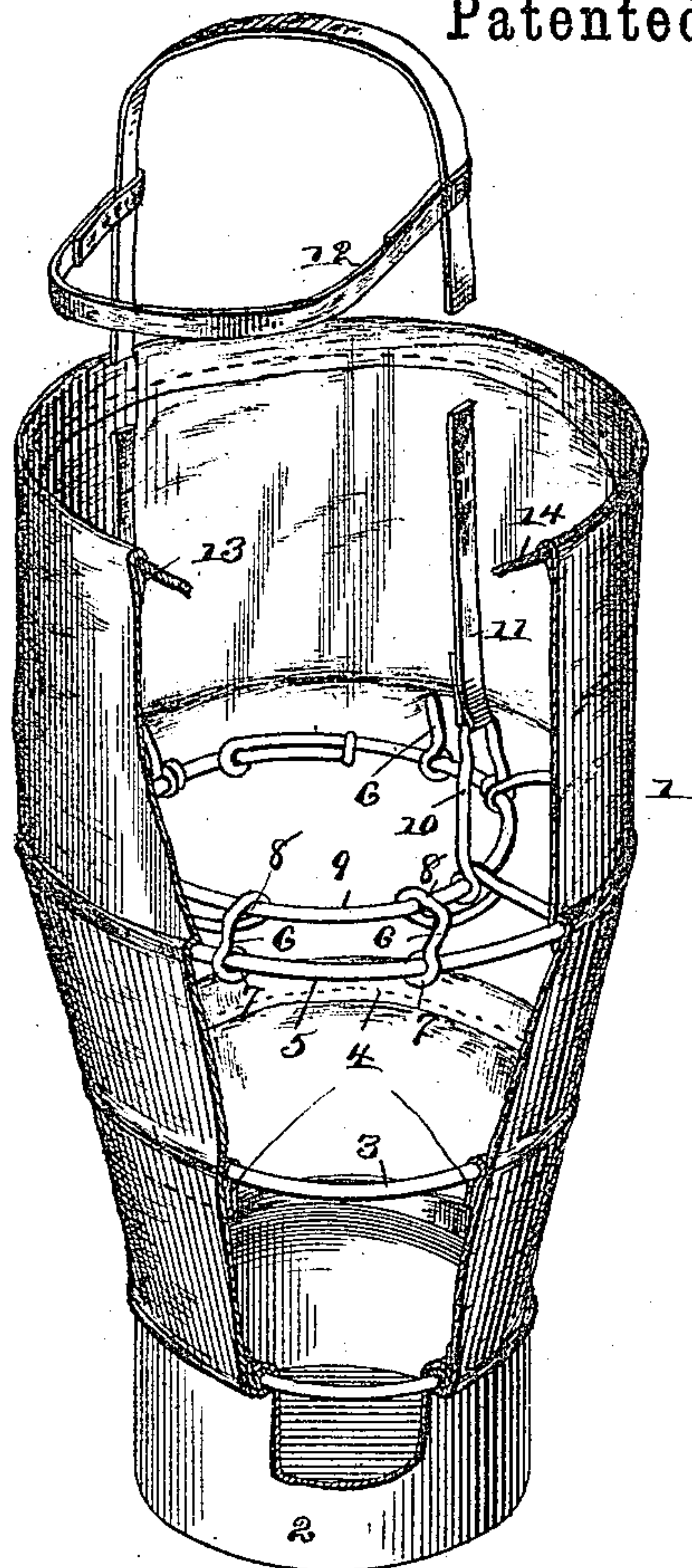
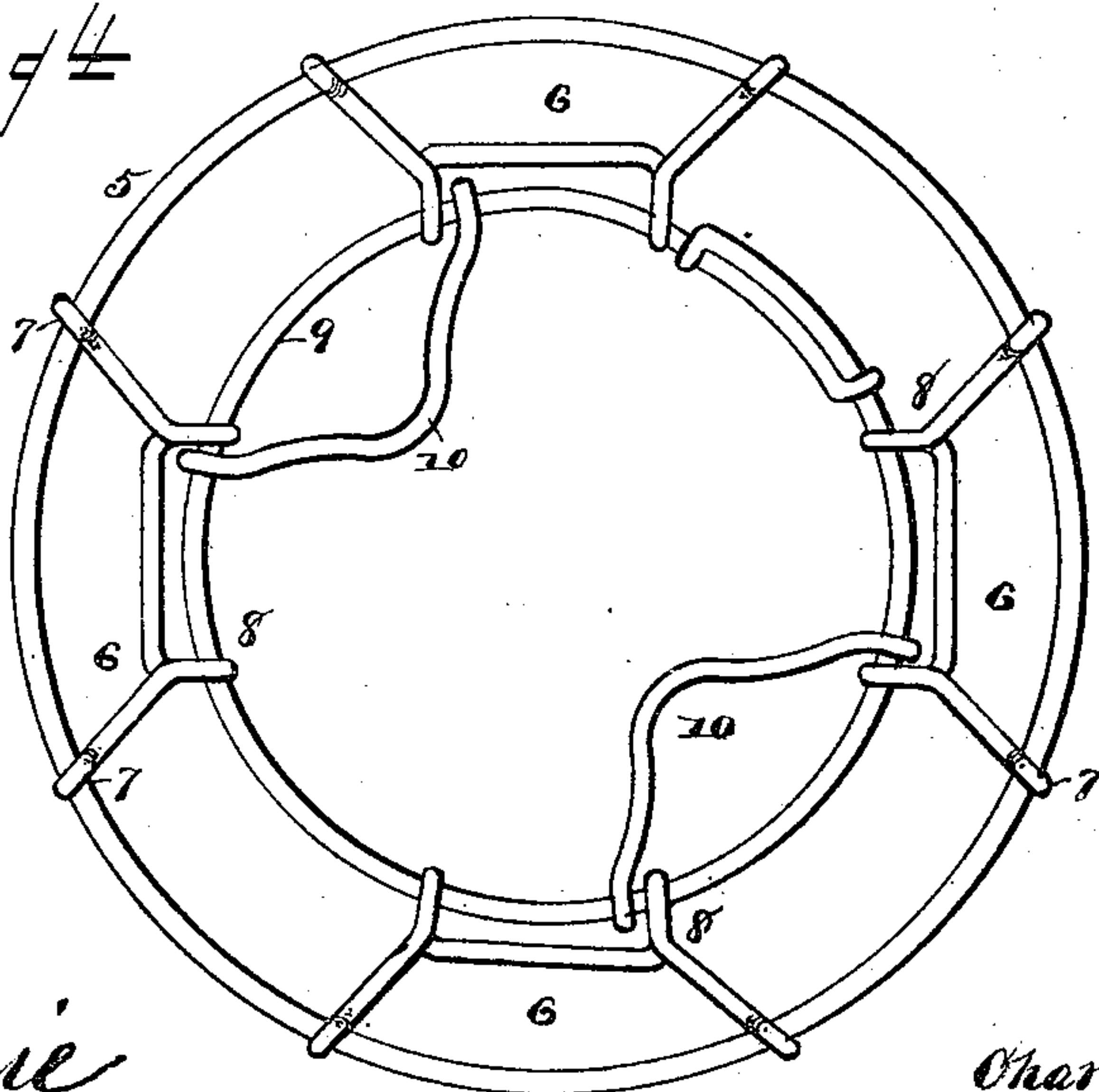


Fig 4



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UNITED STATES PATENT OFFICE.

CHARLES A. BARTLIFF, OF MEMPHIS, TENNESSEE.

FEED-BAG.

SPECIFICATION forming part of Letters Patent No. 440,785, dated November 18, 1890.

Application filed May 8, 1889. Serial No. 310,045. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. BARTLIFF, a citizen of the United States, residing at Memphis, in the county of Shelby and State of Tennessee, have invented a new and useful Improvement in Feed-Bags for Horses and other Animals, of which the following is a specification.

This invention has relation to feed-bags for horses and other animals.

Among the objects in view are to provide an easily, cheaply, and simply constructed bag, which by its peculiar formation is adapted for a thorough ventilation, whereby chaff and dust may be blown out at the sides of the bag and not inhaled by the animal during feeding; to provide means whereby the bag may be closed for transportation, and this without the liability of wasting the feed; and, further, to provide a convenient and simple halter for suspending the bag from the head of the animal.

Other objects and advantages of the invention will hereinafter appear, and the novel features will be particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a side elevation of the bag closed. Fig. 2 is a similar view with the bag open. Fig. 3 is a perspective of the bag, the same being open and portions thereof being broken away, exposing the interior or frame-work; and Fig. 4 is a detail in plan of the upper ring or frame.

1 represents a bag, which is formed of canvas or other suitable fabric, open at both ends and of a slightly tapered form, the lower end being smaller, and to this end there is secured a feed-pan 2, serving as a bottom, the walls of the pan being surrounded by the lower edge of the bag and suitably secured thereto.

Above the pan and secured within the bag is an ordinary wire hoop 3, the same being held in position by a re-enforcing strip 4 of canvas stitched or otherwise secured thereto. The hoop 3 is of such proportion with relation to the pan as to readily take over the same when the bag is collapsed in a vertical manner, and thus prevent the walls of the bag closing over the pan when the same is put to the ground.

Intermediate of the hoop 3 and the upper

edge of the bag there is secured a second hoop 5, somewhat larger than the first-mentioned hoop, and from the same—in this instance, at four opposite points—project inwardly wire brackets 6. These brackets are bent at their ends to form eyes 7, and intermediate their ends they are bent rearwardly upon themselves to form hooks 8.

Mounted in the hooks 8 is a smaller hoop 9, which is of a size approximating the head of the animal.

Upon the hoop 9 and at opposite points there are loosely mounted wire bails 10, to each of which is connected one terminal of a strap 11, which passes over the animal's head and is provided with a short crown-strap 12, the two straps forming a suitable halter for the suspension of the bag.

The upper edge of the bag is hemmed, as at 13, and within the same there runs a draw-string 14, by which the mouth of the bag may be closed. The bag having been filled with feed and the mouth closed by means of the draw-string, the same may be transported from point to point and thrown around as an ordinary bag without causing any waste of the feed. To feed the animal, the draw-string is loosened, the mouth of the bag opened, and the upper edge turned back to about even with the upper hoop. The headstall or supporting-halter is then placed over the animal's head, and the operation of feeding takes place.

It will be observed that by reason of the space formed by the inner and outer hoops 9 and 5 a current of air is passing through the bag and a free circulation takes place, and by this passage chaff and other small particles of dust are forced upward out of the mouth of the bag and not inhaled by the animal. By reason also of the relative dimensions of the hoops with themselves and with the pan the animal is enabled to thoroughly clean the bag.

By attaching the lower ends of the headstall to the rings of the wire frame-work inside of the bag, it is evident that the bag when suspended from the animal's head is held steady and prevented from lateral wabbling. Furthermore, the headstall may be placed within the bag and is wholly concealed

and received thereby when the bag is closed and packed away in a vehicle or carried by a man on horseback, either filled or empty, and therefore presents no external parts liable to catch in the trappings of the harness or other obstacles.

Indeed it is the special design of this invention to provide a feed-bag which when collapsed can be carried on horseback with sufficient feed in the pan for the purposes of an ordinary journey, and which can be utilized whenever wanted.

Having described my invention, what I claim is—

1. The combination, with a feed-bag, of an inclosed upper ring provided with inwardly-disposed brackets and a smaller open inner ring supported by the brackets and adapted to receive and encircle a horse's head, and a halter adapted to be passed over the horse's head and having its terminals connected to the inner ring, substantially as specified.

2. In a feed-bag, an outer ring provided with brackets having hooked ends, in combination with an inner ring mounted in the hooks, bails mounted on the inner ring, and

a headstall or halter connected to the bail, substantially as specified.

3. The bag 1, having the pan 2, the superimposed hoops 3 and 5, the latter having the inwardly-disposed brackets 6 bent to form eyes 7 and hooks 8, and the inner hoop 9, having the bails 10, and the halter 11 and 12, substantially as specified.

4. A feed-bag provided with a collapsible wire frame-work secured within the bag at an intermediate point, so as to distend the same, said frame-work comprising outer ring 5 and inner ring 9, connected to the outer ring, and the halter or headstall connected to the inner ring and extending upwardly to connect with the head of the animal, and a lower ring 3, located above the bottom of the bag, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

CHARLES A. BARTLIFF.

Witnesses:

E. L. BARTLIFF,
E. W. TRONT.