

No Model.)

3 Sheets—Sheet 1

T. H. BROWN.
HUNTING WAGON.

No. 512,273.

Patented Jan. 9, 1894.

Fig. 1.

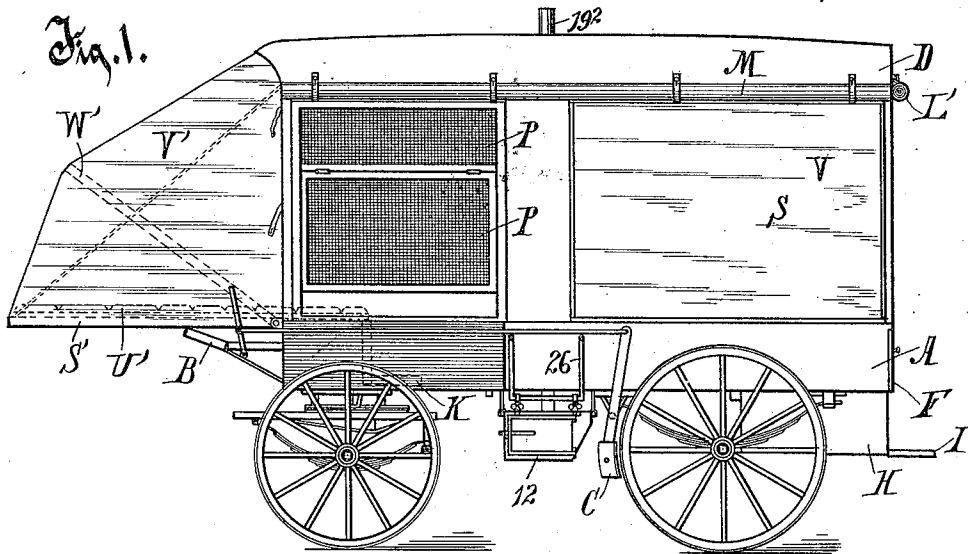
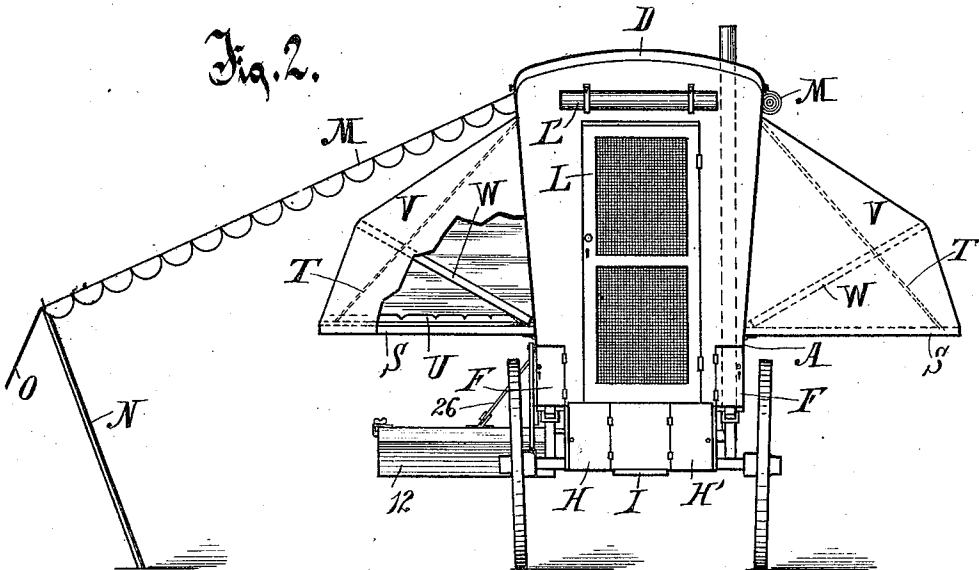


Fig. 2.



Witnesses:

C. N. Keeney.

Anna C. Faust.

Inventor.

Thomas H. Brown

By Benedict M. Russell
Attorneys.

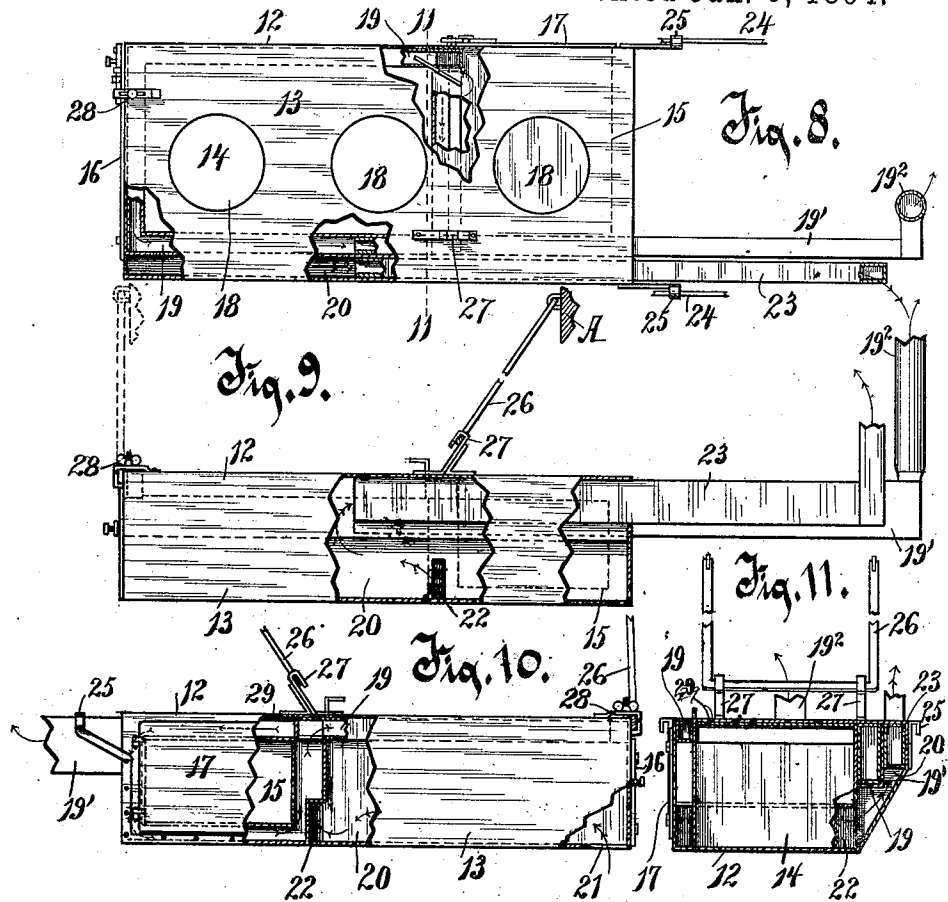
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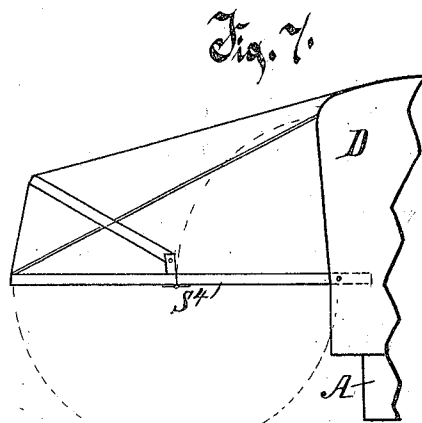
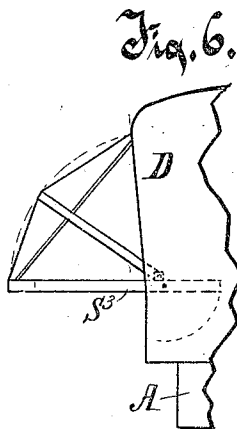
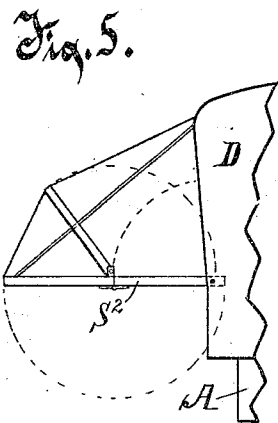
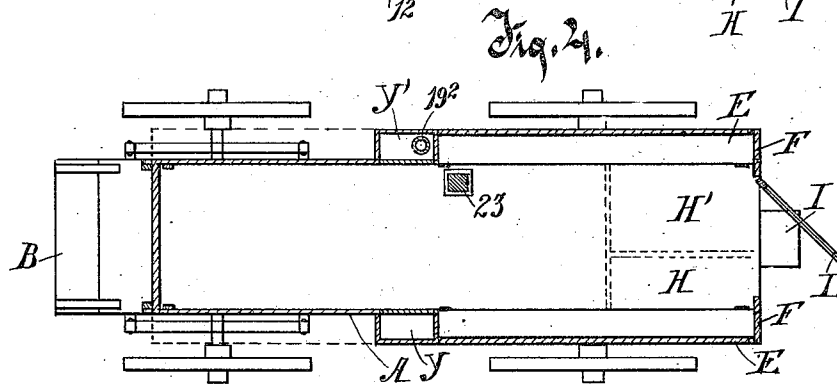
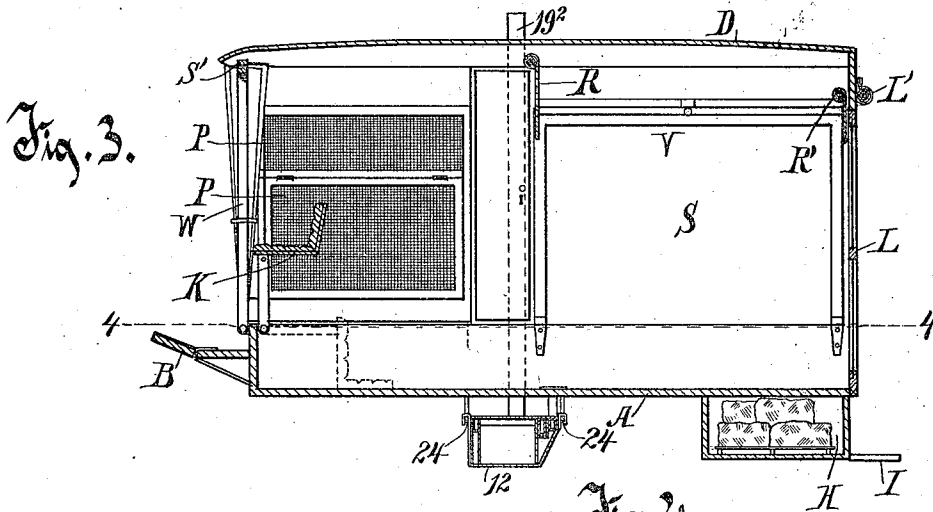
Witnesses.
C. H. Keeney.
Anna C. Faust.

Inventor.
Thomas H. Brown
By Buedick Merrill
Attorneys.

T. H. BROWN.
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Witnesses.
C. A. Keneq.
Anna C. Faust.

Inventor.
Thomas H. Brown
By Wendell M. Morsell
Attorneys

UNITED STATES PATENT OFFICE.

THOMAS H. BROWN, OF MILWAUKEE, WISCONSIN.

HUNTING-WAGON.

SPECIFICATION forming part of Letters Patent No. 512,273, dated January 9, 1894.

Application filed March 30, 1893. Serial No. 468,274. (No model.)

To all whom it may concern:

Be it known that I, THOMAS H. BROWN, of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented a new and useful Improvement in Hunting-Wagons or Analogous Vehicles, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

The object of my invention, is to provide a wagon adapted for use by several persons for hunting and camping purposes, which wagon is provided with facilities for transporting persons, hunting implements and food supplies; for preserving and cooking food; for dividing off sleeping compartments for making up beds and packing them away; and for inclosing the compartments against insects.

With these chief objects, and others incidental thereto, in view, my invention consists of the wagon and apparatus therewith, substantially as hereinafter described and claimed.

In the drawings, Figure 1, is a side elevation of the wagon, the bed supporting and inclosing apparatus at the front being let down, as it is in use for sleeping purposes. Fig. 2, is a rear elevation of the wagon with parts extended for use for camping purposes. Fig. 3, is a longitudinal vertical section of the wagon body and cover. Fig. 4, is a plan of the wagon on line 4-4 of Fig. 3 looking downwardly. Figs. 5, 6 and 7 are details of modified forms of bed-supporting frames. Fig. 8, is a top plan of the stove, parts being broken away to show interior construction. Fig. 9, is a side elevation of the stove, parts being broken away to show interior construction. Fig. 10, is an elevation of the stove on that side opposite to the side shown in Fig. 9, parts being broken away to show interior construction. Fig. 11, is a transverse section of the stove on line 11-11 of Fig. 8.

The body or box A of the wagon is mounted on suitable running gear, of such construction as is in common use. A forwardly projecting foot board B and a brake C are provided, which also are substantially such as are in common use. A top or cover D is secured to and supported permanently on the box. Lateral extensions of the box between the rear wheels and extending from the rear

end of the box forwardly are inclosed forming boxes or closets E E for receiving and carrying guns, fishing tackle or other implements therein. These closets are provided with doors F F at the rear end of the box. These boxes are of a suitable height that their tops serve as seats for the accommodation of persons riding in the wagon.

Beneath the floor of the wagon box at the rear end, I provide a refrigerator having two compartments H and H'. The compartment H is adapted to hold ice, and the compartment H' is adapted for a provision chest, each of these compartments having a door at its rear end. A step I, secured to the lower edge of the refrigerator and projecting rearwardly therefrom, serves as a convenient means for entering the wagon at the rear end. A driver's seat K supported on a frame which is hinged to the front end of the box, is adapted to be swung rearwardly and downwardly into the box when not in use as a seat, into the position shown in dotted lines in Figs. 1 and 3. A screen door L, in the rear end of the wagon top, is adapted to close the entrance at that end of the wagon against insects while permitting a circulation of air. A water-proof apron L' secured to the top above the door L and rolled up when not in use as shown in Figs. 1, 2 and 3, is adapted when unrolled to cover the door L and protect the opening against rain, or close it substantially against the entrance of cold air. Other water-proof aprons M M, secured to the wagon top at the side near its upper edge, are adapted when unrolled to be extended to a distance therefrom, forming canopies covering and protecting a considerable space on either side of the wagon, in the manner indicated in Fig. 2. When thus extended the aprons or canopies M M are supported by tent poles N, and are held taut by stay ropes or guys O, secured to the ground at a distance therefrom.

Openings in the sides of the front half of the wagon top, are provided with screen transoms and hinged and inwardly folding screen doors P P, which are adapted to close the apertures against insects when let down in the manner shown in Figs. 1 and 2, or may be folded up interiorly to open the apertures for the freer circulation of air.

The aprons M M (partly rolled up at their lower extremities) may, when the beds at the sides of the wagon are folded up, be secured to the sides of the wagon top, and thus cover the apertures nominally closed by the screens P, and the entire sides of the wagon top below their lines of attachment, against rain or the entry of cold air.

The rear portion of the interior of the wagon top is separated from the front part by a transverse curtain R arranged on a roller mounted in the upper part of the wagon top. This curtain is just in front of the beds arranged in the rear part of the wagon. Another curtain R' arranged on a roller mounted on the inside of the rear end of the wagon top is adapted to be drawn down in front of the door L, thus closing the rear compartment of the wagon against observation from the exterior.

Facilities for sleeping in this wagon are provided in the following manner: A portion of each of the two sides of the top D is constructed as a removable section S, hinged at its lower edge to the wagon box and adapted to be thrown down outwardly in the manner shown in Fig. 2, forming a floor or bed bottom, supported in a horizontal position by flexible stays T, secured to the section near its free edge and to the wagon top near the upper edge of the aperture formed by the removal of the section. This section or bed bottom is adapted, when so thrown down horizontally, to support a mattress U thereon for a bed. A collapsible cover V secured to the free edges of the section S, and to the wagon top at the corresponding edges of the aperture, serves as a hood or covering for the bed. The cover V is distended medially by means of a bow W, the extremities of which are hinged to the section S near its hinged edge. A bed is also provided for, at the front end of the wagon, substantially similar in construction to the devices already described, except that instead of a swinging bed bottom or floor, a bow S' is provided which is hinged at its extremities to the wagon box, and is supported by corresponding stays. A similar collapsible cover V' is provided, distended by a bow W'. The bow S' is adapted to receive and support thereon a light frame, forming a bottom on which the mattress U' is supported. The frame and mattress in this case extend somewhat into the wagon box.

In Figs. 5, 6 and 7 modified forms of the bed frame are shown. In Fig. 5 the bed-floor or section S² is formed in two parts longitudinally hinged together, the section in folding up being adapted to swing inwardly at its inner edge and downwardly or outwardly at its medial joint. This construction is adapted for a wagon top of less height than the one shown in Figs. 1, 2 and 3. In Fig. 6 the bed-floor or section S² is pivoted medially to the wagon box, so that a portion of the floor swings downwardly on the inside of the box when the section is closed up. In Fig. 7 the bed-

floor or section S⁴ is of considerable width laterally, so that the bed can be made up with its longer direction at right angles to the length of the wagon. In this form, as in the form shown in Fig. 5, the bed-floor S⁴ is in two parts, hinged medially, and is adapted to be folded up by swinging the inner leaf of the section upwardly and inwardly, and the outer leaf downwardly on the outside.

Means for cooking, and on occasion for warming the interior of the wagon, are provided as follows: A box stove 12 is suspended medially of the wagon, sliding on ways therefor secured to the floor of the wagon box. This stove consists preferably of an elongated rectangular shell 13, in which there is a fire box 14 in the front portion, and an oven 15 in the rear part. A door 16 in the front end closes the aperture to the fire box, and a door 17 closes the oven. Pot holes 18 are provided in the top. A smoke flue 19 leads from the fire box 14, as indicated by the arrows with a single head, over and around the oven to the flue 19', which is secured to the wagon box and telescopes into the upper portion of the stove, which flue 19' in turn leads to the vertical smoke pipe 19², secured to and leading upwardly through the wagon top. A hot air chamber 20 located at one side of the fire box, and supplied with fresh air through the aperture 21, is provided with a flue 22 leading therefrom across the stove at the rear of the fire box, and thence at the other side of the fire box, upwardly to the flue 23, which latter flue is fixed to the wagon box and telescopes into the hot air flue in the stove. At its outer end the flue 23 opens through a screen register into the box of the wagon, thus providing for heating the interior compartments. The horizontal ways 24 are secured to the under side of the wagon box, and the rear end of the stove is suspended reciprocally thereon by means of the hooks 25. A substantially U-shaped supporting arm 26, is hinged at its extremities to the wagon box, and its medial cross bar is adapted to engage the hooks 27 fixed in the stove, and support it when the stove is drawn out from beneath the wagon for cooking purposes, and being detached from the hooks 27 is adapted to be engaged by the buttons 28 on the front end of the stove, which buttons are provided with screw threaded winged pivots turning into the stove and adapted to set the buttons firmly against the bar of the swinging arm when in engagement therewith, by which means the front end of the stove is supported without liability to rattle, when the stove is pushed into its position entirely beneath the wagon box. It will be seen that by means of the telescoping flues 19' and 23, the stove can be used for heating purposes when in place entirely beneath the wagon box, as well as when drawn out for cooking purposes. It will be noticed that the stove is suspended beneath the wagon box at such distance therefrom as to obviate liability of igniting the

wood of which the box is constructed. To otherwise protect the box from the heat of the stove a filling of asbestos 29, may be placed in the top of the stove between an inner metal lining and the outer plate or shell.

Y and Y' are vertical closets, in the sides of the top of the wagon, which closets have suitable doors and are adapted for holding clothing or outer garments, the closet Y' being adapted for drying wet garments by reason of the heat therein, from the smoke pipe which passes through it vertically.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a hunting wagon or analogous vehicle, the combination of a wagon box, and a refrigerator below the box at the rear end, the refrigerator having a plurality of compartments alongside each other, one for ice and another or others for provisions, the compartments being accessible by doors at the rear end thereof, substantially as described.

2. In a hunting wagon or analogous vehicle, the combination of a wagon box, and a stove suspended under and to the wagon box, which stove is provided with a smoke pipe extending upwardly through the wagon and its top, substantially as described.

3. In a hunting wagon or analogous vehicle, the combination of a wagon box, a stove suspended reciprocally under the box on ways, and a smoke pipe secured rigidly to the box, a lower section of which pipe is arranged to telescope horizontally with said stove, substantially as described.

4. In a hunting wagon or analogous vehicle the combination of a wagon box, a stove suspended reciprocally under the box on ways, a smoke pipe and a hot air flue secured rigidly to the wagon, which smoke pipe and hot air flue each has a section arranged to telescope horizontally with the stove, substantially as described.

5. In a hunting wagon or analogous vehicle, the combination with a wagon box of a stove and its support, consisting of an elongated stove having a fire box, an oven and a smoke flue, ways under the wagon box secured thereto on which the stove near its rear end is suspended reciprocally, and means substantially as described arranged to support the front end of the stove in its withdrawn and retracted positions.

6. In a wagon the combination with the wagon box having an upright elongated top, of devices attached to the top arranged to be extended therefrom, adapted when so extended to support beds thereon, substantially as described.

7. In a wagon, the combination with the wagon box and fixed top thereon, of sections of the sides of the top hinged thereto and otherwise supported by flexible stays adapted

to be let down and thereby extended therefrom, for supporting beds thereon, substantially as described.

8. In a wagon, the combination with the wagon box and fixed top thereon, of sections of the sides of the top hinged thereto and otherwise supported by flexible stays, adapted to be let down and thereby extended therefrom for supporting beds thereon, and collapsible covers secured to the swinging sections and to the fixed top about the section openings, substantially as described.

9. In a wagon, the combination with the wagon box and fixed top thereon, of sections of the sides of the top hinged thereto and otherwise supported by flexible stays, adapted to be let down and thereby extended therefrom for supporting beds thereon, collapsible covers secured to the swinging section and to the fixed top about the section apertures, and hinged bows arranged to distend the collapsible covers medially, substantially as described.

10. In a hunting wagon or analogous vehicle the combination of a wagon box, a rigid top thereon, screen doors hinged to the top, closing apertures therein against insects, and devices attached to the wagon adapted for supporting beds thereon, substantially as described.

11. The combination with a wagon box and fixed top thereon of screens closing apertures in the top, and waterproof aprons secured to the top above the screened apertures and arranged to be let down temporarily over the screens, substantially as described.

12. The combination of a wagon box and rigid top thereon of screened apertures, bed supporting devices, and curtains mounted in the upper part of the top so as to be rolled up therein and to be drawn down covering the screened apertures and dividing the top into apartments, substantially as described.

13. In a hunting wagon or analogous vehicle, the combination with a wagon box, of a stove suspended under the box which stove is provided with a sheet or layer of asbestos in or over its top, to protect the wagon box against taking fire or charring, from the heat in the stove, substantially as described.

14. In a hunting wagon or analogous vehicle, the combination of a wagon box, a permanent top on and above the box and closets elongated vertically arranged in the sides of the top above the box and doors thereto, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

THOMAS H. BROWN.

Witnesses:

C. T. BENEDICT,
ANNA V. FAUST.