

No. 803,505.

PATENTED OCT. 31, 1905.

J. W. PULLMAN.

PACK SADDLE.

APPLICATION FILED JULY 29, 1904.

3 SHEETS—SHEET 1.

Fig. 1.

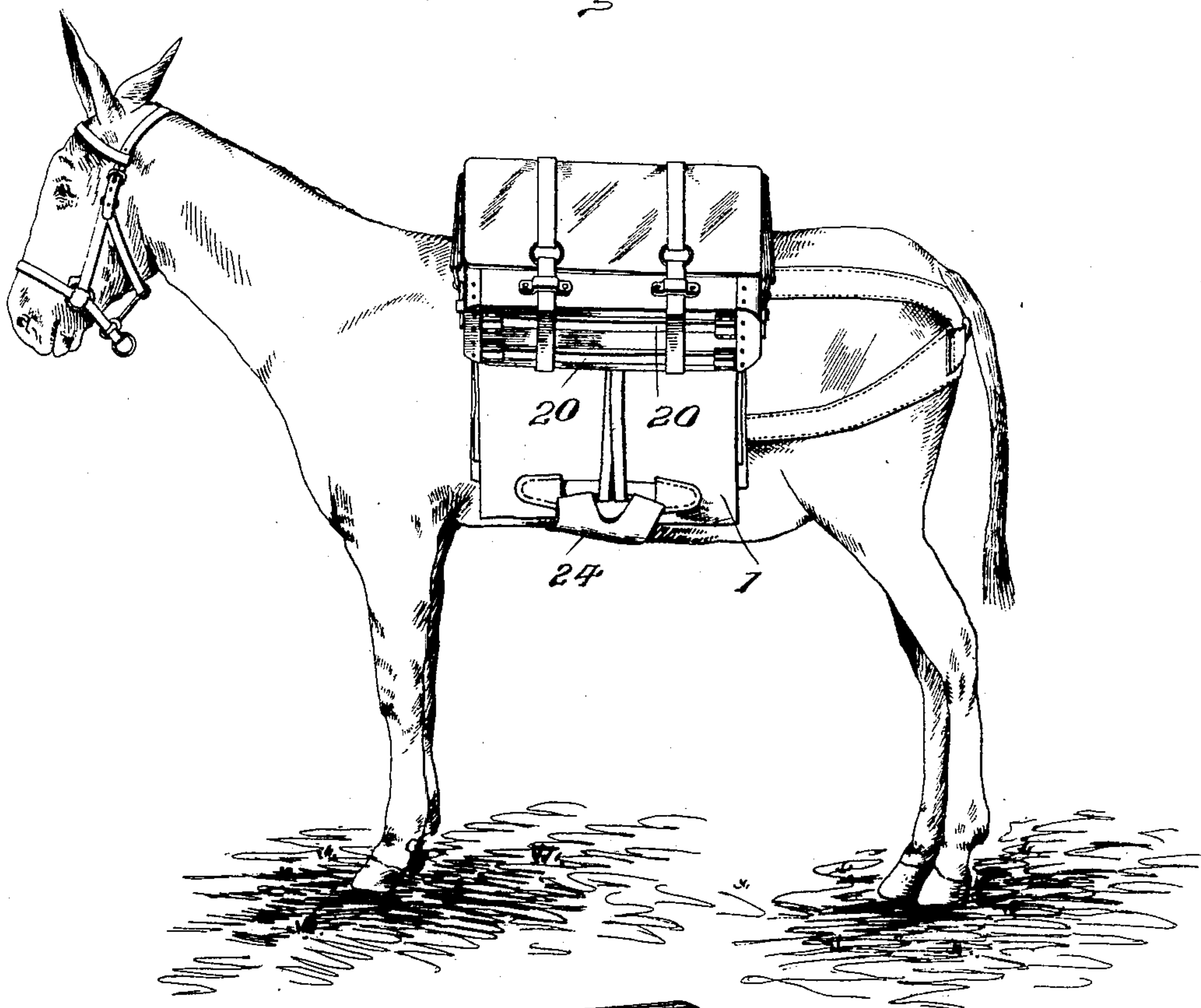
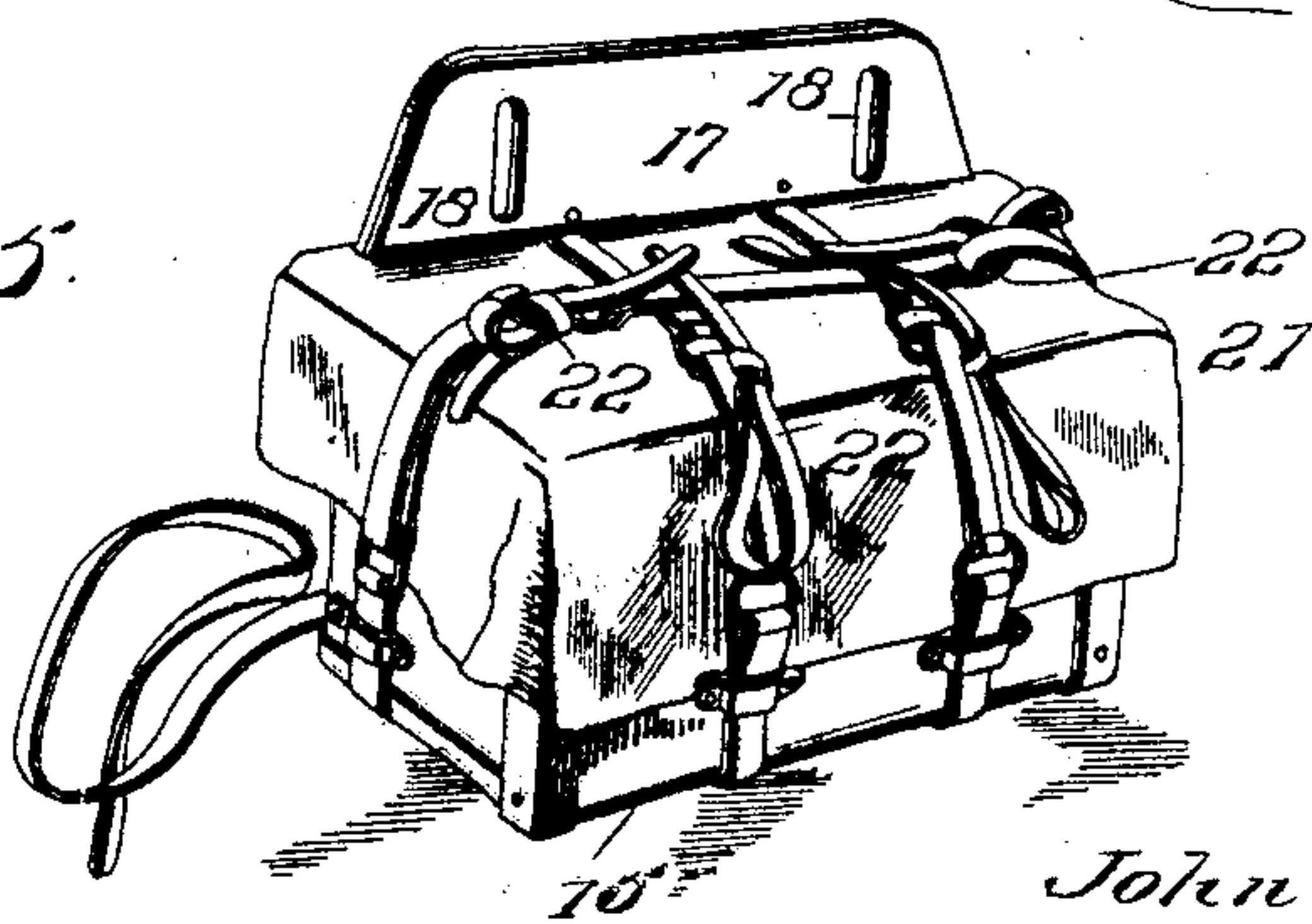


Fig. 5.



Inventor

John W. Pullman

Witnesses

W. H. Clarke

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David W. Gould

Attorney

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3 SHEETS—SHEET 2.

Fig. 2.

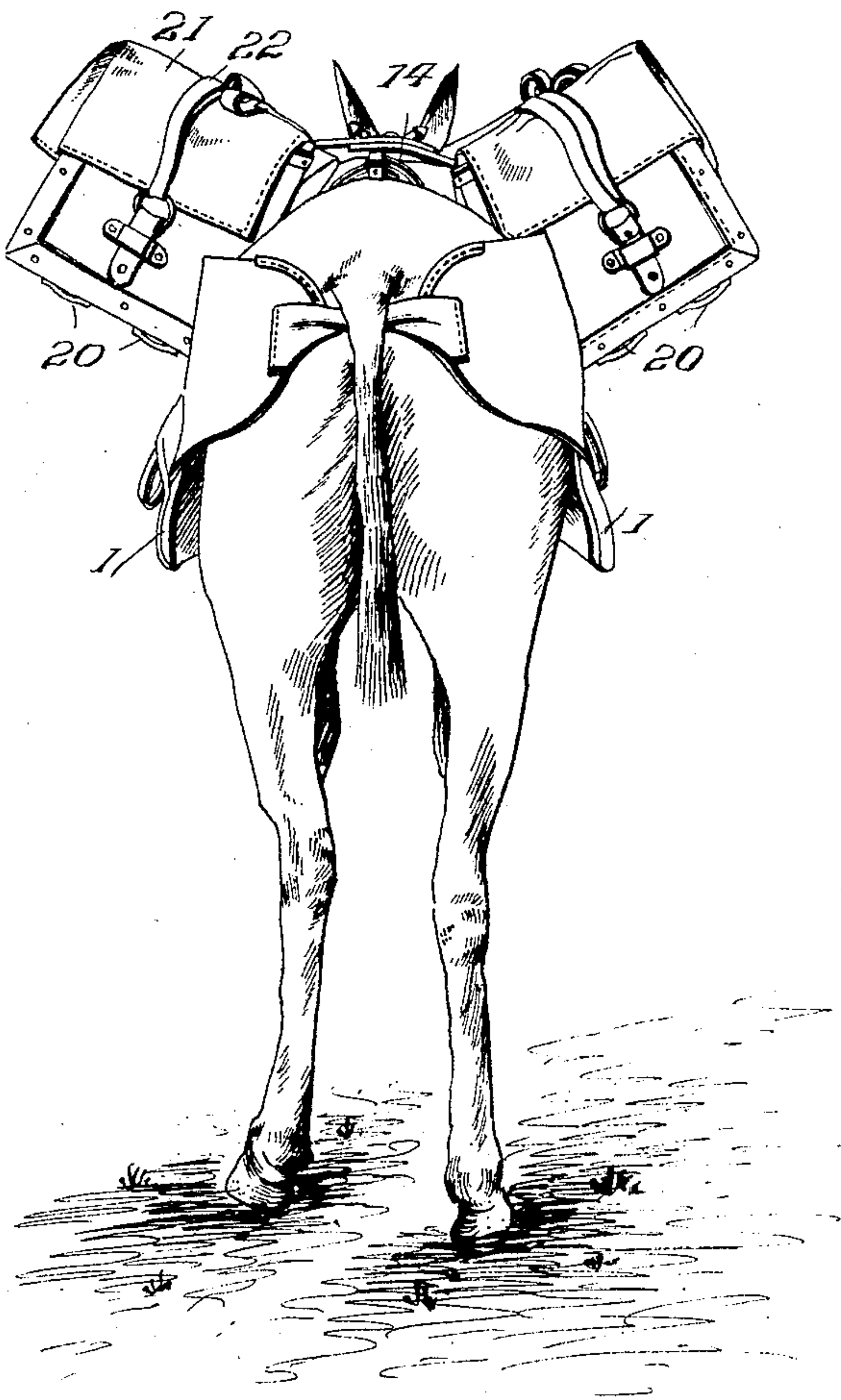
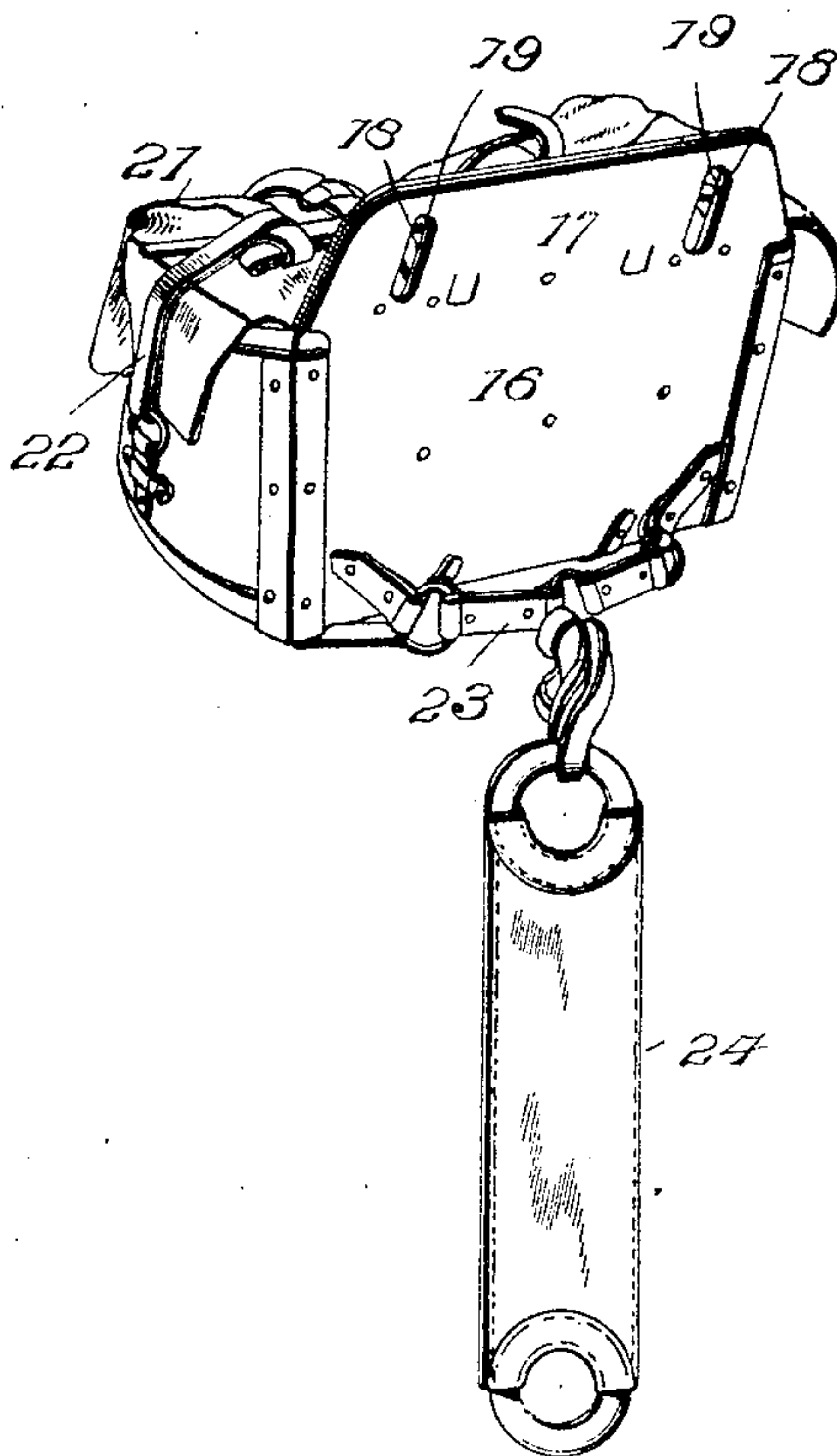


Fig. 6.



Witnesses

For Invention
W. H. Clarke

inventor

John W. Pullman

By

David W. Gould,

Attorney

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3 SHEETS—SHEET 3.

Fig. 3.

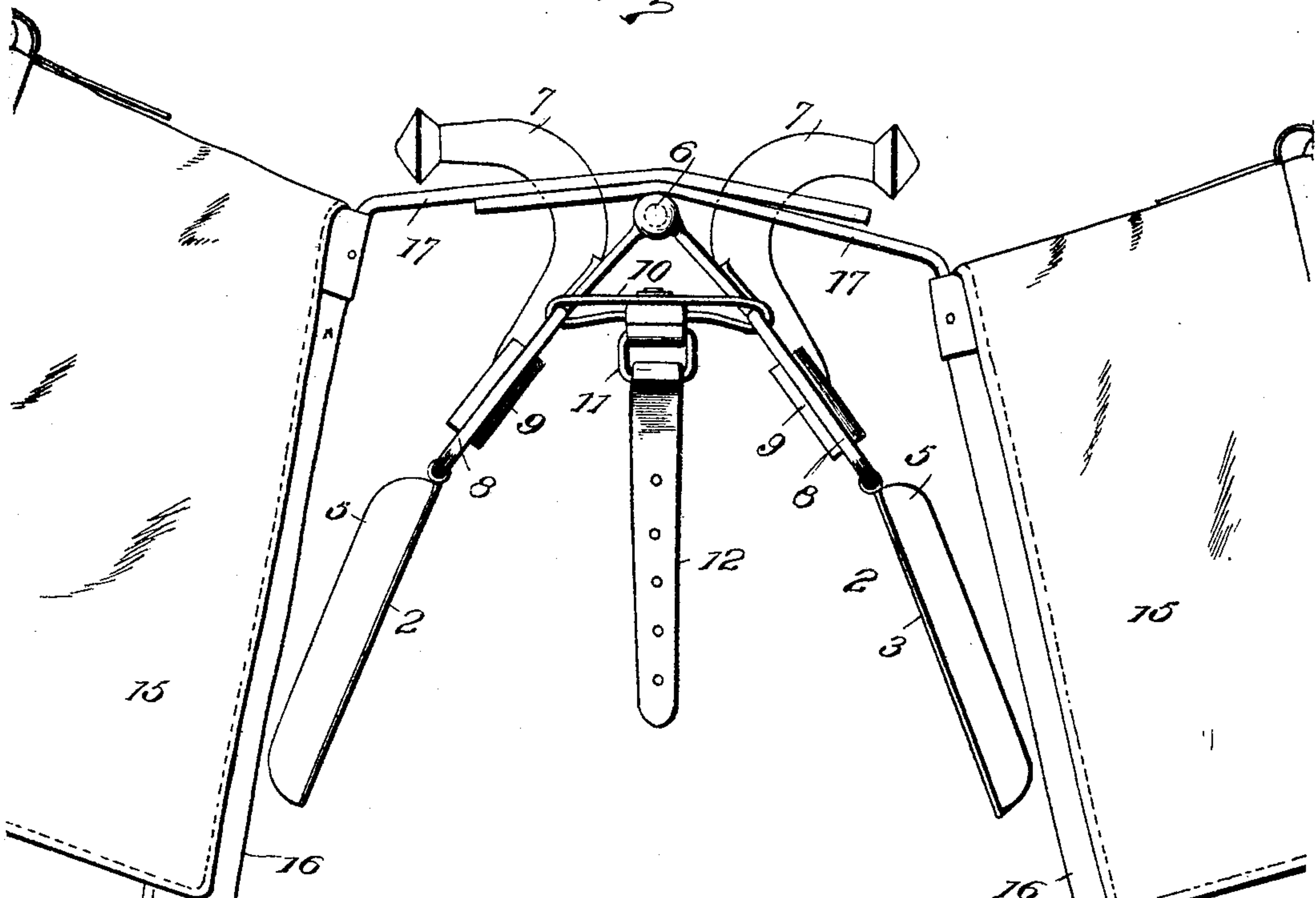
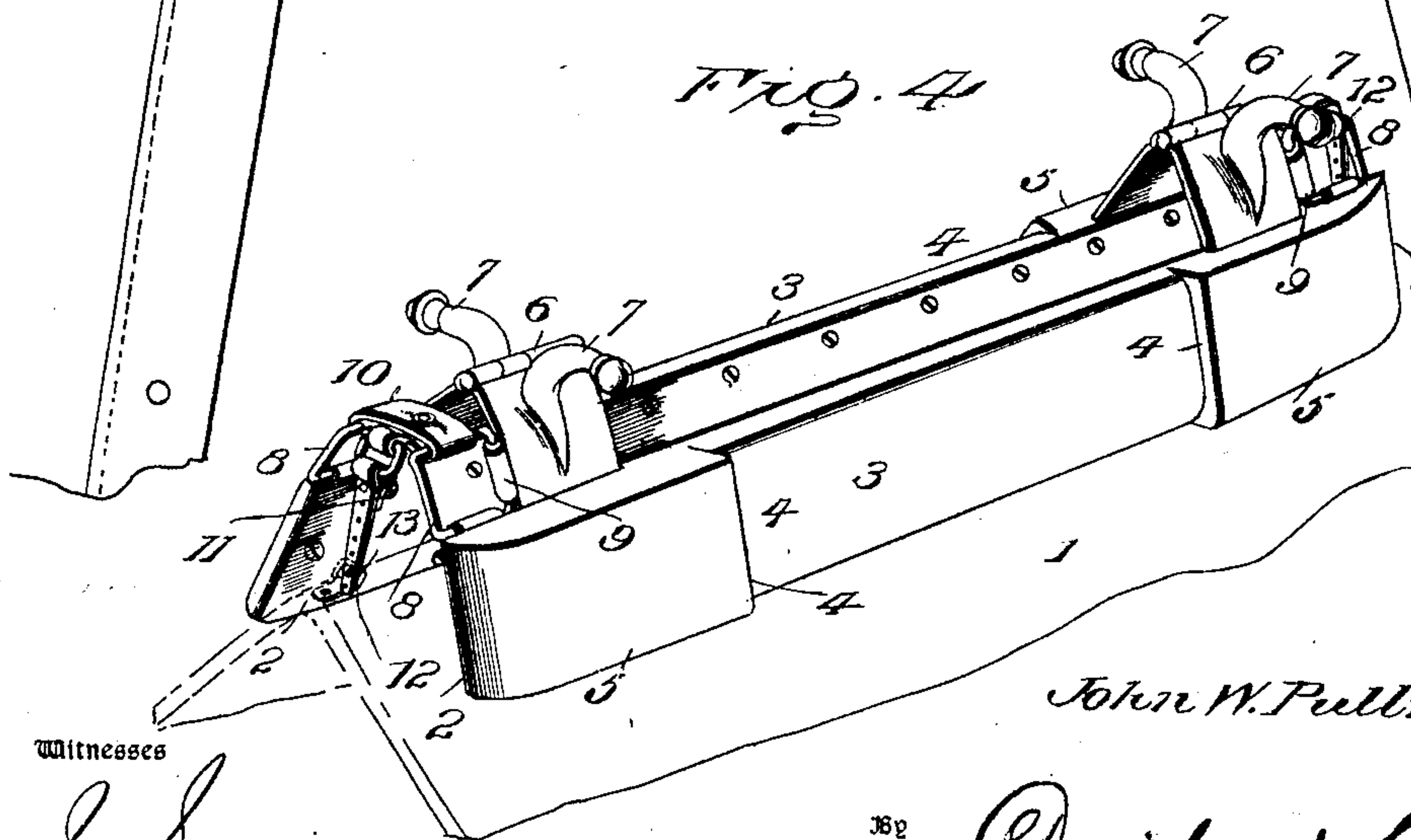


Fig. 4.



Witnesses

John W. Pullman
W. H. Clarke

Inventor
John W. Pullman

362

David W. Gould,
Attorney

UNITED STATES PATENT OFFICE.

JOHN W. PULLMAN, OF GOVERNORS ISLAND, NEW YORK, ASSIGNOR TO
CHARLES W. HAYES, OF WASHINGTON, DISTRICT OF COLUMBIA.

PACK-SADDLE.

No. 803,505.

Specification of Letters Patent.

Patented Oct. 31, 1905.

Application filed July 29, 1904. Serial No. 218,773.

To all whom it may concern:

Be it known that I, JOHN W. PULLMAN, a citizen of the United States, residing at Governors Island, in the county of New York and State of New York, have invented certain new and useful Improvements in Pack-Saddles, of which the following is a specification.

The invention relates to a new and improved pack-saddle designed particularly for use with the ordinary aparejo commonly employed in pack transportation.

As is well known, in the usual pack transportation the aparejo of ordinary or improved construction is cinched upon the pack-animal, and the side packs are lashed up and lashed upon the aparejo. The lashing of the packs and the lashing of the same upon the aparejo requires the service of experienced packers and the use of ropes, such as the sling-rope and lash-rope, extreme difficulty being experienced in properly securing the load.

It is the object of the present invention to entirely dispense with the use of pack-ropes and also with the usual lashing of the packs; and to this end the invention consists in a pack-saddle designed to be secured to the aparejo and cinched in place and in panniers arranged to be removably supported on each side the saddle.

The preferred embodiment of the invention is illustrated in the accompanying drawings, wherein—

Figure 1 is a view in elevation, showing my improved pannier in place on an animal. Fig. 2 is an end view of the same. Fig. 3 is an enlarged end elevation illustrating particularly the pack-saddle and the panniers supported therefrom. Fig. 4 is a perspective view of my improved pack-saddle. Fig. 5 is a perspective view of one of the panniers seen from the front. Fig. 6 is a similar view from the rear.

Referring to the drawings, 1 represents the aparejo, which may be of any usual or preferred construction and is cinched on the animal's back with the corona, pack-blanket, and crupper in place.

My improved saddle is designed to be secured upon the aparejo above the backbone of the animal, as particularly illustrated in Fig. 2. The saddle comprises thin metallic side plates 2, preferably covered on their outer sides with wooden strips 3 to avoid wear on the supported panniers. To reduce the contact-surface between the side bars and the

panniers, the former are cut out or reduced in thickness, as at 4, for a greater portion of their length, leaving the end portions 5 only to bear against the pannier. Strap-hinges 6 connect the side plates 2 near their respective ends, such hinges being of a length to project some distance above the side plates when the saddle is in a folded condition. Integral with each leaf of the strap-hinge is formed a hook or spur member 7, the hooks projecting from the leaves near their hinged junction and curving toward their respective side plate or away from the hinge. Adjacent each end of each plate 2 is secured an eye 8, which eyes are also secured to the strap-hinge members by ears 9. The contiguous eyes 8 of the respective side plates are joined by strap connection 10, carrying a central eye 11, from which a strap 12 depends, the free ends of which are designed to be secured to buckles 13, fastened to the aparejo in position to hold the pack-saddle against lengthwise movement on the animal's back. A cincha 14 is passed over the pack-saddle and secured around the animal's body in the usual way.

In connection with the pack-saddle I propose to use panniers, one for each side, suitably arranged to receive and protect a load. The panniers are of course exact duplicates, and a description of but one will be given herein. The pannier 15 is constructed, preferably, of leather and comprises a bottom, front, and rear side and ends, all secured together by riveting or otherwise to provide a substantial receptacle. The rear side of the pannier extends beyond the upper edge of the pannier proper and is formed in such projecting portions 17 with eyelets or slits 18, arranged in parallel relation and near the side edges thereof. By preference the upper edges of the slits 18 are provided with metallic grommets 19 to prevent wear. The bottom of the pannier is provided with longitudinal strips 20, preferably of light wood, to prevent buckling of the pannier in use. A flexible cover 21 is provided of a length to extend down the sides and front of the pannier, being secured in place by lashings 22 passed through rings supported on the pannier-body. By preference the cover is of light waterproofed material and is secured to and forms a part of the pannier. Depending from the rear side 16 of one pannier is a transversely-arranged strap 23, having a central ring, to which latter is lashed an ordinary cinch-strap 24, it being

understood that a lashing depends from a strap 23 of the other pannier to lash the cinch around the animal's body from one pannier to the other.

5 In the use of my improved pack-saddle, assuming the aparejo properly secured in place, the saddle proper is placed upon the aparejo, the straps 12 being secured in the buckles 13 to prevent independent lengthwise movement
10 of the saddle and the saddle-cinch lashed in place to encompass the saddle and the body of the animal. The panniers, properly loaded, with the covers lashed in place, are elevated about on a line with the saddle, the project-
15 ing portion 17 of the pannier-back 16 being bent laterally and the eyes 18 passed over both of the saddle-hooks 7. The other pannier is similarly secured in place, with its projected portion 17 resting upon the similar
20 portion 17 of the first-placed pannier. By this arrangement it will be seen that a pannier on one side of the animal is supported solely by the remote hooks—that is, the panniers are supported by the hooks farthest removed from
25 them. It will thus be evident that any tendency of the loaded pannier to draw the saddle from its position is counteracted by the weight of the other pannier. I am thus enabled to absolutely insure against displacement of the
30 pack-saddle, as the weights themselves act as a securing means.

In the use and arrangement of the parts as described I am enabled to dispense entirely with experienced packers and with the use of
35 the usual pack-ropes, it being evident that any one may secure the packs in place without previous knowledge or instruction and that when in place the loads themselves act as the main securing means for the saddle.

40 By having a hinged connection between the saddle members I am enabled to adapt the saddle to animals of different sizes, the construction also permitting a folding of the saddle to reduce its dimensions for convenient trans-
45 portation.

It is understood that the panniers also are designed to be folded into a comparatively small compass by bending the bottom inward along the central line and pressing the front
50 and rear together and securing the whole in folded position by the lashing ordinarily employed in securing the cover in place.

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

55 1. A pack-saddle comprising connected members, and hooks projecting therefrom, in combination with a pannier having a projecting strip and adapted to be supported in contact with one saddle member with its strip en-
60 gaging the hooks of the other member.

2. A pack-saddle comprising two members hinged together, in combination with a pannier arranged adjacent one member and wholly supported from the other member.

65 3. A pack-saddle comprising two connected

longitudinally-arranged members and hooks projecting from each member, in combination with a pannier provided with an integral extending strip and adapted to rest in contact with one of the saddle members and be wholly
70 supported by the other member through engagement of the strip with the hooks thereon.

4. A pack-saddle comprising hinged members and hooks projecting from the respective members, in combination with a pannier sup-
75 ported in contact with one member, and means projecting from the pannier and adapted to engage the hooks of the other member.

5. A pack-saddle comprising hinged members, a plurality of hooks carried by each
80 member, the hooks of the respective members being arranged in transverse alinement, a pannier arranged in contact with one member and means projecting from the pannier and embracing the alined hooks of both mem-
85 bers.

6. A pack-saddle comprising hinged members, a plurality of hooks carried by each member, the hooks of the respective members being arranged in transverse alinement, in
90 combination with a pannier supported in contact with one saddle member and means projecting from the pannier to engage the hooks of the other member, said means embracing the alined hooks of both members.
95

7. A pack-saddle comprising longitudinal members, a hinged connection joining the members, and a plurality of hooks projecting from each member, said hooks projecting in
100 a plane above said hinged connection.

8. A pack-saddle comprising longitudinal members, a hinged connection joining the members, and a plurality of hooks secured to each member, said hooks projecting in a plane
105 above and curving away from said hinged connection.

9. A pack-saddle comprising side plates, hinges secured to the plates near the ends thereof, and a hook secured to each hinge-
110 leaf, said hooks projecting above and curving away from said hinges.

10. In combination with an aparejo, a pack-saddle having a plurality of upwardly-projecting hooks, means for securing the saddle to the aparejo, and panniers arranged adja-
115 cent the respective sides of the saddle and supported wholly from the opposite side.

11. A pack-saddle comprising side plates, hinged connections uniting said plates, and a bearing-strip secured to the outer side of each
120 plate, said strips being cut out intermediate their lengths.

In testimony whereof I have signed my name to this specification in presence of two witnesses.

JOHN W. PULLMAN.

Witnesses:

THOMAS W. SANNER,
JAMES FROST.