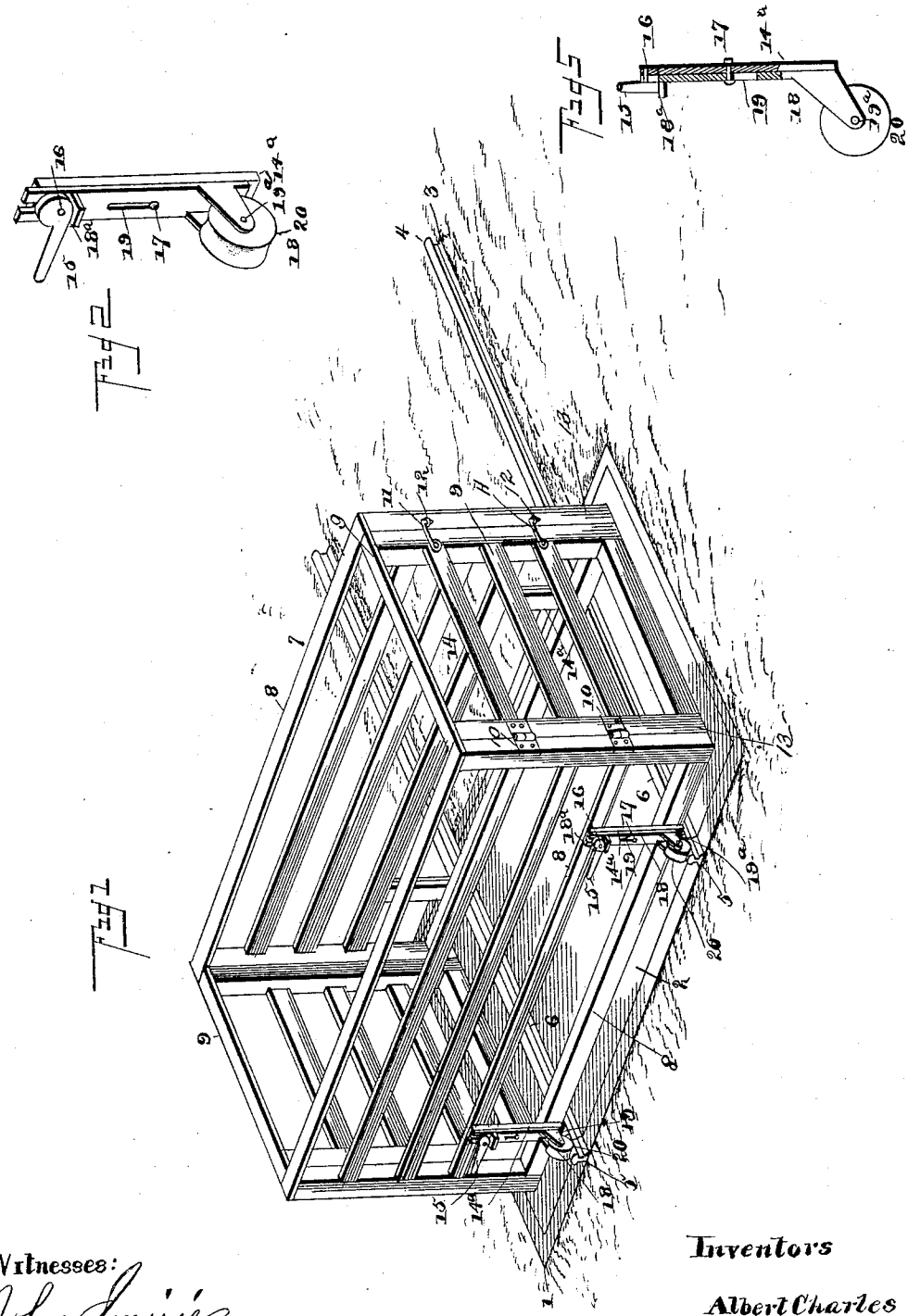
(No Model.) 2 Sheets—Sheet 1.

A. CHARLES & J. W. GARRISON.

PORTABLE FRAME FOR STOCK SCALES.

No. 433,516. Patented Aug. 5, 1890.



Witnesses:
John Smirl
W. S. Lovell

Inventors
Albert Charles
Joseph W. Garrison
By their Attorneys
C. A. Snow & Co.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

(No Model.) 2 Sheets—Sheet 2.

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Fig. 1.

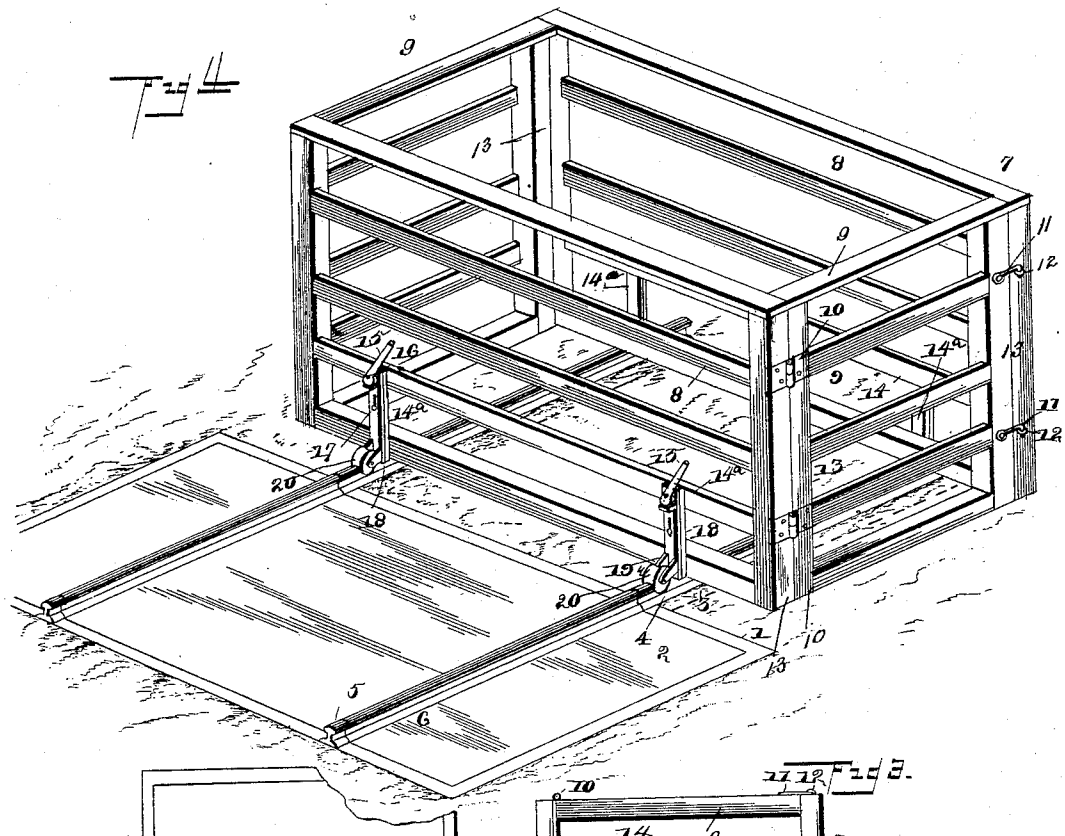
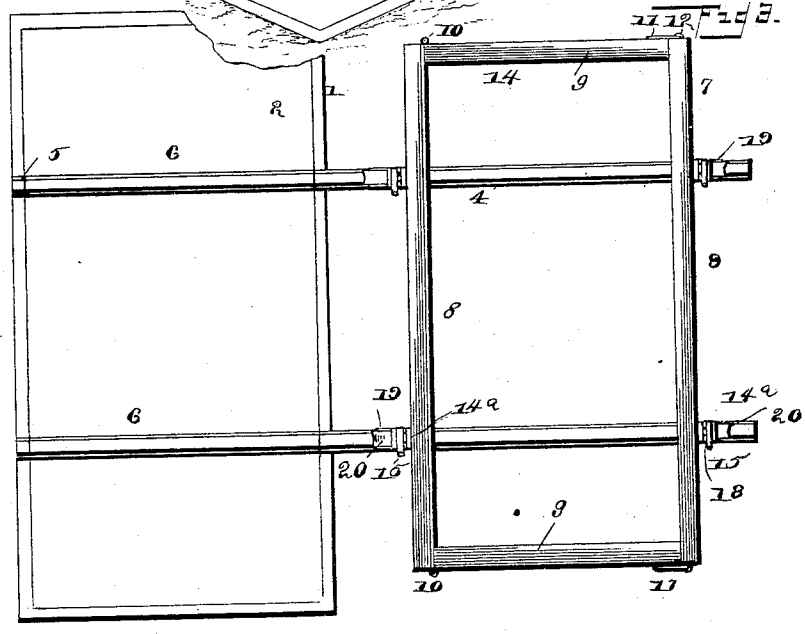


Fig. 2.



Witnesses:
John Smirie
W. S. Dewall.

By their Attorneys
C. A. Snow & Co.

Inventors
Albert Charles
Joseph W. Garrison

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ALBERT CHARLES AND JOSEPH W. GARRISON, OF BLUE MOUND, KANSAS.

PORTABLE FRAME FOR STOCK-SCALES.

SPECIFICATION forming part of Letters Patent No. 433,516, dated August 5, 1890.

Application filed October 26, 1889. Serial No. 328,317. (No model.)

To all whom it may concern:

Be it known that we, ALBERT CHARLES and JOSEPH W. GARRISON, citizens of the United States, residing at Blue Mound, in the county of Linn and State of Kansas, have invented a new and useful Platform of Scales for Trucks, of which the following is a specification.

The object of this invention is to provide a movable truck or frame to be shifted upon and off the platform of scales, said frame being adapted to open for the reception of stock and to be lowered upon the supporting-frame of the platform, whereby the stock within the frame are retained directly upon the platform and their true weight can be ascertained, and afterward raised upon its casters and shifted off the platform, whereby the scale may be used for other purposes, such as weighing wagons, &c.

With these general objects in view the invention consists in certain features of construction hereinafter specified, and particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective of a scale-platform provided with a stock-frame and other adjuncts constructed in accordance with our invention. Fig. 2 is a detail in perspective of one of the caster-standards with a caster mounted thereon. Fig. 3 is a plan, and Fig. 4 is a perspective, the frame being moved to one side. Fig. 5 is a vertical central section of the caster and its standard in detail.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 represents the frame of the platform, of the usual rectangular shape in plan, and within the same there is mounted the platform 2. Projecting from one side of the frame are a pair of track-bars 3, and upon the same there are mounted track-sections 4, the inner ends of which overlap the frame 1 and extend to the edge of the platform 2. The platform is provided with track-sections 6, which register with and form a continuation of those upon the track-bars. The opposite side of the frame 1 is also provided with short track-sections 5 in line with and registering with the sections 6.

7 represents the stock-frame, and the same agrees in size and contour with the platform-frame 1, and consists of opposite longitudinal sides 8 and end sections 9. One of the sides 8 has hinged at either end the end sections 9, as shown at 10, and the free ends of the end sections are provided with hooks 11, which are adapted to take into staples 12 inserted in the ends of the removable side section. Each of the sections comprises end bars 13, connected by two series of longitudinal bars 14, and it will be apparent from the foregoing description that either of the end sections may be swung open for the reception of cattle which it is desired to weigh upon the hoof.

Each of the side frames 8 is provided with vertical standards 14^a, and near the upper ends of the same there are pivoted cam-levers 15 by means of bearing-bolts or pins 16, and below the cam-levers there project from the bases of the standards pins 17.

18 represents casters, the vertical shanks of which are bifurcated at their upper ends and adapted to receive the bearing-pins 16 of the cam-levers, and are provided with a lower slot 19 for the reception of the guide-pins 17 of said standards. Flanges 18^a are formed transverse the shanks at the lower ends of the bifurcations of the standards, and upon the same are adapted to operate the cam-faces of the levers.

19 represents a pair of bearing-lugs projecting outwardly from each of the caster-shanks at its lower end, and in the same are journaled a grooved wheel 20, adapted to move upon the track-sections.

The frame mounted upon casters, as described, is rolled from the outwardly-projecting track-sections over upon the platform of the scale, so that the casters rest upon the tracks at each side of the platform, which platform, it will be observed, is completely surrounded by the frame. Either of the ends or gates of the frame is now swung open and the cattle admitted. Previous, however, to the opening of the gates the cam-levers are swung down, so as to withdraw their cam-faces from contact with the transverse flanges of the casters, and in this manner the frame is permitted to lower upon the frame 1 of the platform. By this means the rush of cattle

will not have the effect to jostle or knock the frame off from the platform, and no weight of the stock-frame will rest upon the platform, but upon the frame surrounding the same, and the stock will be confined to the platform itself.

Having thus described our invention, what we claim is—

1. A scale-platform provided with a movable stock-frame inclosing said platform and resting upon the surrounding frame thereof, substantially as specified.

2. The combination of the platform of a scale and its surrounding frame, track-sections mounted on opposite sides of the frame and transverse the platform, track-bars having track-sections arranged in line with the track-sections of the frame and platform and extending to one side thereof, a stock-frame larger than and adapted to surround the platform and approximating the size of the frame and provided with vertically-reciprocating casters mounted on the track, and means for depressing the casters below the stock-frame, substantially as specified.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

ALBERT CHARLES.
J. W. GARRISON.

Witnesses:
B. F. GIBBS,
A. W. GIBBS.