

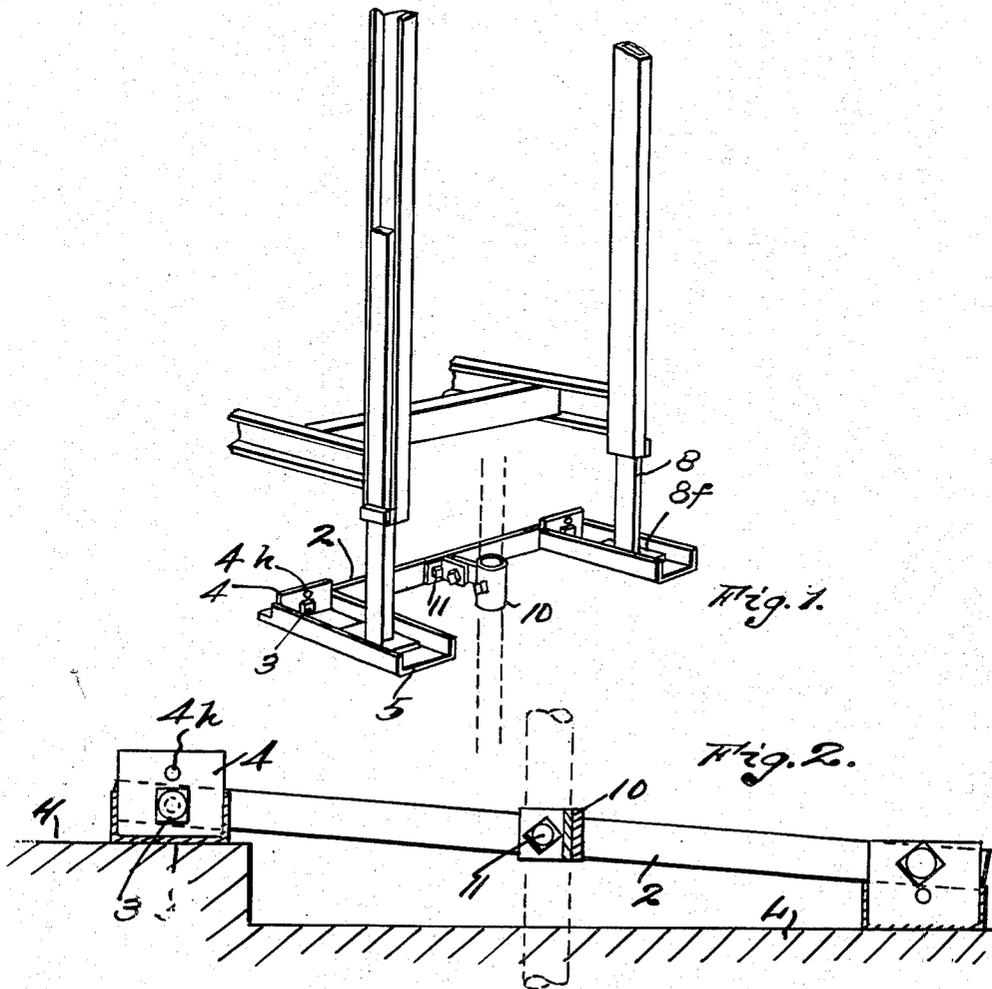
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ADJUSTABLE, POWER-BUCKET MACHINE LEG PLATFORM

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ADJUSTABLE, POWER-BUCKET MACHINE LEG PLATFORM

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1 Claim. (Cl. 248-346)

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This invention is a sewer-hole-top platform for use with power, cleaning-bucket machines of the type disclosed in application No. 190,223, filed October 14, 1950, now abandoned.

Such machines include front end legs which take the load of the cleaning bucket during tube or flow bore operations.

The feet of the legs must be safely supported generally at different surface levels as to the mouth of a manhole of the job being worked. Therefore, the instant invention has for a purpose to provide a unitary platform including a pair of relatively adjustable plates locatable on the ground, or road or other surface contiguous to the mouth of a manhole at which the bucket working machine is to be planted for the job, and a sturdy tie beam to which the said plates are so attached as to be respectively set and fixed according to the different levels and angularity of the supporting surface about the mouth of the manhole.

And, further, an intent of the invention is to provide the tie beam with an adjustable guide clamp device in which may be secured a generally vertical, and turnable and slidable standard forming a part of a bucket cable guide set forth in copending application No. 268,255.

The invention resides in certain advancements in this art as set forth in the ensuing disclosure and has with the above, additional objects and advantages as hereinafter developed and whose construction, combinations and details of means and manner of operation will be made manifest in the following description of the herewith illustrative embodiment; it being understood that modifications, variations, adaptations and equivalents may be resorted to within the scope, spirit and principles of the invention as it is claimed in conclusion hereof.

Figure 1 is a perspective view of the front leg frame portion of a power bucket machine. Figure 2 is a vertical cross-section through foot plates of the platform and showing angular adjustment of the tie beam to compensate for different levels of the plates.

Legs 8 of the machine may have foot pieces 8f which, in setting of the machine for a job at a manhole, may be at different horizontal or different surface pitches and sometimes both.

The preferred embodiment of the platform includes a strong tie or cross-beam 2, of any stock material cross-section angle iron being here

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shown. The vertical-plane web of the beam is pierced by clamp-forming pivot bolts 3 which are selectively adjustable in one or another of a series of bolt holes 4h provided in vertical, end cheeks 4 rigidly fixed to ends of respective foot plates 5 of suitable length and projecting outwardly from the outer face of the beam 2. For stiffness and great strength the plates are preferably made of stock channel-section iron; the side flanges being of advantage in laterally stabilizing the imposed leg feet 8f.

From the above it will be seen that the foot plates may be readily oscillated on the loosened pivot bolts 3 to be accommodated to different levels as H and L, Fig. 2, and to different pitches of the engaged surface when they occur. In cases of different level adjustments of the plates 5 the beam 2 will accordingly tilt as to the machine.

When and if desired the beam may be provided with a centrally located clamp device 10 having a horizontal pivot bolt 11 in the beam. The clamp is therefore oscillated on the beam to properly position a sheave hanging standard 12.

What is claimed is:

A platform structure of the class and for the purpose set forth and including a transverse, ground beam having on one side a centrally located, pivotally attached tubular clamp tiltable to compensate for ground angle of the beam, a pair of parallel plates extending in the same direction from the side of the beam having said clamp, vertical end cheeks rigidly affixed to the plates and each having a vertical series of pivot holes, and bolts selectively insertible in appropriate of the holes to provide for angle adjustment of the beam as determined by the levels of the said plates.

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