

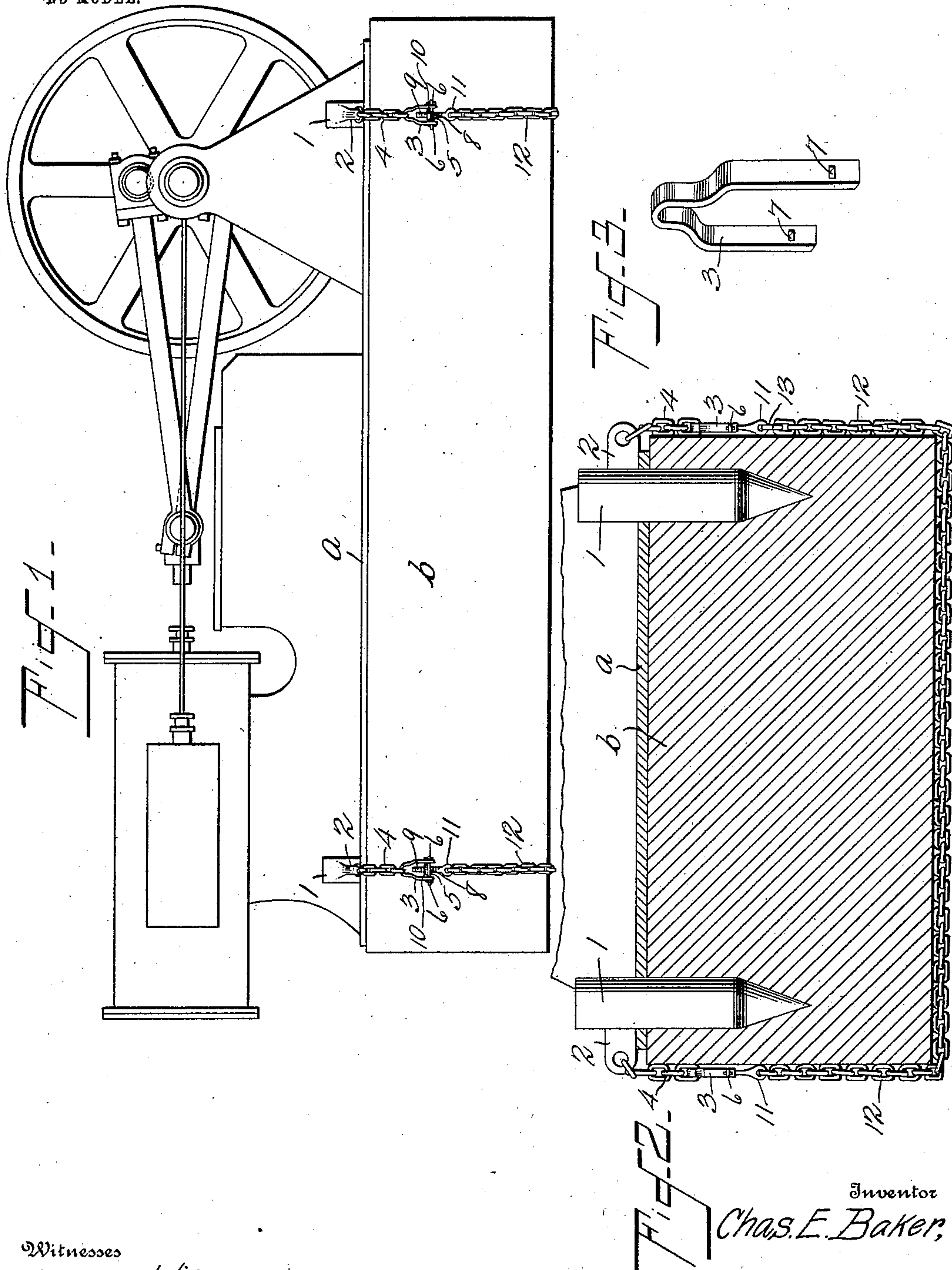
No. 728,834.

PATENTED MAY 26, 1903.

C. E. BAKER.
ANCHOR DEVICE FOR ENGINE BEDS.

APPLICATION FILED NOV. 13, 1902.

NO MODEL.



Witnesses

George Hilton

George Hilton

By

H. B. Wilson & Co.

Attorneys

Inventor

Chas. E. Baker,

UNITED STATES PATENT OFFICE.

CHARLES E. BAKER, OF BLOOMDALE, OHIO.

ANCHOR DEVICE FOR ENGINE-BEDS.

SPECIFICATION forming part of Letters Patent No. 728,834, dated May 26, 1903.

Application filed November 13, 1902. Serial No. 131,250. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. BAKER, a citizen of the United States, residing at Bloomdale, in the county of Wood and State of Ohio, have invented certain new and useful Improvements in Anchor Devices for Engine-Beds; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in devices for detachably securing the beds of engines such as are employed for operating oil-well rigs to the wooden blocks on which the said engines are customarily mounted; and it consists in the peculiar construction and combination of devices hereinafter fully described and claimed.

The object of my invention is to provide improved devices of this character by means of which an engine-bed may be readily secured to a supporting-block in a short time and as readily detached therefrom when the engine is to be removed to another location.

In the accompanying drawings, Figure 1 is a side elevation of a steam-engine provided with my improved devices for securing the bed-plate thereof to a wooden block, showing the engine mounted on the block. Fig. 2 is a transverse sectional view of the same, on a somewhat larger scale; and Fig. 3 is a detail perspective view of one of the yokes.

Heretofore it has been usual to secure the bed of an engine used for operating an oil-well rig on a wooden block by means of bolts. Necessarily a good deal of time is lost in this bolting of the bed-plate of an engine to a block, and, moreover, this means for securing the bed-plate of the engine to the block is insufficient when the block becomes partly decayed. I have provided improved means for detachably securing the engine-bed to the block, which means I will now describe.

The engine-bed is indicated at *a*, and the block on which the same is mounted is indicated at *b*. The bed is provided at suitable points with vertical openings *c*, which extend therethrough.

In the embodiment of my invention I provide anchor-pins 1 of suitable dimensions, which are adapted to be driven into the up-

per side of the block *b* through the openings *c* and are provided near their upper ends on their outer sides with laterally-projecting heads 2, which are adapted to bear on and to project beyond the sides of the engine-bed. From these heads 2 are suspended yokes 3, which are of inverted-U shape, by means of chains or other suitable connecting elements 4. The lower ends of the arms of each of the said yokes are connected together by a cross-bar 5, which is provided at its ends with trunnions 6, that engage bearing-openings 7, with which the said yokes are provided, whereby the said cross-bars are swiveled to the said yokes. Each of the said cross-bars is provided with a centrally-transverse opening 8, in which operates an adjusting-bolt 9. The said adjusting-bolts have adjusting-nuts 10 to bear on the said cross-bars and are provided at their lower ends with eyes 11. A chain 12 has one end connected to the eye of one of said bolts, and to the eye of the other bolt of the pair is attached a depending grab-hook 13, which is adapted to be engaged by the chain 12 after the latter has been passed transversely under the block. This construction enables the chain to be detachably connected to one of the adjusting-bolts of each pair of my improved securing devices to compensate for variations in the dimensions of the blocks *b*. It will be understood that after the chain has been thus engaged by the grab-hook 13 the chain will be tightened by turning the nuts 10 on the adjusting-bolts and that hence the bed-plate of the engine may be very securely fastened on the supporting-block. It will be further understood that my improved securing devices are effective even when used in connection with blocks which are partially decayed, as the chains 12 pass under and engage the sides of the block, and the condition of the latter as to its being decayed or partially decayed does not impair the efficiency of my improved securing devices.

In practice I am by means of my improved securing devices enabled to securely mount an engine on a block in about twenty minutes, while heretofore it has necessarily taken about six hours to bolt an engine-bed to such a block.

From the foregoing description, taken in connection with the accompanying drawings,

the construction, operation, and advantages of my invention will be readily apparent, it is thought, without requiring a more extended explanation.

5 Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of my invention.

10 Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination with a pair of anchor-pins, of a flexible connecting element, and
15 means to connect the end portions of the latter to the said anchor-pins and to tighten said flexible element, substantially as described.

2. The combination with a pair of anchor-pins, of yokes connected thereto and having
20 adjusting-bolts, and a flexible connecting element, as a chain, connected to the said adjusting-bolts, substantially as described.

3. The combination with a pair of anchor-pins, of yokes connected thereto and having adjusting-bolts, and a flexible connecting ele- 25 ment, as a chain or the like, having one end attached to the said adjusting-bolts, and means to detachably connect the other end thereof to the other adjusting-bolt, substantially as described. 30

4. The combination of a pair of anchor-pins, yokes connected thereto and having swiveled cross-bars, adjusting elements connected to the said swiveled cross-bars and to a flexible element connecting the said adjust- 35 ing element, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

CHARLES E. BAKER.

Witnesses:

W. P. MILLER,
E. D. BLOOM.