

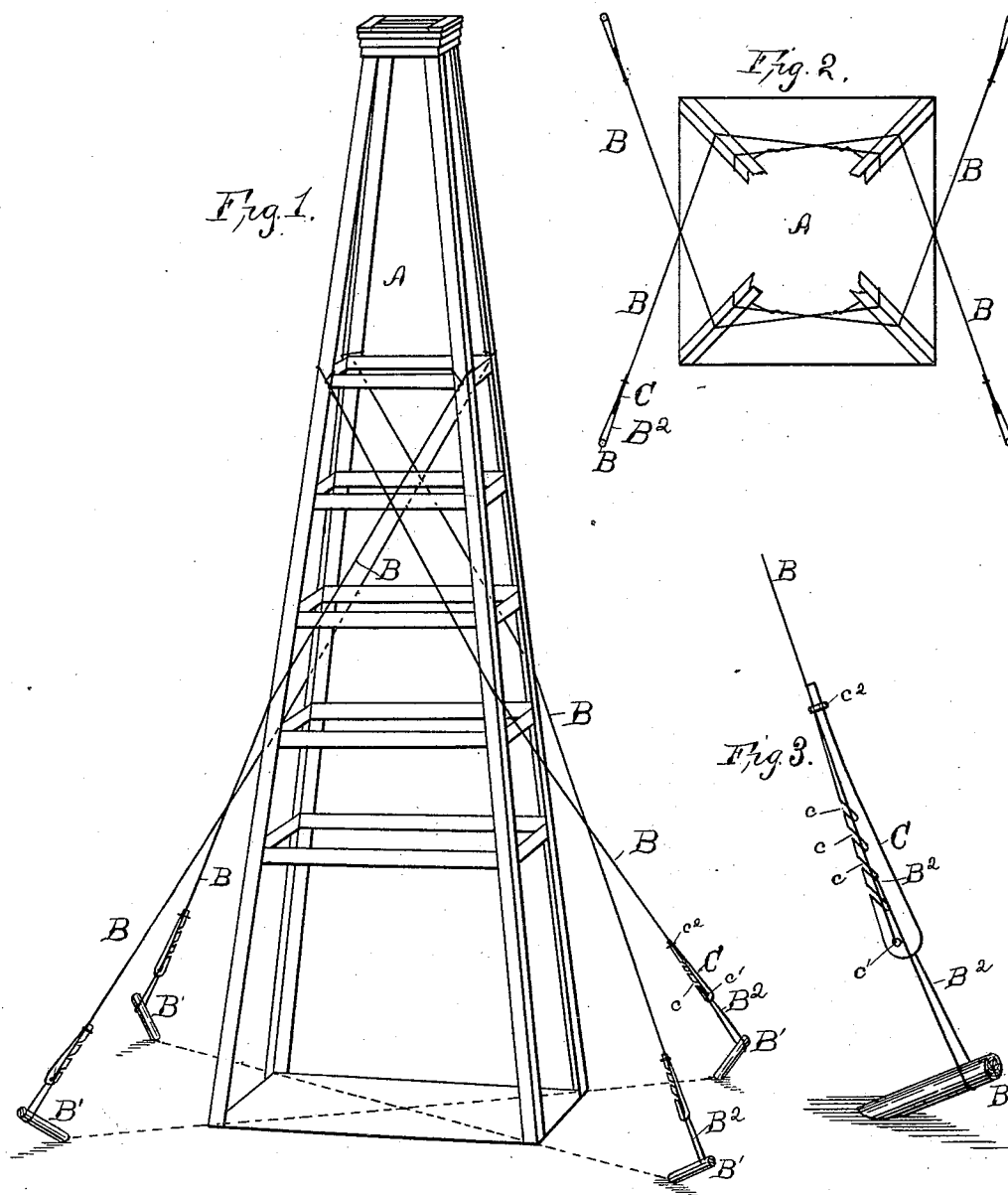
(No Model.)

G. H. ANDERSON.

STAY FOR OIL WELL AND OTHER DERRICKS.

No. 343,264.

Patented June 8, 1886.



WITNESSES
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UNITED STATES PATENT OFFICE.

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STAY FOR OIL-WELL AND OTHER DERRICKS.

SPECIFICATION forming part of Letters Patent No. 343,264, dated June 8, 1886.

Application filed June 26, 1885. Serial No. 169,910. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. ANDERSON, a citizen of the United States, residing at Bradford, in the county of McKean and State of Pennsylvania, have invented certain new and useful Improvements in Stays for Oil-Well and other Derricks; and I do hereby 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.

This invention relates to stays or guys for derricks and high structures; and it consists in the manner of applying said stays upon the derrick or structure and in the means provided for tightening said stays.

The device is illustrated in the accompanying drawings, as follows:

Figure 1 is a perspective view of a derrick having my invention applied thereto. Fig. 2 is a top or plan view of a derrick, and shows the manner of applying the stays thereon. Fig. 3 is an enlarged illustration of the device for tightening the stays.

Letters of reference indicate parts, as follows: A is a derrick. B B, &c., are guy-wires or stays. B' are the stakes or posts on which the guys are attached at the ground end. C is a lever used for tightening the guy after it is in place. Other letters of reference will appear in proper place in the following general description:

It will be seen by observing Figs. 1 and 2 that the guy which is attached to the stake opposite one corner of the derrick passes around the derrick, and is attached thereto at the opposite corner, and that guys from one side of the derrick are wrapped around it in one direction, while those on the other side of the derrick are wrapped around it in the opposite direction. This manner of attaching the guys to the derrick not only holds it against being blown down, but prevents it from being warped or twisted by action of the wind, and also binds it together. If desired, each guy may be so attached as to wind entirely around the derrick; but it is sufficient to attach them in the manner shown. Each guy is divided into two parts, B, the main part,

and the loop B², which is attached to the 50 ground post or stake. On the lower end of the main guy B there is pivotally attached a lever, C, by the wire of the guy looping through the hole c' at the end of the lever. Along one end of the lever C is a series of 55 notches, c c, which run into the lever obliquely toward the pivoted end thereof, giving them a hooked formation.

To connect the main guy B with the stake-loop B², the lever C is passed through the 60 loop B², and the loop is hooked into one of the notches c, and then the lever is turned or lifted up to the main guy B, where it is held in position by the clasp c², which may be a ring sliding on the main guy. It will be 65 seen that if the guy or guys become loose the long end of the lever C can be released from the clasp c² and the lever turned down, and loop B² can be placed in one of the notches c, farther from the fulcrum c', and the lever 70 again turned back upon the guy B, and thereby the guy will be tightened.

This device may be used on guys and stays of various kinds without any material modification. 75

The lever C will constitute an article of manufacture. It consists of a flat piece of iron, either wrought or cast, or struck up from sheet metal into the form shown.

I am aware that devices for adjusting stays 80 have been made with pivoted levers to draw the stay tight, as in the patent to J. B. Wood, May 2, 1882, No. 257,263; and I do not therefore desire to be considered as broadly claiming such a lever; but my device is much 85 simpler and cheaper, and is really very different in construction from the device shown in said patent.

What I claim as new is—

1. In a device for staying derrick or other 90 structures, the combination, with the said derrick or structure, of guy-lines which extend from various points around the same, and are wrapped or wound upon it, substantially as shown and described.

2. In a stay or guy for derricks and other 95 structures, the combination of the main guy B, the stake-loop B², and the notched lever

C, hung on the main guy and engaging with the stake-loop, substantially as and for the purposes set forth.

3. As an article of manufacture a tightening-lever for stays or guys, consisting of the flat lever C, provided with a pivot or fulcrum-hole, *c'*, at one end and notches *c c* on one

side, which slant toward the said pivot-hole.

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

G. H. ANDERSON.

Witnesses:

JNO. K. HALLOCK,

R. H. PORTER.