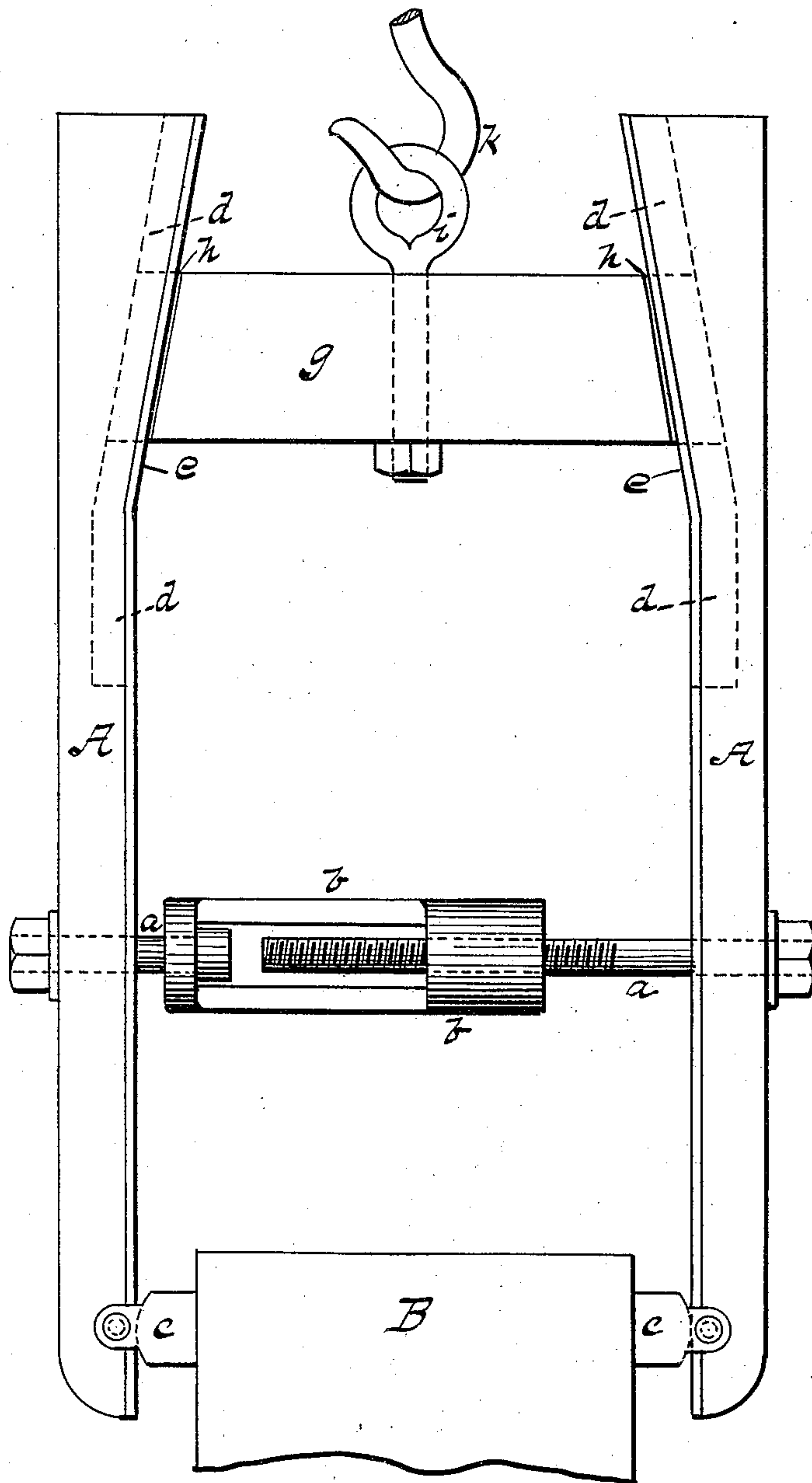


(No Model.)

D. ENGLISH.  
STONE LIFTER.

No. 322,813.

Patented July 21, 1885.



WITNESSES:  
H. E. Harrison.  
A. J. Pearson

Per.

Inventor.  
D. English  
O. D. Lewis  
Att'y.

# UNITED STATES PATENT OFFICE.

DANIEL ENGLISH, OF BROOKVILLE, PENNSYLVANIA.

## STONE-LIFTER.

SPECIFICATION forming part of Letters Patent No. 322,813, dated July 21, 1885.

Application filed May 29, 1885. (No model.)

*To all whom it may concern:*

Be it known that I, DANIEL ENGLISH, of Brookville, in the county of Jefferson and State of Pennsylvania, have invented certain new and useful Improvements in Stone-Lifters; 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 pertains to make and use it, reference being had to the accompanying drawing, which forms part of this specification.

My invention relates to an improvement in stone-lifters, the object being to provide a lifter of simple and durable construction and of small initial cost; and to that end my invention consists in the peculiar construction and arrangement of parts, as hereinafter fully set forth.

In the accompanying drawing I show the front elevation of my improved stone-lifter.

To put my invention into practice, I provide a frame, A, in two parts, and secured together by bolts *a*, operated by a sleeve-nut, *b*, placed somewhat below the middle of the frame A. At or near the lower ends of the frame A are placed self-adjusting pieces *c*, which will conform to any irregularity in the sides of the stone B. A short distance above the bolts *a* the inside of the frame A inclines inwardly until it reaches the top. A groove, *d*, is cut in both sides of the frame, commencing below the beginning of the inclined surfaces *e*. Between the frame A is placed a cross-bar, *g*, with tongues *h* at either end, which, when placed in position, allow the bar *g* to move vertically in the grooves *d*. An eyebolt, *i*,

is secured to the cross-bar *g*, through which the hook *k* on the chain of any crane or elevator is secured.

To use my improved stone-lifter, the lower part of the frame A is placed on either side of the stone B or other substance to be raised. The two sides of the frame A are brought together by turning the sleeve-nut *b*. The cross bar *g* is first let down until the tongues *h* rest in the bottom of the grooves *d*, the sides of the frame A being brought together as far as the adjusting-pieces *c* will admit. The crane or elevator is now put in motion, and the cross-bar *g* moves up the grooves *d*, acting as a wedge, while the sides of the frame A are levers, of which the bolts *a* are the fulcrums. It is obvious that the greater the weight to be lifted the tighter the self-adjusting pieces *c* will clutch the stone.

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

In a stone-lifter, the combination of the frame A, provided with self-adjusting pieces *c*, inclined surfaces *e* on the inside, and grooves *d*, bolts *a*, and sleeve-nut *b*, for operating the frame A, and cross-bar *g*, provided with tongues *h* at either end, substantially as and for the purpose herein described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

DANIEL ENGLISH.

Witnesses:

W. C. BARR,  
A. J. PEARSON.