

No. 822,769.

PATENTED JUNE 5, 1906.

A. G. QUIST.

LEWIS.

APPLICATION FILED JAN. 13, 1905.

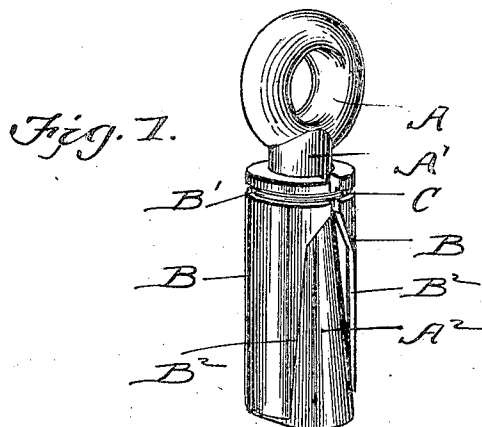


Fig. 2.

Fig. 3.

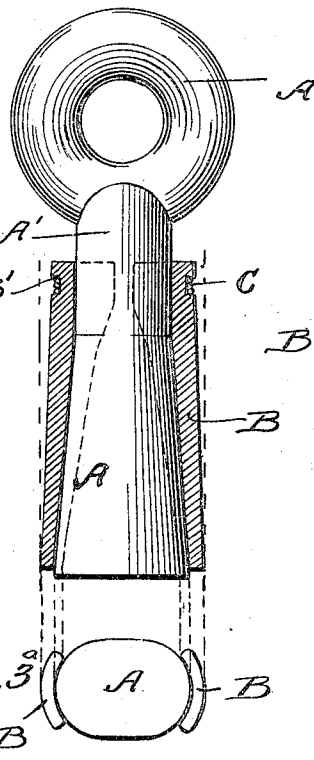
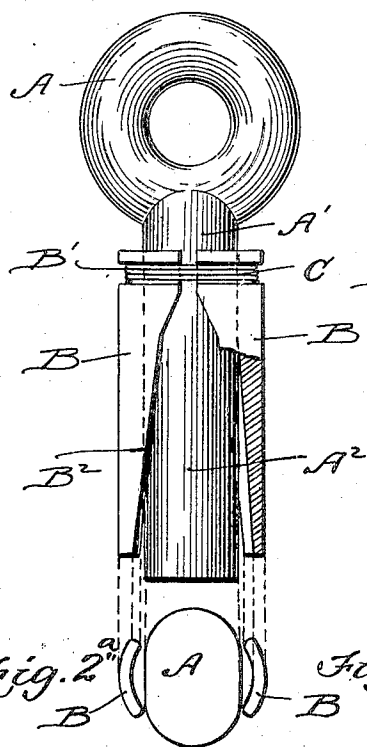


Fig. 4.

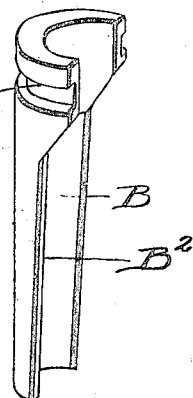


Fig. 2.

Fig. 3.

Witnesses
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LEWIS.

No. 822,769.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ANDREAS G. QUIST, a citizen of the United States, residing at West Chelmsford, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Lewises, of which the following is a specification.

This invention relates to a lewis designed for lifting stone where it would be impractical or inconvenient to lift the stone by means of a chain.

The object of the invention is a lewis which can be quickly placed in position in the socket formed in the stone and easily removed.

The invention consists of an eyebolt elliptical in cross-section at its lower end and tapering gradually to a cylindrical shank adjacent the eye and of two curved or semicylindrical sleeves adapted to loosely embrace the cylindrical portion of the bolt and to be forced away from each other by the elliptical portion when the bolt is rotated a quarter of a revolution.

The invention also consists in the novel features of construction and combination of parts hereinafter set forth, pointed out in the claims, and shown in the accompanying drawings, in which—

Figure 1 is a perspective view of the device. Fig. 2 is a vertical elevation, a portion of one sleeve being broken away, the parts being shown in open or unlocked position. Fig. 2^a is an end view, the parts being in open position. Fig. 3 is a vertical elevation of the bolt, the sleeves being shown in section and the parts being in closed or locked position. Fig. 3^a is an end view showing the parts in closed position. Fig. 4 is a detail perspective view of one of the sleeves.

In the drawings, A represents the head of the eyebolt, the said head forming the eye and having adjacent the head a cylindrical portion A', the lower portion being gradually enlarged and elliptical in cross-section, or as seen from the lower end, as shown in Figs. 2^a and 3^a. I provide two semicylindrical sleeves B, having a peripheral groove B' formed adjacent the upper ends and cut away longitudinally in their lower portions, as shown at B², in order to permit the lower end of the bolt, which is elliptical in cross-section, to project beyond the edges of the

semicylindrical sleeves and also permit the bolt to be easily turned between the sleeves when it is desired to expand or separate their lower ends. These sleeves B fit loosely the cylindrical shank portion A' and extend approximately to the lower enlarged end of the bolt. The sleeves B are held in place upon the bolt by a wire C, which rests in the grooves B'.

In use the lewis is placed in the socket or hole formed in the stone, which it should fit snugly, and the bolt is then turned one-quarter of a revolution, or from open to closed position, locking the lewis securely in place. To unlock, the bolt-head is tapped smartly with any convenient instrument or a piece of stone to loosen it and then turned back into open position.

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

1. A lewis comprising a bolt having a cylindrical portion and an elliptical portion, semicylindrical sleeves arranged upon opposite sides of the bolt said sleeves embracing the cylindrical portion of the bolt and being cut away longitudinally adjacent the elliptical portion of the bolt, and means for holding the sleeves in place.

2. A lewis comprising an eyebolt having an elliptical portion tapering to a cylindrical portion adjacent the eye, sectional sleeves adapted to embrace opposite sides of the bolt, said sleeves being grooved, and a wire encircling the sleeves and bolt and resting in the grooves.

3. A lewis comprising a bolt having an eye at one end, an elliptical portion at the opposite end, and tapering to a cylindrical portion adjacent the eye, longitudinally-curved sleeves adapted at their upper ends to embrace the cylindrical portion of the bolt and longitudinally cut away adjacent their lower ends, said sleeves having alining grooves adjacent their upper ends, and a wire arranged in the grooves and adapted to secure the sleeves in position on the bolt.

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Witnesses:

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