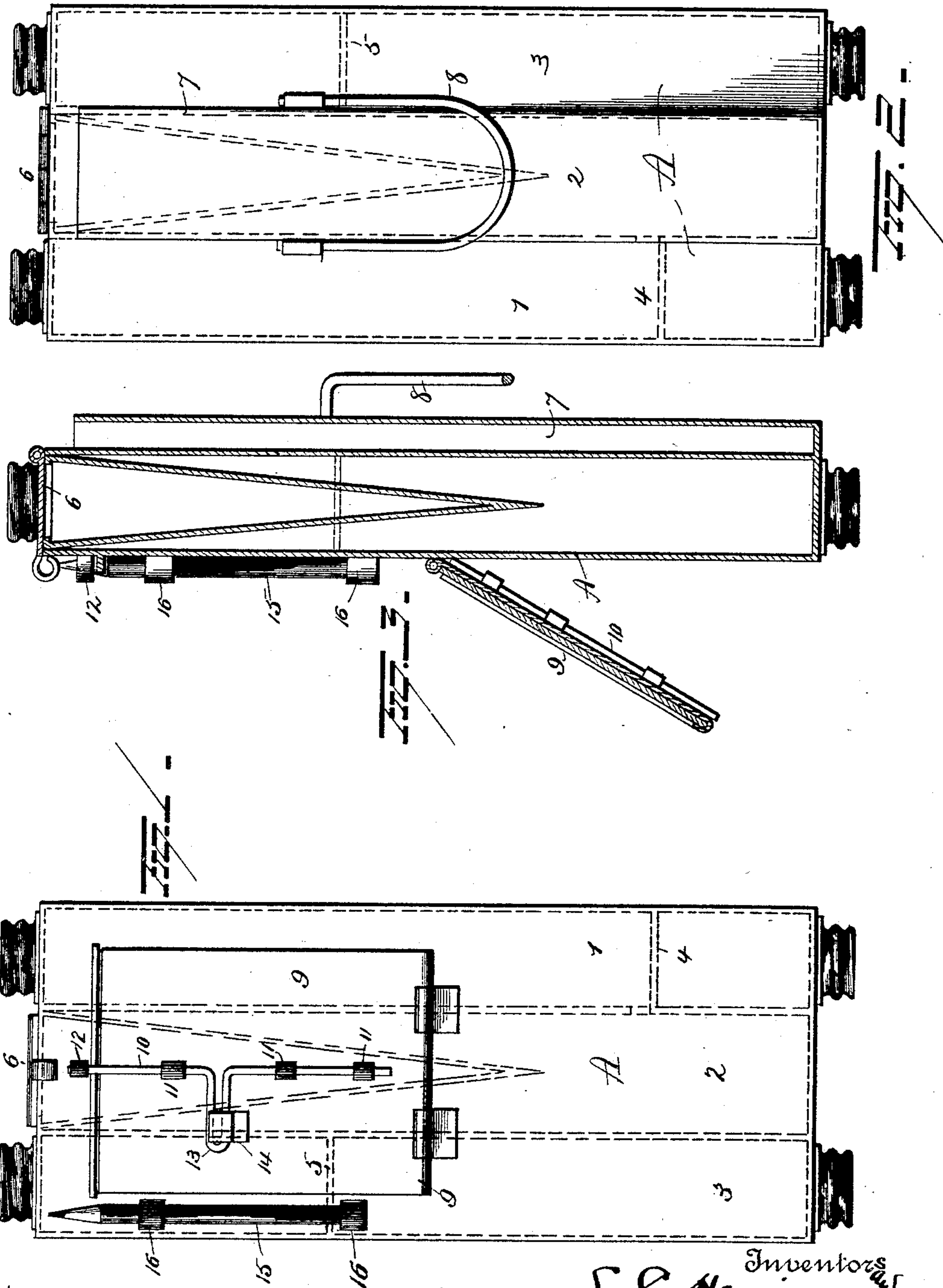


(No Model.)

L. C. HARRISON & C. KEEF.
MINER'S COMBINATION BOX.

No. 435,746.

Patented Sept. 2, 1890.



Witnesses
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UNITED STATES PATENT OFFICE.

LEONARD C. HARRISON AND CALVIN KEEF, OF WARRIOR, ALABAMA.

MINER'S COMBINATION-BOX.

SPECIFICATION forming part of Letters Patent No. 435,746, dated September 2, 1890.

Application filed June 26, 1890. Serial No. 356,909. (No model.)

To all whom it may concern:

Be it known that we, LEONARD C. HARRISON and CALVIN KEEF, of Warrior, in the county of Jefferson and State of Alabama, have invented certain new and useful Improvements in Combination Devices for Miners; and we 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.

Our invention relates to an improvement in combination devices for carrying miners' supplies, the object being to provide a device for the use particularly of miners or other artisans for carrying such articles as pertain to their respective business—as, for instance, for carrying oil, matches, dynamite-caps, squibs, slate, pencil-checks, and files; and with this end in view our invention consists in certain novel features of construction and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figures 1 and 2 are opposite side elevations, and Fig. 3 is a sectional view.

A represents the outer shell of which the device is formed. This is preferably rectangular in shape and moderately flat, so as to be as little an obstruction as possible to the wearer, and yet be of sufficient size to carry such articles as are necessary in the particular vocation of the possessor.

The device is preferably divided longitudinally into three sections 1, 2, and 3, and these sections may be subdivided, if desired, as in the present instance, as indicated in the drawings. The outer sections are divided into different-sized compartments by means of partitions 4 and 5 to accommodate the articles to be carried. For instance, the larger compartment in section 1 is used for miners' oil and the smaller one for dynamite-caps, each of these compartments having a screw-cap or equivalent device on the outer ends, whereby they may be replenished or their contents may be removed, as required for use. The section 3 is similarly divided into two or more compartments, and said compartments are similarly provided with caps or corks, and these compartments are nearer equal in size and preferably devoted to squibs and matches.

The central section is provided with an inner compartment, which is closed at the outer end with a small door 5. In this compartment miners' checks are kept. The remainder of the central section surrounding this compartment is adapted to contain a supply of oil, and this oil-chamber is conveniently in communication with the other oil-chamber, as more space is needed for oil than for any other article used by miners. Back of the central section 2 a shallow check-case 7 is formed, and a hook 8 is provided as means for securing the device to the belt of the wearer.

On the opposite side of the device a slate or other tablet 9 is hinged in convenient position to receive items, such as the amount of coal or ore mined. This slate is adapted to be closed when not in use, it being provided with a latch 10, which slides in loops 11 and into keeper 12. This latch is provided with a handle 13, which is adapted to be swung around and held from accidental displacement by the guard 14.

A pencil 15 is held in straps or loops 16 on the front of the case or in other convenient place.

This device is of great utility to men operating in mines, as each article is conveniently found, and their position is such that they take the least possible room.

It is evident that slight changes might be resorted to in the form and arrangement of the several parts described without departing from the spirit and scope of our invention, and hence we do not wish to limit ourselves to the exact construction herein set forth; but,

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A combination device for artisans, composed of a shell divided longitudinally into several sections and each section into one or more compartments, devices at the opposite ends for opening and closing the compartments, a hinged slate or tablet, a latch for securing the latter in place, and a hook or other device by which it is attached to the wearer, substantially as set forth.

2. The combination of a shell divided longitudinally into sections and each section

into compartments of different sizes, means
located at opposite ends for closing said com-
partments, a file-case, a hinged slate or tablet
on the face opposite from the case, a latch for
5 securing the slate or tablet, a pencil-holder,
and a hook or other device whereby the de-
vice may be secured to the owner, substan-
tially as set forth.

In testimony whereof we have signed this
specification in the presence of two subscrib- ro
ing witnesses.

LEONARD C. HARRISON.
CALVIN KEEF.

Witnesses:

JAMES I. MCWILLIAMS,
HARRY LYON.