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J. BEETON & J. WARDALL.

FILE OR CARRIER FOR MINERS' PICK BLADES OR LIKE TOOLS.

APPLICATION FILED APR. 20, 1903.

NO MODEL.

FIG. 1.

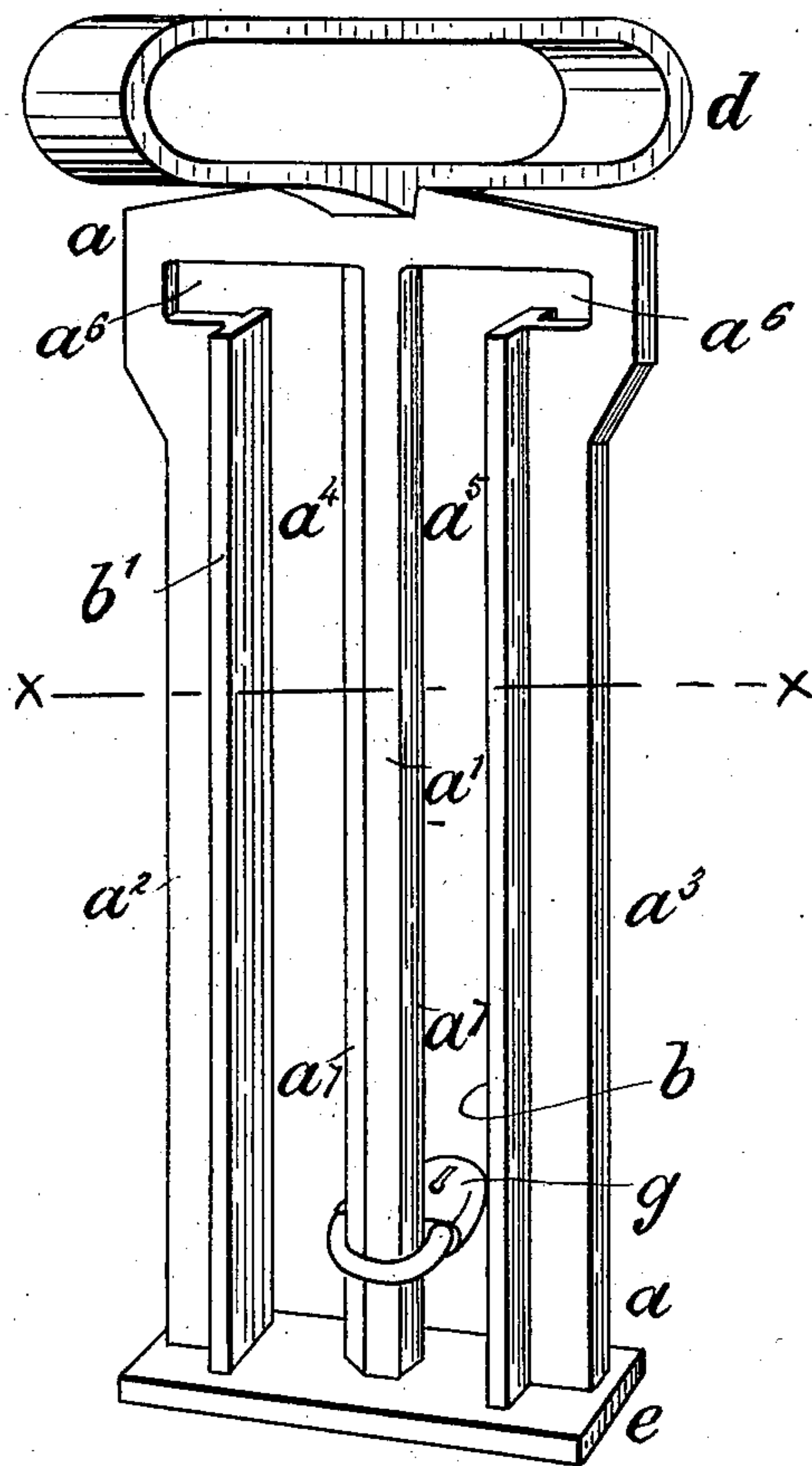
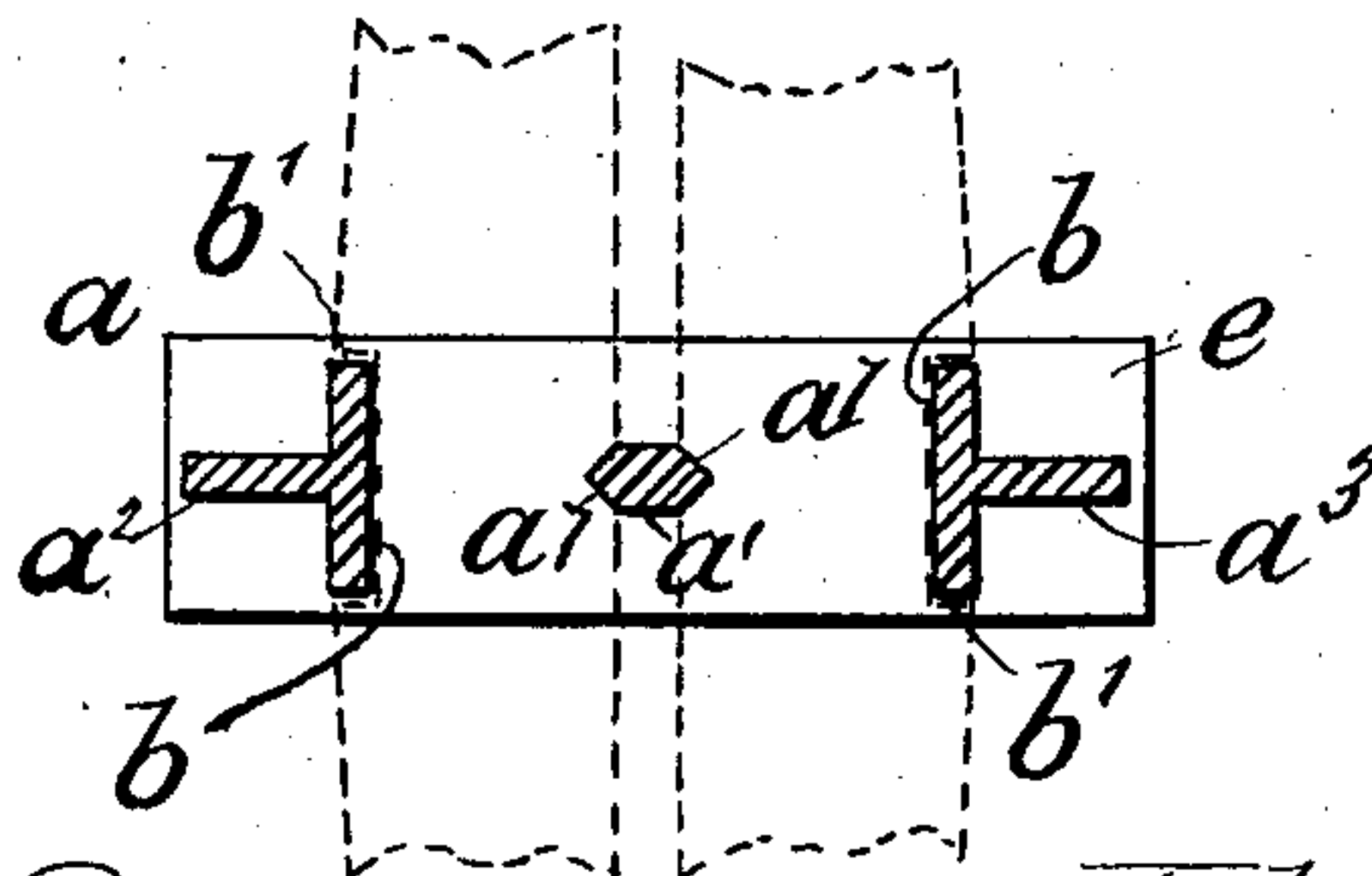


FIG. 2.



Witnesses:

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# UNITED STATES PATENT OFFICE.

JOHN BEETON AND JAMES WARDALL, OF HUCKNALL TORKARD,  
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## FILE OR CARRIER FOR MINERS' PICK-BLADES OR LIKE TOOLS.

SPECIFICATION forming part of Letters Patent No. 756,093, dated March 29, 1904.

Application filed April 20, 1903. Serial No. 153,533. (No model.)

*To all whom it may concern:*

Be it known that we, JOHN BEETON and JAMES WARDALL, subjects of the King of Great Britain and Ireland, residing at Hucknall Torkard, in the county of Nottingham, England, have invented a new and useful File or Carrier for Miners' Pick-Blades and Like Tools, of which the following is a specification.

This invention relates to a file or carrier by means of which a number of miners' pick-blades (or like tools) can be filed or packed one upon another in a handy manner.

Heretofore miners' pick-blades have been strung upon string, rope, wire, or iron rod for the purpose of carrying them into or out of the mine and for storage when not in use. This system has the disadvantage that the rope, wire, or rod is liable to be mislaid, lost, or misappropriated, while, moreover, no means have been used for distinguishing at a glance the set of pick-blades belonging to one miner from those belonging to another miner. Now according to this invention we obviate these disadvantages by the improved means about to be described.

To this end the file consists of a body portion having at one end a handle and at the other end a base-plate, the said body portion being provided with a suitable number of vertical bars—say three—between which two apertures are constituted. At the upper end of each aperture there is a gap into which the pick-blades are introduced and are caused by their usual recess to engage with the inner face of the outer bars, when they can be slid down, the lowermost blade resting on the base-plate. Means are also provided for locking the blades to the file.

In the drawings, Figure 1 is a perspective view of a file constructed according to the invention and adapted for miners' pick-blades, and Fig. 2 is a transverse section of the same on the line  $xx$  of Fig. 1.

$a$  is the body portion of the file, which is formed with three vertical bars  $a'$   $a^2$   $a^3$ , so arranged relatively to each other that two apertures or slots  $a^4$   $a^5$  are formed between the said bars, the width of these apertures being the same as the thickness of the blade meas-

ured at its usual recess. At the upper part of said apertures there is formed in the body a gap  $a^6$ , which is a little larger than the blade at its thickest part, so that said blade can be introduced into said gap.

The side  $b$  of the outer bars  $a^2$   $a^3$  is formed with a tenon or dovetail  $b'$  and is adapted to fit the usual recess in the pick-blade.

The central bar  $a'$  may be of rectangular or prismatic section, or it may have V-shaped edges  $a^7$ , as shown in Fig. 2.

At the lower end of the body  $a$  is the base-plate  $e$ , and at the upper end is the handle  $d$ .

A suitable mark, sign, or symbol may be stamped or cast on the handle or other part of the file, so as to readily cause one file to be distinguished from another.

The handle  $d$  and base-plate  $e$  may be formed integrally with the body  $a$  by casting or otherwise.

To insert or file a blade, it is introduced into the gap  $a^6$  and its recess caused to engage with the tenoned or dovetail side  $b'$  of one of the outer bars, when it can then be slid down until it comes to rest on the base-plate  $e$ . Other blades can be inserted in a similar manner, but each then resting on the one below, and thus forming a pile. If the central bar  $a'$  has its edges V-shaped, a correspondingly-shaped groove is formed in the blade, so as to engage one of said edges. This means for securing the blade to the file may be additional to the means above described and would be of especial use for securing blades or other tools that may have no recess.

To lock the blades on the file, a padlock  $g$  (or other suitable fastening device) is attached by its bow to the central bar  $a'$ , so that when the uppermost blade is raised it carries the padlock with it until said padlock contacts with the top of the gap  $a^6$ , and thus prevents the blade from being removed from the file.

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

1. A file or carrier for miners' pick-blades (and other like tools) consisting of a body provided at one end with a handle and at the other end with a base-plate, the said body being



formed with tenons or dovetails down and into which the pick-blades (having the usual recess) are adapted to slide and engage, and means for locking the said blades in place, 5 substantially as described.

2. A file or carrier for miners' pick-blades (and other like tools) consisting of a body terminating at its upper end in a handle and at its lower end in a base-plate and formed with 10 vertical bars (a central and two outer ones) having slots or apertures between them, the inner face of the outer bars being formed with tenons into which the pick-blade having a recess is adapted to engage while the base of 15 said blade rests against the central bar, a gap at the upper end of each of the slots or apertures to permit the introduction of the blades, and a padlock for locking the blades in place, substantially as described.

20 3. A file of the character described, com-

prising a central bar and a side bar arranged on each side of said central bar, whereby two separate rows of picks may be held by said file, one being arranged between each of said side bars and said central bar. 25

4. A file of the character described, comprising a central bar and a side bar arranged on each side of said central bar, whereby two separate rows of picks may be held by said file, one being arranged between each of said side bars and said central bar; and means for locking the picks in position. 30

In witness whereof we have hereunto signed our names in the presence of two subscribing witnesses.

JOHN BEETON.

JAMES WARDALL.

Witnesses:

THOS. H. COOK,

ERNEST MORAN.