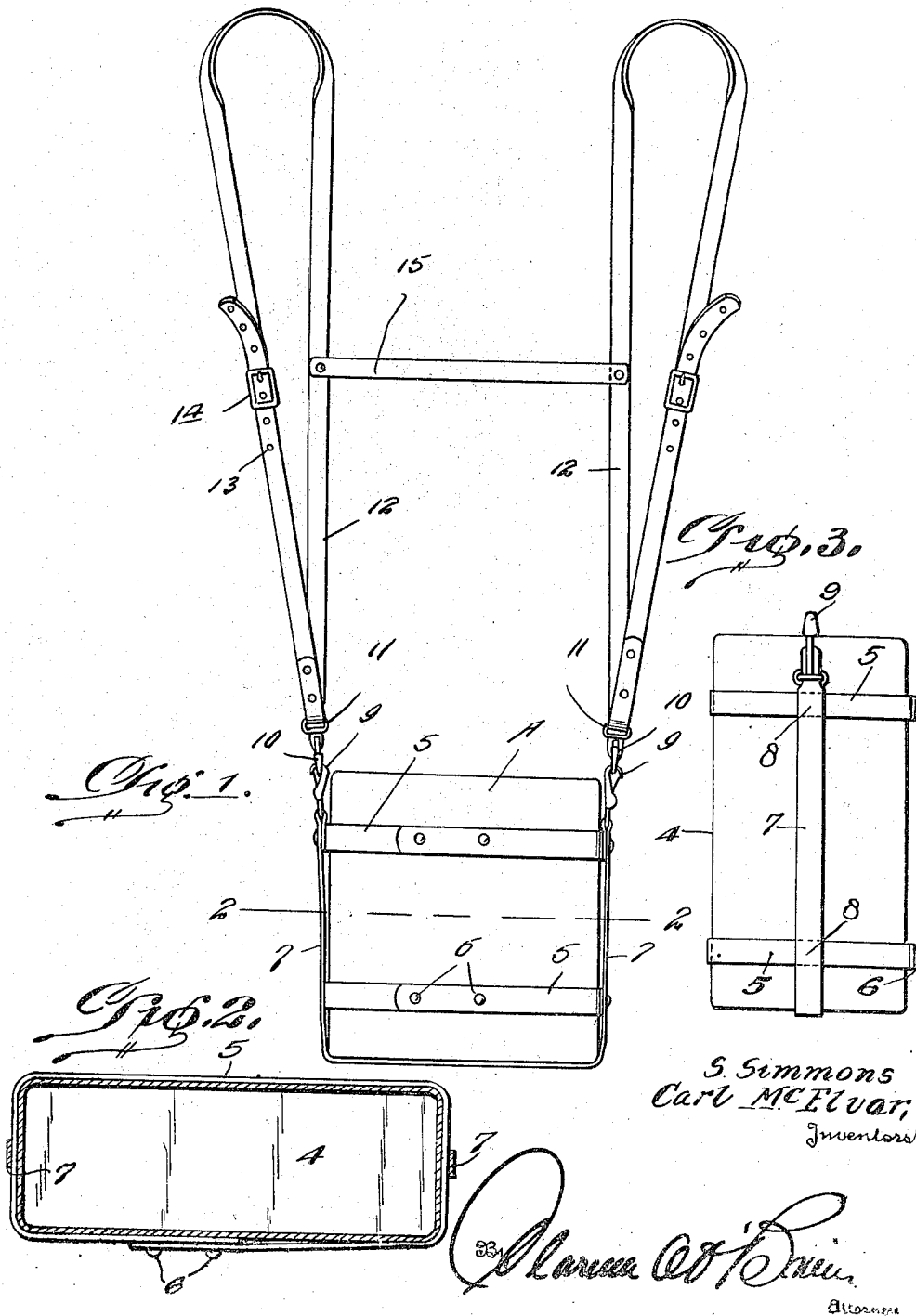


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C. McELVAR ET AL
CARRIER FOR MINERS' BATTERY BOXES
Filed April 30, 1923



UNITED STATES PATENT OFFICE.

CARL McELVAR AND SAMUEL SIMMONS, OF NESQUEHONING, PENNSYLVANIA.

CARRIER FOR MINERS' BATTERY BOXES.

Application filed April 30, 1923. Serial No. 635,765.

To all whom it may concern:

Be it known that CARL McELVAR and SAMUEL SIMMONS, citizens of the United States, residing at Nesquehoning, in the
 5 county of Carbon and State of Pennsylvania, have invented certain new and useful Improvements in Carriers for Miners' Battery Boxes, of which the following is a specification.

10 In carrying out the present invention it is our purpose to provide a highly improved form of carrier for miners' battery boxes, the primary object thereof residing in the provision of such a device wherein the bat-
 15 tery box is entirely supported from the miner's shoulders, the present model of supporting these boxes being to connect the same to a belt running around the waist which is very uncomfortable due to the fact
 20 that the entire weight of the box is upon the miner's back.

A further object of this invention is the provision of such a carrier that is comparatively simple of construction, inexpensive of
 25 manufacture and of such a nature as to be readily attached or removed from the body.

The nature and advantages of the invention will be better understood when the following detailed description is read in connection with the accompanying drawings, the invention residing in the construction, combination, and arrangement of parts as
 30 claimed.

In the drawings forming part of this application, like numerals of reference indicate similar parts in the several views, and wherein:

Figure 1 is an elevation of our improved carrier, the same being shown as having a
 40 battery box associated therewith;

Figure 2 is a detail cross section upon the line 2—2 of Figure 1; and

Figure 3 is a side elevation of the carrier with the shoulder straps removed.

45 Referring to the drawings in detail, 5—5 designates a pair of strap members, the ends of which are in overlapped relation and are riveted or otherwise joined together at 6. The nature of these straps 5 are such as to
 50 permit of the engagement of the usual battery box A therein, these straps conforming to the configuration of the box as more clearly shown in Figure 2.

Connected to the opposite sides of the said
 55 straps 5—5 is a strap member 7, the same

extending beneath the lowermost strap 5 and being secured to the opposite sides of each of the straps through the medium of rivets or the like 8.

The free ends of the strap member 7 are
 60 lapped inwardly before being attached to the uppermost strap 5 for providing eyelets for the reception of the usual bail members of snap hooks 9.

Adapted for interconnection with the snap
 65 hooks 9 are rings 10 that are joined to other rings 11, these last mentioned rings receiving shoulder straps 12. One end of each of the shoulder straps 12 is formed with a plu-
 70 rality of spaced openings 13 while the opposite end carries a buckle 14, the usual pivoted tongue adapted for engagement within a selective opening 13 of the opposite end of the strap.

It is, of course, obvious that the shoulder
 75 straps 12 are to be positioned over the shoulders of the miner in such a manner as to have the ends thereof positioned at the front for permitting adjustments of the straps. Between the portions of the straps 12 that
 80 extend downwardly upon the back is an elastic strap connection 15 for preventing the casual disengagement of the straps 12 from the miner's shoulders.

In view of the above description it will be
 85 readily appreciated by those skilled in the art that we have provided a battery box carrier that is a substantial improvement upon similar devices now upon the market.

Although we have herein shown and de-
 90 scribed the preferred embodiment of the present invention, it is nevertheless to be understood that minor changes may be made therein, without departing from the spirit and scope of the invention as claimed. 95

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

A battery box carrier including a pair of
 100 strap members, the ends of each strap member being permanently secured together, said members being formed into rectangular shape and arranged in horizontal spaced relation, a U-shaped member having the end
 105 portions doubled upon the adjacent portion of the member to form fastener securing eyes, means extending through said doubled end and the opposite end portion of the upper rectangular strap member for permanently securing said members together, 110

means for securing the lower rectangular strap member to the U-shaped member above the bottom portion thereof, and shoulder straps having means cooperating with
5 said fastener receiver eyes for detachable connection therewith, whereby said rectangular strap member, and said U-shaped strap

member form a receptacle for slidably receiving a battery box therein.

In testimony whereof we affix our signatures. 10

CARL McELVAR.
SAMUEL SIMMONS.