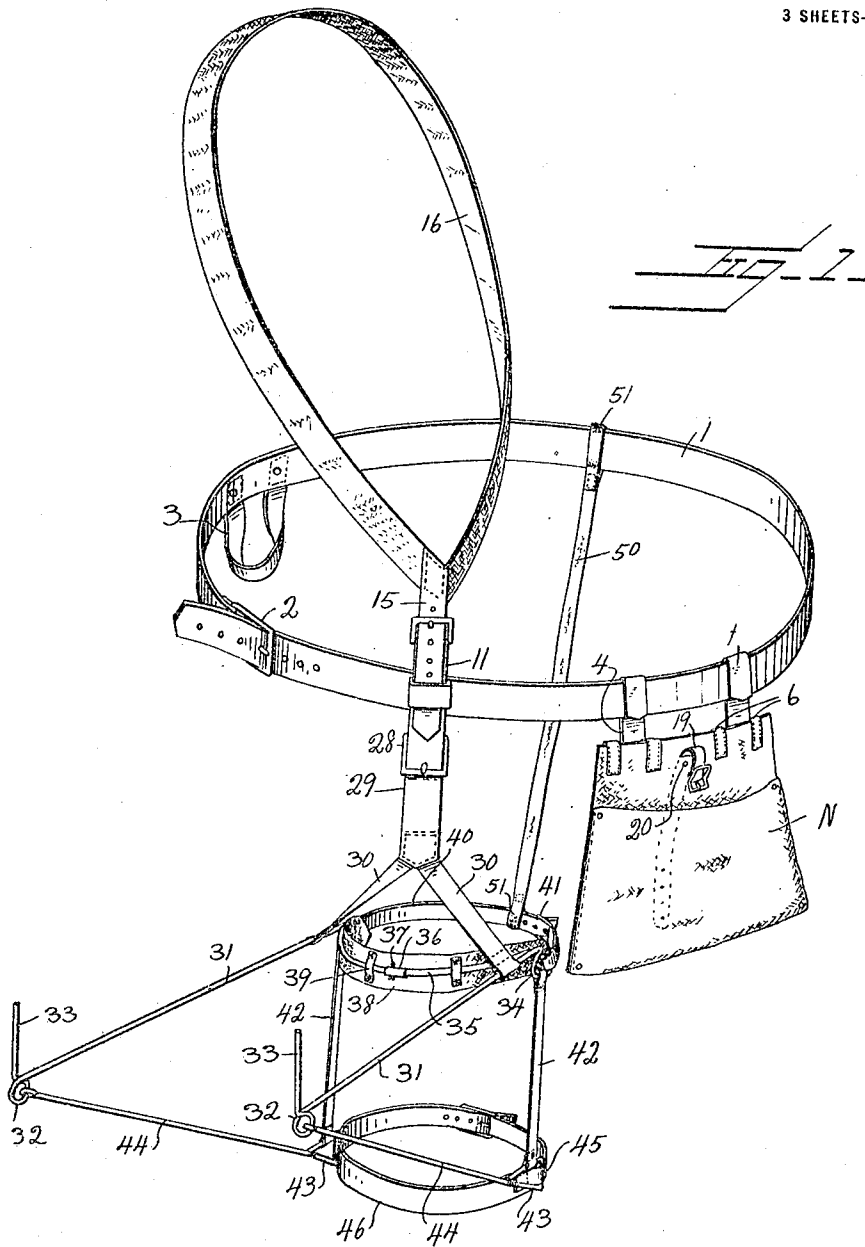


MECHANICAL OUTFIT FOR LATHERS AND CARPENTERS.
APPLICATION FILED SEPT. 28, 1918.

Patented Jan. 28, 1919.
3 SHEETS—SHEET 1.



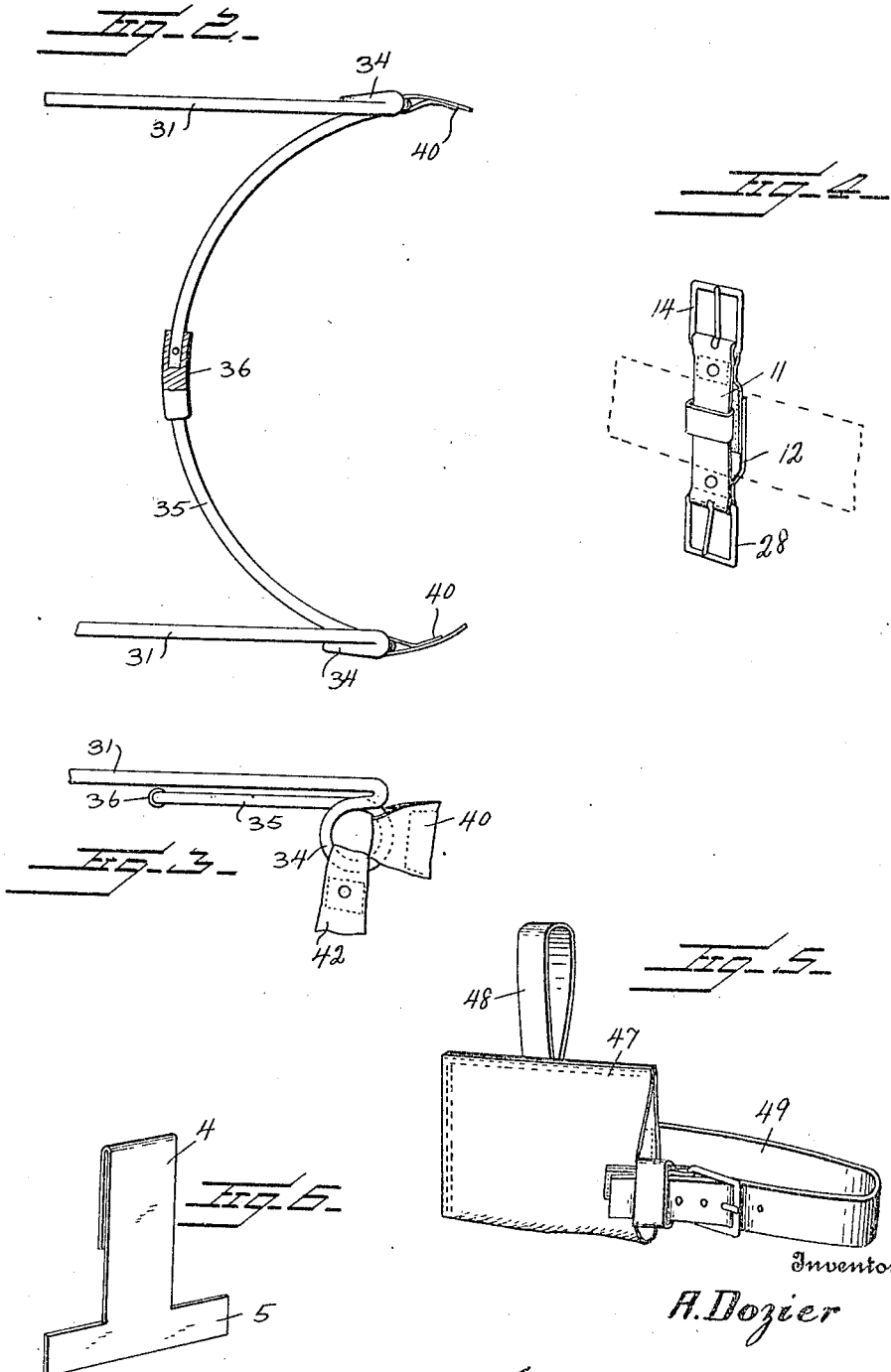
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Inventor

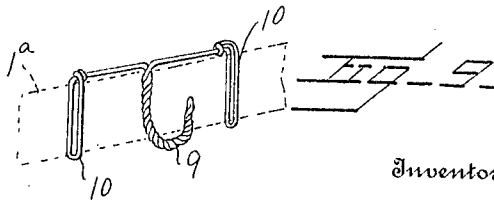
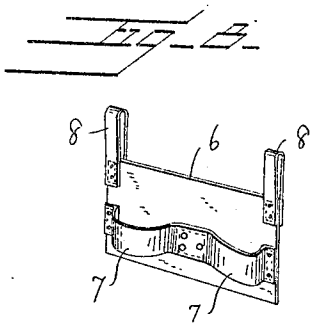
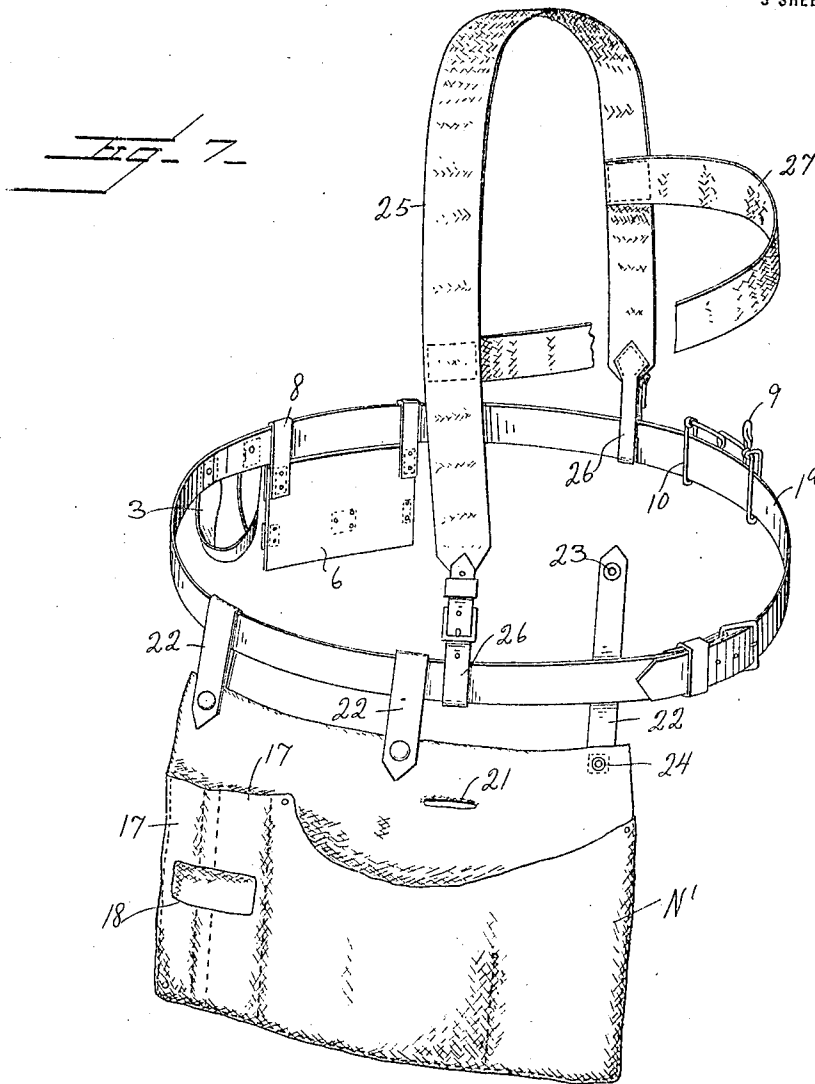
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UNITED STATES PATENT OFFICE.

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MECHANICAL OUTFIT FOR LATHERS AND CARPENTERS.

1,292,728.

Specification of Letters Patent.

Patented Jan. 28, 1919.

Application filed September 28, 1918, Serial No. 256,061.

To all whom it may concern:

Be it known that I, ALBERT DOZIER, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Mechanical Outfits for Lathers and Carpenters, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to certain improvements in mechanical outfits for lathers and carpenters, and it is an object of the invention to provide a novel and improved device of this general character embodying a body harness provided with means whereby various tools and the like may be readily supported thereby, and in a manner to facilitate a working operation.

It is also an object of the invention to provide a device of this general character having novel and improved means whereby laths or the like may be readily and conveniently supported thereby, and in a manner which offers no interference to the arms of the workman upon whom the device may be arranged. An additional object of the invention is to provide a novel and improved device of this general character including a body harness provided with a supporting rack together with supporting means coacting with the rack and a nether limb of the workman.

A still further object of the invention is to provide a novel and improved device of this general character which includes a body harness provided with means for supporting the various tools and other articles required by a lather or carpenter, and whereby the mechanic is enabled to work with materially increased speed, and which advantageous result is due to the fact that the various tools or other articles required by the mechanic are at all times within immediate access.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved outfit whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to de-

scribe the same with reference to the accompanying drawings, wherein:

Figure 1 is a view in perspective of an outfit constructed in accordance with an embodiment of my invention;

Fig. 2 is an enlarged fragmentary view partly in top plan and partly in section illustrating a portion of the lath rack;

Fig. 3 is a fragmentary view in side elevation of the structure disclosed in Fig. 2;

Fig. 4 is a view in perspective of the buckle from which the lath rack is suspended, the coacting waist encircling belt being indicated by dotted lines;

Fig. 5 is a view in perspective of the attachment adapted to be employed in connection with a lather's hatchet or similar tool;

Fig. 6 is a view in perspective of one of the supporting members adapted for use in connection with the nail pocket illustrated in Fig. 1;

Fig. 7 is a view in perspective of an outfit constructed in accordance with a further embodiment of my invention, the lath rack being omitted;

Fig. 8 is a view in perspective of an attachment adapted to support snips, pliers, or other relatively small tools; and

Fig. 9 is a view in perspective of an attachment adapted to support large hand saws, metal laths, or other articles.

In the form of my invention as particularly illustrated in Figs. 1 to 4 inclusive, 1 denotes a waist encircling belt of leather or other suitable material, and which has suitably secured to one end portion a buckle 2 of a conventional type, and which coacts with the opposite end portion of the belt 1 for maintaining the belt in proper position about the waist of a person. At a predetermined point inwardly of one end of the belt 1 is a flexible loop 3 through which the handle of a hammer or other tool may be directed and effectively and conveniently supported by the belt within easy reach of the workman.

N denotes a nail pouch having engaged with its upper marginal portion a pair of hook members 4 which are detachably engageable with the belt 1 so that the pocket N may be supported as desired by the belt 1. As is particularly illustrated in Fig. 6, the lower end portion of each of the hook members 4 is provided with a cross head 5 which are adapted to extend through the loop 6 or the like carried by the upper mar-

ginal portion of the pocket N and whereby said hook member 4 is effectively connected with such pocket.

In Fig. 8 I disclose an attachment which may be employed for supporting snips, pliers, a screw driver, or other kindred tools, and such attachment consists of a sheet 6 of leather or suitable material and which has secured to its outer face the loops 7 through which such tools are adapted to be inserted. The upper marginal portion of the sheet 6 adjacent the ends thereof is provided with the upstanding loops 8 through which the belt 1 is adapted to be threaded, and whereby said attachment is effectually supported by the belt 1 and which permits the attachment to be adjusted or moved lengthwise of the belt as the occasions of practice may require.

In Fig. 9 I disclose an attachment which may be employed to support a hand saw or the like, or from which metal laths may be suspended. As disclosed in this figure, the attachment comprises a central hook member 9 interposed between and operatively connected with the loops 10 through which the belt 1 is adapted to be threaded. The loops 10 permit this particular attachment also to be moved longitudinally of the belt 1 as the necessities of practice may require. Hand saws or the like may readily be suspended from the hook 9 as is also true of metal laths of the construction now generally employed. It is also to be noted that this attachment as illustrated in Fig. 9 is formed of a single length of wire of requisite gage, and wherein the hook 9 is formed by suitably twisting the intermediate or central portion of said strand so that the hook 9 will be of increased strength.

11 denotes a short strap provided at its central portion with a loop 12 through which the belt 1 is adapted to be threaded, and whereby the strap 11 is disposed transversely of the belt 1 and substantially at right angles thereto.

The upper end portion of the strap 11 is provided with a buckle 14 with which is detachably connected in a conventional manner a strap 15 depending from the lower end portion of a shoulder suspension loop 16. In practice the strap 11 is preferably positioned upon the belt 1 at a point whereby the shoulder suspension loop 16 may be disposed over the left shoulder of the mechanic and the loop 16 provides means whereby the load imposed upon the belt 1 is also supported from a shoulder, and which arrangement results in the outfit being employed with great convenience and comfort by a mechanic.

In the further embodiment of my invention illustrated in Fig. 7, the waist encircling belt 1^a is adapted to have engaged

therewith the various attachments hereinbefore referred to, and for which reason the various parts common to Figs. 1 and 7 are identified by the same reference characters.

In Fig. 7 a further form of nail pocket N' is disclosed and an end portion of said pocket is provided with supplemental pockets 17 which are adapted to receive rules, pencils or the like. Said pockets 17 intermediate their length have in communication therewith an opening 18 which is of particular importance to facilitate the removal of a stub pencil or other comparatively short article.

The pocket N is adapted to be closed by holding the same upwardly and the pocket is maintained in such folded relation through the medium of the strap 19 which is permanently attached intermediate its length to the upper marginal portion of the pocket N as indicated at 20.

If desired a similar strap may be employed in connection with the pocket N', and for which reason said pocket N' is provided adjacent its upper marginal portion with a slot or opening 21 through which the strap may be threaded.

The pocket N' is supported from the belt 1^a in a manner different from that disclosed in Fig. 1. The upper marginal portion of the pocket N' has secured thereto flexible straps 22 which are adapted to be disposed over the belt 1^a. The outer or free extremity of each of the straps 22 is provided with a snap socket 23 adapted to be engaged with a head 24 secured to the upper marginal portion of the pocket N'.

Also coacting with the belt 1^a is a shoulder suspension strap 25 provided at its opposite ends with the straps 26 adapted to be looped around the belt 1^a. The strap 25 is adapted to be disposed over the shoulder of the workman and secured to said strap (inwardly of its ends) are the opposite end portions of a strap 27 which, when the outfit is applied to the body of the person extends around the side of the body of the person remote from the shoulder over which the strap 25 is disposed.

The lower end portion of the strap 11 is provided with a buckle 28 and detachably engaged therewith is an end portion of a strap 29.

The opposite end portion of the strap 29 is provided with branches 30 which are secured to the inner end portions of the outwardly and substantially horizontally disposed rods 31.

Each of the rods 31 adjacent its outer end is coiled to afford an eye 32 and continued to provide the upstanding extension 33. The inner end portion of each of the rods 31 is also coiled to afford an eye 34 and is continued inwardly to afford an extension 35.

sion 35 arranged on a predetermined curvature.

The free end portion of one of the extensions 35 is provided with a socket 36 in which extends the free end portion of the second extension 35. 37 denotes a pin disposed through the socket 36 and the end portion of the extension 35 seated within the said socket whereby both of the extensions 35 may be locked in assembled relation.

The extensions 35 when coupled or connected are adapted to bear against a nether limb of the mechanic to afford further support for the rods 31, and in order to prevent the extensions 35 injuring the person as a result of the weight imposed upon the rods 31 by wooden laths or the like which may be rested thereon, I employ a pad 38 provided on its outer face with the loops 39 through which the extensions 35 are disposed.

Also engaged with the eyes 34 are the straps 40 which are adapted to be disposed rearwardly of the nether limb or leg and the free extremities of said straps 40 are adapted to be properly connected as indicated at 41 in any desired manner. The straps 40 serve to properly clamp the extensions 35 upon the leg of the mechanic.

Secured to the eyes 34 are the depending straps 42, and said straps at their lower ends are secured to the eyes 43 of the inner ends of the brace rods 44. The opposite or upper ends of the rods 44 are engaged with the eyes 32 of the rods 31. Suitably secured as at 45 to the eyes 43 is a limb embracing strap 46 which serves to anchor the lower end portions of the rods 44 to the leg of the workman so that the outer end portions of the rods 31 are effectively braced or supported to permit a load, such as wooden laths, to be rested thereon. In Fig. 5 I disclose an attachment which is adapted for use in connection with a hatchet or the like, and said attachment comprises a casing 47 of leather or similar material having one end open so that the blade of a hatchet or the like may be inserted therein. The upper marginal portion of the casing 47 is provided with an upstanding loop 48 through which the belt 1 or 1^a may be threaded. The open end of the casing 47 is also provided with the outstanding adjustable loop 49 through which the handle of the hatchet extends and whereby this type of tool is effectively and conveniently supported.

It is also to be understood that if desired the lath rack as particularly illustrated in Fig. 1 may be employed with equal facility in connection with the strap 1^a.

I also find it of advantage to provide additional means for supporting the lath rack which consists of a strap 50 provided

at its opposite ends with the loops 51. The belt 1 or 1^a is threaded through one of the loops 51 while threaded through the second of said loops is a strap 40. In use it is preferred that the strap 50 be positioned substantially along the rear portion of the leg or limb to which the lath rack is attached.

From the foregoing description, it is thought to be obvious that an outfit constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that my invention is susceptible of some change and modification without departing from the principles and spirit thereof, and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:

1. A lath rack comprising a pair of rods upon which the laths are adapted to rest, a supporting means engaged with the rods, and limb engaging means carried by the inner end portions of the rods, a limb embracing member, brace rods interposed between said limb embracing member and the outer end portions of the rods.

2. A lath rack comprising a pair of rods upon which the laths are adapted to rest, a supporting means engaged with the rods, and limb engaging means carried by the inner end portions of the rods, a limb embracing member, brace rods interposed between said limb embracing member and the outer end portions of the rods, and a connection between the limb embracing member and the inner end portions of the rods.

3. A lath rack comprising a pair of rods having their inner end portions provided with inwardly directed extensions adapted to coact with a leg, means for coupling said extensions, a supporting means coacting with the rods, and leg engaging means carried by the inner end portions of the rods.

4. A lath rack comprising, in combination, a pair of rods upon which the laths are adapted to rest, a body harness engaged with the inner end portions of the rods, limb engaging means carried by the inner end portions of the rods, and additional limb engaging means for supporting the outer end portions of the rods.

5. A device of the character described comprising, in combination, a waist encircling member, a pair of rods on which the laths are adapted to rest, supporting means for the inner end portions of the rods carried by the waist encircling member, and limb engaging means coacting with the opposite end portions of the rods.

6. A device of the character described comprising, in combination, a waist encircling member, a pair of rods upon which laths are adapted to rest, means carried by the limb encircling member for supporting
5 the inner end portions of the rods, limb encircling means carried by the inner end portions of the rods, and a connection between

the limb engaging means and the waist encircling member.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

ALBERT DOZIER.

Witnesses:

M. ANDERSON,
P. T. DAY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."