J. F. MAGALSKI.

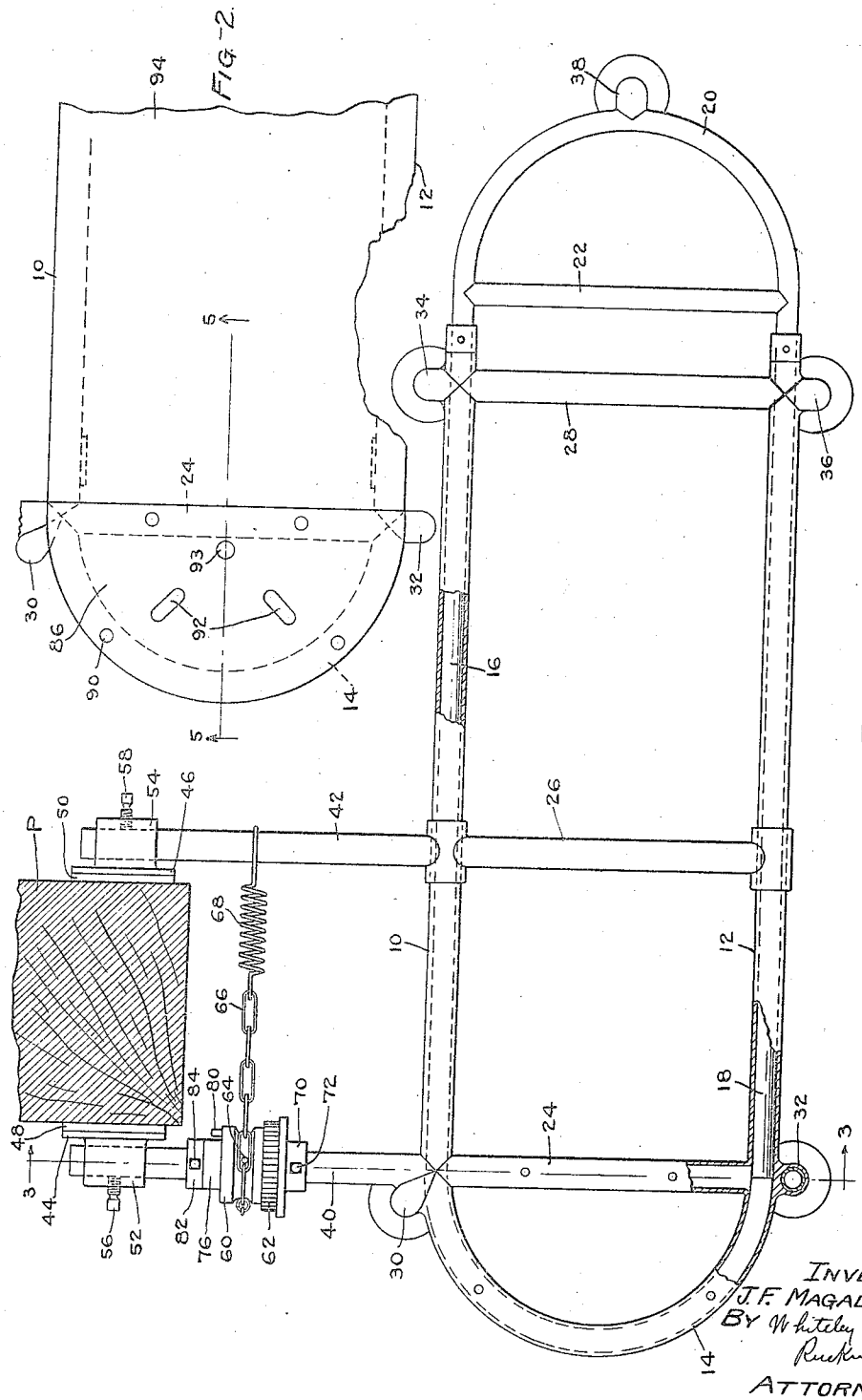
WORKBENCH.

APPLICATION FILED APR. 27, 1921.

1,426,660.

Patented Aug. 22, 1922.

2 SHEETS—SHEET 1.



J. F. MAGALSKI.

WORKBENCH.

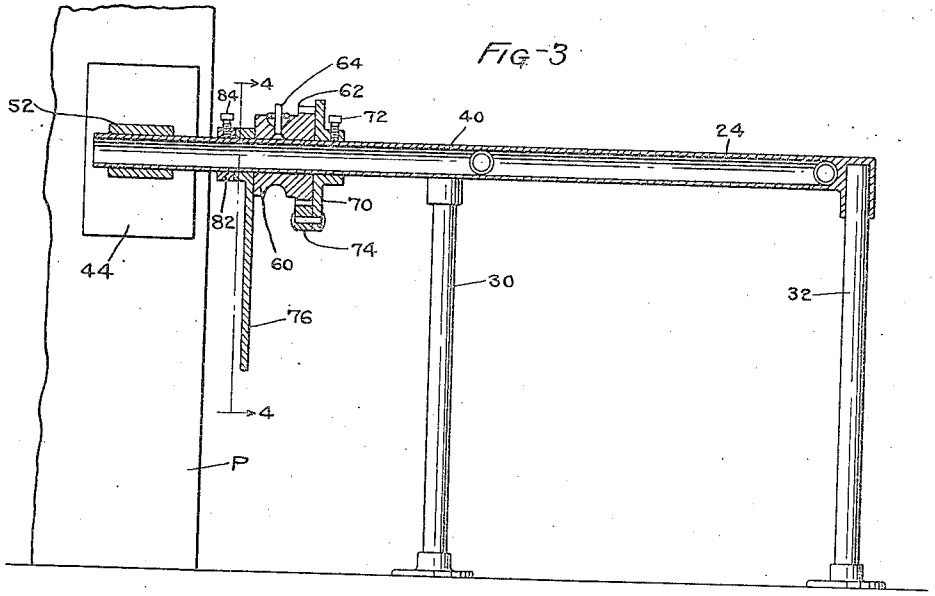
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2 SHEETS—SHEET 2.

FIG-3



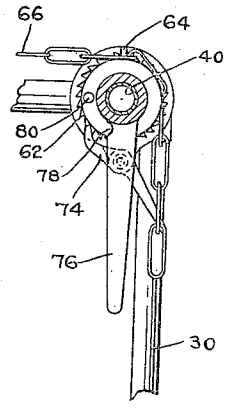


FIG-4

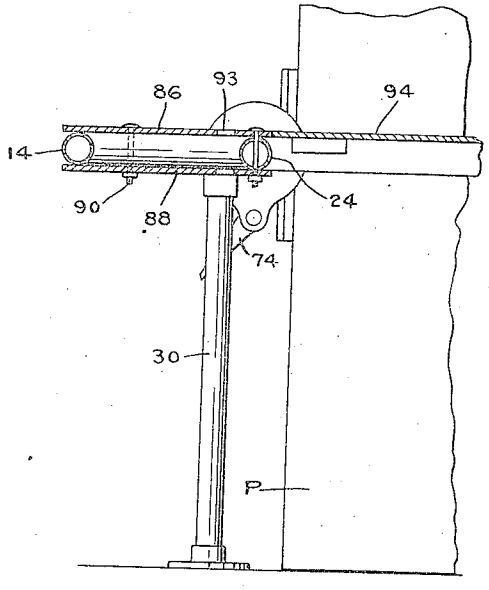


FIG-5

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UNITED STATES PATENT OFFICE.

JOHN F. MAGALSKI, OF MINNEAPOLIS, MINNESOTA, ASSIGNOR OF ONE-HALF TO ALBERT J. SCHMITT, OF MINNEAPOLIS, MINNESOTA.

WORKBENCH.

1,426,660. Specification of Letters Patent. Patented Aug. 22, 1922.

Application filed April 27, 1921. Serial No. 464,909.

To all whom it may concern:

Be it known that I, JOHN F. MAGALSKI, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Workbenches, of which the following is a specification.

My invention relates to work benches, and an object is to provide a bench which may be readily placed in such condition that it can be easily transported from place to place as desired and which can be quickly set up and securely fixed in place wherever it is to be used for working purposes.

The full objects and advantages of my invention will appear in connection with the detailed description, and the novel features embodied in my inventive idea will be particularly pointed out in the claims.

In the accompanying drawings which illustrate the application of my invention in one form,—

Fig. 1 is a top plan view with small portions shown in section. Fig. 2 is a fragmentary top plan view showing the bench provided with means for attachment of a vise. Fig. 3 is a view in section on the line 3—3 of Fig. 1. Fig. 4 is a view in section on the line 4—4 of Fig. 3. Fig. 5 is a view in section on the line 5—5 of Fig. 2.

Referring to the particular construction shown in the drawings, I provide a skeleton frame which embodies a piece of tubing having two parallel arms 10 and 12 joined by a curved end portion 14. I also provide a rod which is bent to form parallel arms 16 and 18 adapted to telescope with the arms 10 and 12, the arms 16 and 18 being joined by a curved end portion 20 and an intermediate cross bar 22. The arms 10 and 12 are joined to cross members 24, 26 and 28 and the frame thus formed is adapted to be supported by detachable legs 30, 32, 34 and 36 fitting into sockets on the lower side of the frame as best shown in Fig. 3. A similar leg 38 is provided for detachable connection to the curved portion 20. The two arms 40 and 42 extend laterally outward from the arms 10 and these arms as shown may be continuations of the cross members 24 and 26. These arms, while not of any great length, are of sufficient length so as to have a considerable degree of flexibility at their outer ends. The outer portions of these arms 40 and 42 are provided with inwardly facing clamping plates 44 and 46 which may be faced with pieces of non-slipping material 48 and 50, such as rubber, for firmly clamping upon a suitable post P. The plates 44 and 46 are provided with hollow stems 52 and 54 fitting over the arms 40 and 42 and secured thereto by set screws 56 and 58. In order to cause the clamping plates to clamp the post when the bench is set up, the following device is provided. A roller 60 and ratchet wheel 62 are mounted together for rotation in unison on the arm 40 being preferably integral with each other. The roller 60 has a groove which is provided with an outstanding pin 64 adapted to be engaged in one of the links of a chain 66 connected by a coiled spring 68 with the other arm 42. A collar 70 is secured by a set screw 72 to the arm 40 and to the lower side of this collar is pivoted a weighted dog 74 adapted to engage the teeth of the ratchet wheel. A handle 76 is rotatably mounted on the arm 40 and is provided with a depression 78 adapted to engage a pin 80 extending out from the side of the roller 60. The handle is held up to the roller by a collar 82 secured to the arm 40 by a set screw 84. The forward portion of the bench is provided with a pair of sheet steel plates 86 and 88 secured to the upper and lower surfaces of the bench frame by bolts 90. These plates are provided with slots 92 and a hole 93 by means of which a vise may be secured. The portion of the bench not provided with the plates 86 and 88 may be completed by placing a sheet metal piece or board 94 upon the frame.

The operation and advantages of my invention will be obvious from the foregoing description. When it is desired to move the bench from place to place, the arms 16 and 18 may be slid into the arms 10 and 12 as shown in Fig. 1, and the legs may be readily detached from the sockets in which their upper ends are placed. When the bench is to be used, the legs may be quickly attached and the device is placed adjacent any suitable post so that the clamping plates are located on opposite sides thereof. The chain is engaged with the pin 64 and upon turning the handle 76 for rotating the roller and ratchet wheel in the proper direction the bench will be firmly anchored in place on account of the engagement of the weighted

dog with the ratchet wheel. Upon lifting the rear end of the dog, the clamp is released and the bench may then be taken down. The arms 16 and 18 may be partly or nearly withdrawn in order to increase the length of the bench to the desired extent.

I claim:

1. A portable workbench comprising two longitudinal parallel pipe members, transverse members joining said pipe members, two longitudinal parallel members adapted to fit telescopically in said pipe members whereby the length of the bench may be varied, and detachable legs for supporting said longitudinal members.

2. A portable workbench comprising a frame, detachable legs for supporting said frame, two flexible arms extending laterally from said frame, clamping plates secured to the outer ends of said arms, and means for stressing said flexible arms toward each other whereby said clamping plates may be caused to clamp on a fixed object.

3. A portable workbench comprising a frame, detachable legs for supporting said frame, two flexible arms extending laterally from said frame, clamping plates secured to the outer ends of said arms, a flexible connection secured to one of said arms, a roller and a ratchet wheel mounted for rotation in unison upon the other of said arms, means for attaching said connection to said roller, a handle for rotating said roller for stressing said flexible arms toward each other whereby said clamping plates may be caused to clamp upon a fixed object, and a dog engageable with said ratchet wheel for preventing reverse rotation of said roller.

In testimony whereof I hereunto affix my signature.

JOHN F. MAGALSKI.