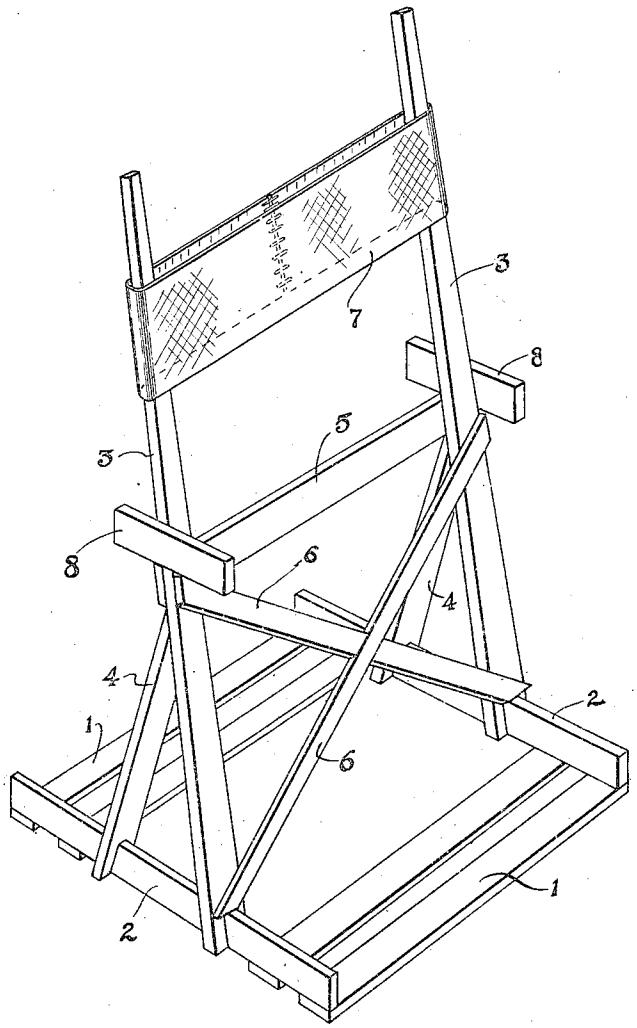
Feb. 26, 1924. 1,484,981

D. C. BRENINGER

SUPPORT

Filed June 24, 1921



Inventor

Dayton C. Breninger

By Frease, Merkel, Seyfullah & Bond

Attorneys

Patented Feb. 26, 1924. 1,484,981

UNITED STATES PATENT OFFICE.

DAYTON C. BRENINGER, OF MASSILLON, OHIO.

SUPPORT.

Application filed June 24, 1921. Serial No. 480,076.

To all whom it may concern:

Be it known that I, DAYTON C. BRENINGER, a citizen of the United States, residing at Massillon, in the county of Stark and State of Ohio, have invented a new and useful Support, of which the following is a specification.

This invention relates to supports and more particularly to a device especially adapted for the use of standing workers, such as bookkeepers, bank clerks and the like, whose duties require that they work in a standing position at a high desk or counter, and the objects of the invention are to provide a device which will support the body in an upright position, receiving a considerable portion of the weight of the worker's body, while at the same time allowing the free and easy movement of the upper body and arms which is necessary.

The above and other objects may be attained by providing a support carrying a cushion at a suitable height to allow the standing worker to lean forwardly against the cushion, the upper portion of the limbs between the thigh and knee being received against the cushion, or the device may be so constructed that the cushion is located at a suitable height to allow the worker to lean backwardly, resting the lower portion of the back against the cushion.

With these objects in view, the invention consists in the construction and arrangement of parts, hereinafter described and illustrated in the accompanying drawings, it being understood that various changes in the form and details of construction may be made within the scope of the appended claims.

The invention thus set forth in general terms is illustrated in the accompanying drawing, in which the figure shows a perspective view of a support embodying the invention.

Similar numerals of reference indicate corresponding parts throughout the drawing.

The support shown in the drawing is portable and capable of being easily moved to any desired position in the same manner as the ordinary chair and comprises a rectangular frame designed to rest upon the floor including the cross bars 1, which are connected at their ends by the bars 2, preferably set edgewise as shown.

The uprights 3 are connected at their lower ends to the bars 2 and are preferably slightly forwardly inclined, brace rods 4 being also mounted upon the bars 2 and connected to the forward sides of the uprights, midway between their extremities. The uprights are preferably connected together intermediate their extremities by a cross piece 5 located above the brace rods 4, and to further brace the structure, the inclined cross rods 6 are provided, each rod being connected at one end to the lower portion of one upright and at the other end to the central portion of the other upright.

If desired, the uprights 3 may be of suitable height to allow the user of the device to rest his hands upon the upper ends thereof. A cushion, preferably in the form of a belt 7, is carried by the uprights 3 and is preferably adjustably mounted thereon in order that it may be moved downwardly upon the uprights to a point where it will engage the limbs of the user above the knees, or it may be moved to the upper portion of the uprights to engage the lower part of the back of the user.

While it is preferable to provide for this adjustment of the cushion in order that the user may lean either forwardly or backwardly against the same, the device may, of course, be provided with uprights of only sufficient height to provide for accommodating the user when leaning forward against the cushion, or may be provided with a cushion located at a suitable height to receive the lower portion of the back of the user when leaning backwardly against the cushion, the cushion in either case being permanently mounted upon the uprights instead of allowing for an adjustment thereon. However, it will be seen that by adjustably mounting the cushion upon the uprights, one support may be quickly and easily adjusted for use in either position and also the cushion may be adjusted for persons of different heights.

Foot rests 8 may be mounted upon the uprights at a suitable height to allow the user to rest either foot thereon if desired. When using one of the foot rests, the user may turn the body slightly sideways, resting the side of the limb or thigh against the cushion and placing the opposite foot upon the foot rest. It will be seen that at times, changing the position in this manner will rest the body.

When using the support in the forward

position, tne user stands upon one of the cross bars 1, the heels preferably resting thereon, and leans forwardly into the cushion 7, which has been properly adjusted, resting the full weight of the body upon the cushion which engages the limbs at a point between the knees and thighs.

When using the support in the other position, the worker stands within the rectangular frame with his back to the cushion, the cushion being adjusted to allow the worker to rest the lower portion of his back against the same, the balls of the feet preferably resting upon the adjacent cross bar 1.

While the drawing discloses a portable support, it should be understood that the invention broadly consists in providing a cushion spaced from the floor at a suitab.e height to allow the user to lean forwardly or backwardly against the cushion in the manner above described, and it will be seen that the cushion may thus be supported in numerous ways in a position to be used by a standing worker.

Although the drawings and above specification disclose the best mode in which I have contemplated embodying my invention, I desire to be not limited to the details of such disclosure, for, in the further practical application of my invention, many changes in form and construction may be made, as circumstances require or experience suggests, without departing from the spirit of the invention, within the scope of the appended claims.

I claim:—

1. A device of the character described arranged to be temporarily fixed and including spaced uprights, and a cushion comprising an endless belt slidably mounted upon said uprights in a position to permit a person standing erect to lean against said belt, the belt being tightly stretched between the uprights.

2. A device of the character described arranged to be temporarily fixed and including a pair of spaced, slightly forwardly inclined uprights and a cushion carried by the uprights in a position to permit a person standing erect to lean against the cushion, the cushion being in the form of an endless belt tightly stretched between the uprights.

3. A device of the character described arranged to be temporarily fixed and including a pair of spaced uprights and a cushion comprising an endless belt tightly stretched between the uprights and vertically adjustable thereon to permit a person standing erect to lean different portions of the body against the belt.

4. A device of the character described, comprising a horizontally disposed frame arranged to be placed upon a floor, uprights carried by said frame and a belt carried by said uprights in a position to be engaged by a portion of the body of a person standing erect upon the horizontal frame, and foot rests mounted upon the uprights at a point spaced above the horizontal frame.

5. A device of the character described including a horizontal frame arranged to be placed upon a floor, an upright support carried by the frame and a cushion carried by the support in a position to permit a person standing upon the frame to lean against said cushion.

6. A device of the character described including a horizontal frame arranged to be placed upon a floor, spaced uprights upon the frame and a cushion comprising a belt carried by the uprights in a position to permit a person standing upon the frame to lean against said belt.

7. A device of the character described comprising a horizontal frame arranged to be placed upon a floor, a pair of spaced, slightly inclined uprights mounted upon the frame and a cushion comprising a belt carried by said uprights in a position to permit a person standing upon the frame to lean against said belt.

8. A device of the character described including a horizontal frame arranged to be placed upon a floor, a pair of spaced uprights upon the frame and a belt vertically adjustable upon said uprights and arranged to be moved thereon to permit a person standing upon the frame to lean different portions of the body against the belt.

9. A device of the character described including a pair of spaced uprights and a cushion comprising an endless belt vertically adjustable upon said uprights and arranged to be moved thereon to permit a person standing to lean different portions of the body against the cushion, said belt being tightly stretched between the uprights.

In testimony that I claim the above, I have hereunto subscribed my name.

DAYTON C. BRENINGER.