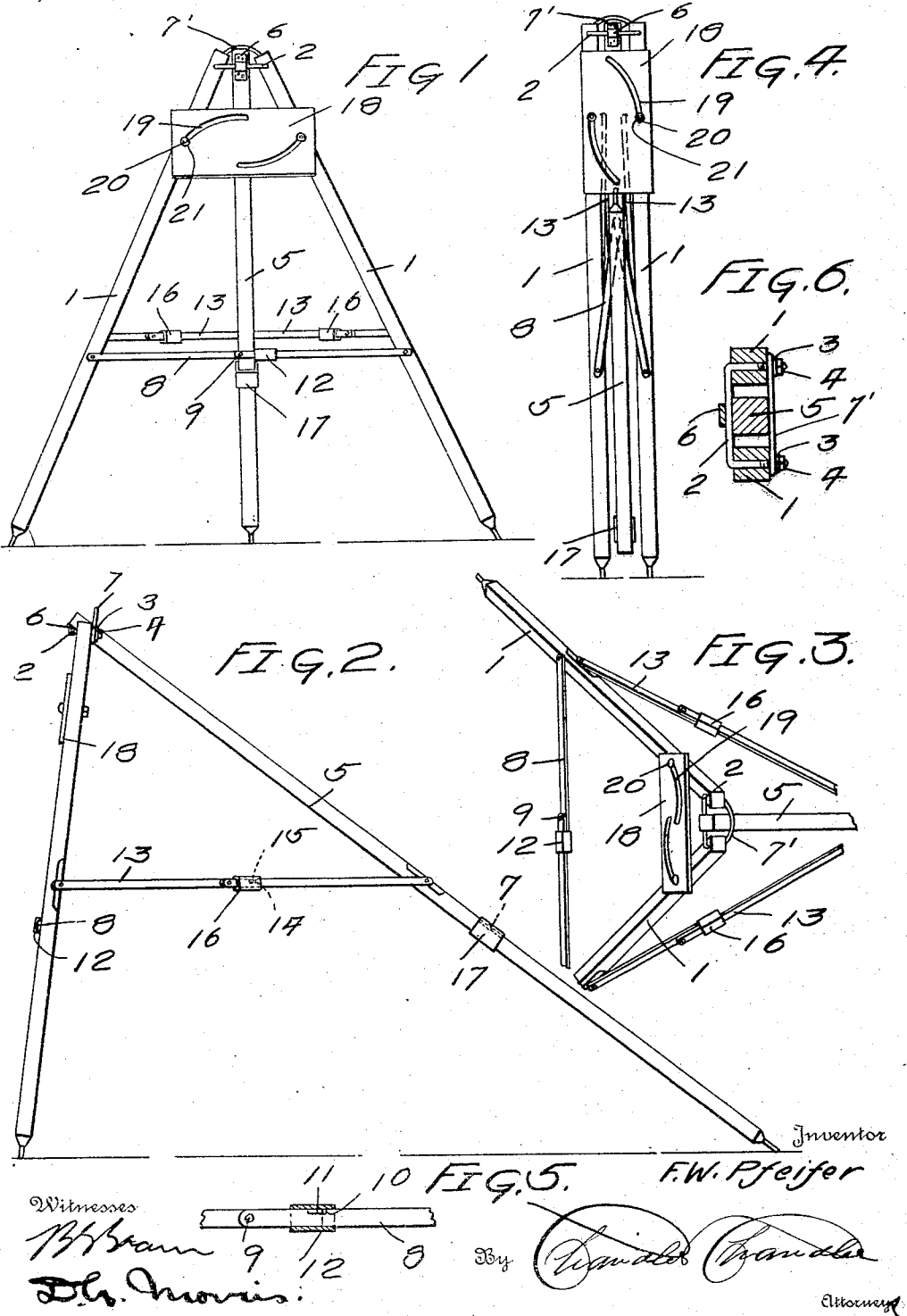


F. W. PFEIFER.
FOLDING HOOD STAND.
APPLICATION FILED MAY 26, 1915.

1,213,409.

Patented Jan. 23, 1917.



UNITED STATES PATENT OFFICE.

FREDERICK W. PFEIFER, OF ST. LOUIS, MISSOURI.

FOLDING HOD-STAND.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FREDERICK W. PFEIFER, a citizen of the United States, residing at St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Folding Hod-Stands; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a folding hod stand.

An object of the invention resides in the provision of a device for supporting a hod when material is being placed thereinto.

A further object of the invention resides in so constructing the device that it may be readily folded so that it may be conveniently transported.

With these and other objects in view such as will appear as my description progresses, my invention comprises the combinations and arrangements of parts as set forth in and falling within the scope of the appended claims.

In the drawings: Figure 1 is a front elevation of a device constructed in accordance with my invention, the parts being shown in their operative positions. Fig. 2 is a side elevation thereof. Fig. 3 is a top plan view. Fig. 4 is a front elevation of the device in its folded state. Fig. 5 is a fragmental detail of the braces showing the means for securing the two parts together. Fig. 6 is a fragmental detail showing the manner of securing the upper ends of the uprights together.

Referring now to the drawings, more particularly, wherein like parts are indicated by like characters throughout the several views: In the particular embodiment disclosed I have provided a pair of uprights 1 which are pivotally secured together at their upper ends by a clevis 2 on the ends of which are suitable washers 3 and nuts 4.

Pivotally mounted on the clevis 2 between the upper ends of the uprights 1 is a brace 5. A plate 6 is provided for pivoting the brace 5 to the clevis 2 and is secured to the upper end of the said brace. This plate is provided with a transversely extending semi-cylindrical housing for the accommodation of the clevis. The lower ends of the uprights 1 and the brace 5 are provided with spurs so that they will readily pene-

trate the ground and maintain the said uprights and brace in operative positions. The brace 5 is formed in two sections which are hinged together by a suitable hinge 7. This is because of the fact that the brace must necessarily be longer than the uprights in order that they may be supported in a vertical plane and when the device is folded it is desirable to have the ends of the uprights and brace in substantial alinement.

Pivotally secured to the forward faces of the uprights 1 is a brace rod 8 which is formed in two sections pivoted together at 9. One of these sections is provided with a notch 10 and the end of the other extends beyond the pivot 9 and is provided with a finger 11 which finger is adapted, when the sections of the brace rod are in alinement to seat in the notch 10. In order that the sections of the brace rod 8 may be prevented from accidental pivotal movement I have provided a sleeve 12 which is slidably mounted on the said brace rod and is adapted to be moved so as to embrace the extended end of the aforementioned section.

Pivotally secured to each of the uprights 1 is a brace rod 13. Each of these brace rods 13 is formed in two sections pivoted together and having one section pivoted to the brace 5. Each of these rods is provided with a notch 14 in one of the sections and a finger 15 on the other section which finger is adapted to seat in the said notch. The sections of each of these brace rods 13 are held in alinement by a sleeve 16 similar to the sleeve 12 described in connection with the brace rod 8. It will thus be seen that when the lower ends of the uprights and the brace 5 are spaced apart and the brace rods 8 and 13 straightened that they will be secured in their operative position. The sections of the brace 5 are prevented from collapsing about their hinge 7 as a pivot by a sleeve 17.

Secured to the ends of the clevis 2 is a rod 7' which is bowed upwardly to allow the brace 5 to swing.

In order that the hod may be supported on the uprights 1 I have provided a rectangular plate 18 in which a pair of oppositely curved arcuate slots 19 are formed. Extending through these slots and secured to the uprights 1 are pins 20 which have rollers 21 thereon so that they will ride easily in the slots. The width of this plate 18 is such that when the device is folded the

edges will aline with the edges of the up-
rights as illustrated in Fig. 4 of the draw-
ing.

When the device is in use the parts will be
5 in the positions shown in Figs. 1, 2 and 3
of the drawings. When the parts are in
their folded positions the brace 5 will lie be-
tween the uprights 1 and the spur on the
end of the said brace will engage beneath
10 the lower edge of the plate 18 and thus pre-
vent the accidental dropping of the lower
section of the said brace 5.

From the foregoing description it will be
seen that I have provided a device for sup-
15 porting a hod which is so constructed that
it may be readily folded and carried from
place to place. Furthermore, the device is
provided with such parts that after having
been set up into operative position it will be
20 prevented from accidental folding during
its use.

While I have illustrated and described a
particular embodiment of my invention it
has merely been for the sake of convenience
25 and I therefore do not wish to be limited to
that particular embodiment inasmuch as it
is obvious that numerous changes may be
made in the details of construction of my
device without departing from the spirit of
30 the invention or without exceeding the scope
of the claims.

What I claim is:—

1. In a folding hod stand the combina-
tion with a plurality of uprights and a brace
35 pivoted together at their upper ends; of a
plate mounted on the said uprights adja-
cent their upper ends, and said plates being
arranged to assume horizontal position when
the lower ends of said uprights are spread
40 and to assume vertical position when the
lower ends of said uprights are moved to-
gether.

2. In an adjustable hod stand the combi-
nation with a pair of uprights pivoted to-
45 gether at their upper ends; of means for
supporting the said uprights in a vertical
plane and a plate mounted on the said up-
rights, and said plates being arranged to as-
sume horizontal position when the lower
50 ends of said uprights are spread and to as-
sume vertical position when the lower ends
of said uprights are moved together.

3. In a folding hod stand the combina-
tion with a pair of uprights pivoted together
at their upper ends; of a plate pivotally and 55
slidably mounted upon said uprights and
means for supporting the said uprights, and
said plates being arranged to assume hori-
zontal position when the lower ends of said
uprights are spread and to assume vertical 60
position when the lower ends of said up-
rights are moved together.

4. In a folding hod stand the combination
with a pair of uprights hinged together at
their upper ends; of a brace hingedly asso- 65
ciated with the upper ends of the uprights
and formed in two sections hinged together,
means for maintaining said sections in aline-
ment and a plate mounted on the said up-
rights, and said plates being arranged to as- 70
sume horizontal position when the lower
ends of said uprights are spread and to as-
sume vertical position when the lower ends
of said uprights are moved together.

5. In a folding hod stand the combina- 75
tion with a pair of uprights and a brace
hinged together at their upper ends; of
means for supporting the said uprights and
brace in predetermined positions and a plate
mounted on the said uprights, and said 80
plates being arranged to assume horizontal
position when the lower ends of said up-
rights are spread and to assume vertical
position when the lower ends of said uprights
are moved together. 85

6. In a folding hod stand, a pair of up-
rights pivoted together at their upper ends,
pins projecting from said uprights below
their upper ends, a plate mounted on said
uprights and provided with a pair of oppo- 90
sately curved slots in which the pivot pins
are engaged, the proximal ends of said slots
being arranged at the same distance as the
distance between the pins when the uprights
are closed and the remote ends of said slots 95
being arranged at a distance equal to the dis-
tance between said pins when the uprights
are opened.

In testimony whereof, I affix my signa-
ture, in the presence of two witnesses.

FREDERICK W. PFEIFER.

Witnesses:

AUGUST W. AXTHELM,
JNO. F. STARK.

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