

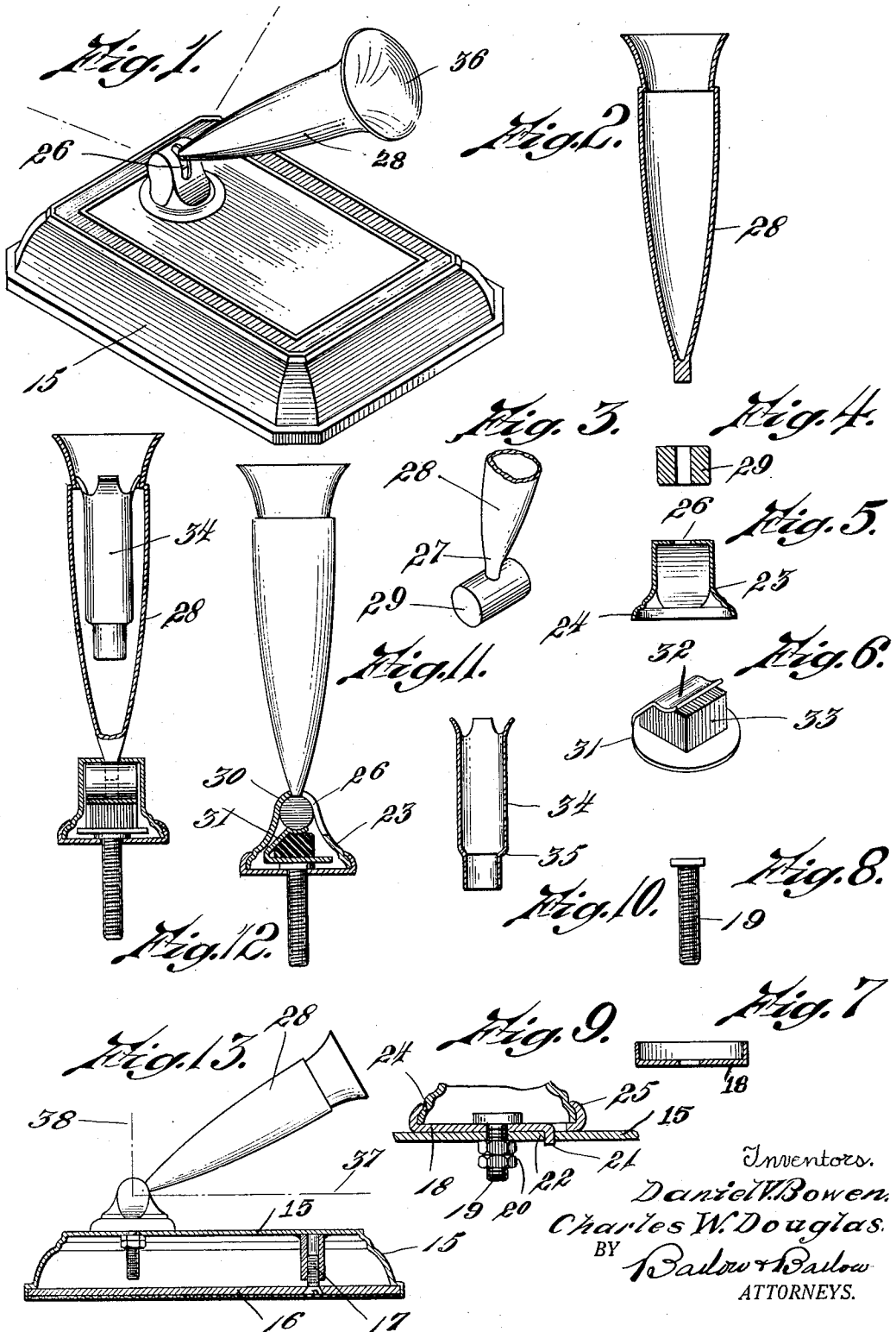
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DESK STAND

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DESK STAND

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13 Claims. (Cl. 120—108)

This invention relates to a desk stand for writ-
ing instruments; and has for its object to pro-
vide a sleeve for receiving a writing instrument,
which sleeve is mounted to assume any one of
5 a variety of positions which may be convenient
to the user.

A further object of the invention is to provide
a sleeve for housing a writing instrument which
shall be hingedly mounted to swing in a vertical
10 plane which mounting may swivel on the base
member.

A still further object of the invention is the
provision of frictional pressure on the bearing
for hingedly mounting the sleeve to retain it in
15 any one of a variety of positions against the force
of gravity exerted upon the sleeve and on the
writing instrument when positioned therein.

With these and other objects in view, the in-
vention consists of certain novel features of
20 construction, as will be more fully described, and
particularly pointed out in the appended claims.

In the accompanying drawing:

Figure 1 is a perspective view of the base and
sleeve for receiving a writing instrument.

25 Figure 2 is a central sectional view of the
sleeve.

Figure 3 is a detail fragmental perspective view
showing the trunnion on the end of the sleeve.

30 Figure 4 is a central sectional view of the
trunnion shown in Figure 3 before it is positioned
on the end of the sleeve.

Figure 5 is a sectional view of the shell member
which provides a bearing for hingedly mounting
the trunnion.

35 Figure 6 is a perspective view of the clip with
a resilient member mounted therein for forcing
the trunnion against the top of the shell for fric-
tional bearing engagement therewith.

40 Figure 7 is a sectional view of the cup in which
the shell is swivelly mounted.

Figure 8 is an elevation of the bolt for securing
the cup in position on the base.

Figure 9 is a sectional detail of the shell and
cup secured in position on the base by the bolt.

45 Figure 10 is a sectional view of the bushing
which is held in the sleeve.

Figure 11 is an elevation of the sleeve showing
the mounting for the base assembled and in
section.

50 Figure 12 is a sectional view with the mounting
for the sleeve at right angles to the position
illustrated in Figure 11.

55 Figure 13 is a side view of the device with the
base in section showing the swivel mounting as
secured thereto.

It is found convenient in desk stands to pro-
vide a sleeve for receiving the writing instrument
which is so mounted that it may assume a variety
of different positions, such as horizontal, to be out
60 of the way when not in use, or a position raised
at an angle and swung to assume the desired di-
rection relative to the base for convenience of the
user of the instrument; and in order to provide
such a construction, we have mounted this sleeve
65 in such a manner that it may be swung in a vertical
plane from a position parallel to the base to a
position perpendicular thereto which mounting
is swivelly secured to the base to assume a variety
of different angles relative to the base regardless
70 of the different positions of elevation in a ver-
tical plane, which the sleeve may assume; and
the following is a detailed description of the
present embodiment of this invention illustrating
one means by which these advantageous results
75 may be accomplished:

With reference to the drawing, 15 designates
the upper portion of the base which may be
drawn from sheet metal and is provided with a
bottom weight 16 removably secured as at 17
80 thereto, in any suitable manner. Upon the por-
tion 15 a cup 18 is secured by means of a bolt 19
and nuts 20. This cup 18 has a bearing plate
engaging the base, this plate having a finger 21
which extends through an opening 22 in the base
85 15 to prevent a relative rotation of this cup there-
on. A shell 23 having a flared edge portion 24
is received by the cup 18 and its edge 25 is loosely
rolled over portions of the flared edge of the shell
to prevent separation of the shell and cup but
90 permit a relative rotation or swivel movement of
these parts for the purpose hereinafter explained.

The shell is slotted as at 26 and receives a nar-
row neck portion 27 of a sleeve 28 therethrough,
which neck portion 27 has mounted thereon a
head or trunnion member 29 of a size to substan-
95 tially fit and have a hinge bearing in the con-
caved portion 30 of the shell. The head or trun-
nion may extend laterally from one side, or from
both sides, to form a single trunnion or a T-
headed trunnion, as desired. A clip 31 having a
100 concaved portion 32 completes the hinge bearing
for the trunnion and is forced into frictional en-
gagement therewith by means of a resilient mem-
ber 33, which may be soft rubber or the like.
This clip is preferably in the form of a strip of
105 sheet metal folded upon itself, and the resilient
member 33 is placed between the upper and lower
leaves of the fold thus formed.

A bushing 34 is positioned within the sleeve 28
and is tapered as at 35 to receive and fit varving 110

sizes of writing instruments such as fountain pens to form an effective seal and prevent evaporation of ink therefrom. The outer end of the sleeve 28 is bell-shaped as at 36 for convenience in positioning the point of the writing instrument into the sleeve and to enhance the appearance of the desk stand as a whole.

In assembling the mounting for the sleeve the end 27 is first passed through the slot 26 in the wall of the shell and the trunnion or head member 29 is then secured in position thereon forming with the sleeve a T-shaped end, the bolt and clip with a resilient presser is then positioned in the cup and the shell and cup secured together as illustrated in Figures 11 and 12, after which the cup may be positioned on the base. The resilient presser forcing the clip into engagement with the trunnion forms sufficient frictional engagement between the parts to hold the sleeve in various adjusted positions between the horizontal position illustrated at 37 in Figure 13 and the vertical position illustrated by line 38 in this figure, while a swivel movement of the sleeve relative to the base may be had, while the sleeve is in any adjusted position in the vertical plane in which it is hingedly mounted by means of the movement permitted between the shell and cup as above pointed out. The bushing 34 is so mounted that it may, if desired, be removable or interchangeable for accommodating various sizes of writing instruments as desired.

It will be apparent that the assembly above pointed out is one affording strength and durability of mounting and one which may be quickly assembled and produced at the minimum expense consistent with good workmanship and mechanical strength of the operating parts.

The foregoing description is directly solely towards the construction illustrated, but we desire it to be understood that we reserve the privilege of resorting to all the mechanical changes to which the device is susceptible, the invention being defined and limited only by the terms of the appended claims.

We claim:

1. A desk stand for a writing instrument, comprising a base, a sleeve for receiving the end portion of a writing instrument, a trunnion on the end of said sleeve, a shell having a slot through which said sleeve extends and forming on either side of said slot spaced bearings for said trunnion, resilient means engaging said trunnion and pressing it into engagement with said shell bearing for frictional engagement therewith to hold the sleeve in different adjusted positions in the slot, a cup having its edge portion bent over a portion of said shell to prevent separation of the two but permit of a relative rotation, a threaded bolt for securing said cup to the base, and a finger cut from the stock of said cup and extending through the base to prevent a rotation of said cup about said bolt.

2. A desk stand for a writing instrument comprising a base, a shell mounted upon said base and having a cylindrical portion, a cylindrically shaped trunnion received within said cylindrical portion of said shell and bearing against the wall thereof, a sleeve adapted to receive a writing instrument and having one end thereof extending through a slot in said shell disposed substantially normal to the axis of said cylindrical portion of the shell, means connecting said end of the sleeve to the trunnion within the shell, and means within the shell cooperating with said cylindrical

portion of the shell to form a bearing rotatably supporting said trunnion.

3. A desk stand for a writing instrument comprising a base, a shell mounted upon said base and having a cylindrical portion, a cylindrically shaped trunnion received within said cylindrical portion of said shell and bearing against the wall thereof, a sleeve adapted to receive a writing instrument and having one end thereof extending through a slot in said shell disposed substantially normal to the axis of said cylindrical portion of the shell, means connecting said end of the sleeve to the trunnion within the shell, and a member within the shell arranged to hold said trunnion against said cylindrical portion of the shell, said member having a cylindrically shaped part bearing against said trunnion.

4. A desk stand for a writing instrument comprising a base, a shell mounted upon said base and having a cylindrical portion, a cylindrically shaped trunnion received within said cylindrical portion of said shell and bearing against the wall thereof, a sleeve adapted to receive a writing instrument and having one end thereof extending through a slot in said shell disposed substantially normal to the axis of said cylindrical portion of the shell, means connecting said end of the sleeve to the trunnion within the shell, a member within the shell arranged to hold said trunnion against said cylindrical portion of the shell, and means resiliently forcing said member against said trunnion.

5. A desk stand for a writing instrument comprising a base, a shell mounted upon said base and having a cylindrical portion, a cylindrically shaped trunnion received within said cylindrical portion of said shell and bearing against the wall thereof, a sleeve adapted to receive a writing instrument and having one end thereof extending through a slot in said shell disposed substantially normal to the axis of said cylindrical portion of the shell, means connecting said end of the sleeve to the trunnion within the shell, means within the shell cooperating with said cylindrical portion of the shell to form a bearing rotatably supporting said trunnion, and means rotatably securing said shell to said base for rotation about an axis substantially at right angles to the axis of said trunnions.

6. A desk stand for a writing instrument comprising a base, a shell mounted upon said base and having a cylindrical portion with an axis substantially parallel to said base, a cylindrically shaped trunnion received within said cylindrical portion of said shell and bearing against the wall thereof, a sleeve adapted to receive a writing instrument and having one end thereof extending through a slot in said shell disposed substantially normal to the axis of said cylindrical portion of the shell, means connecting said end of the sleeve to the trunnion within the shell, and means within the shell cooperating with said cylindrical portion of the shell to form a bearing rotatably supporting said trunnion.

7. A desk stand for a writing instrument comprising a base, a shell mounted upon said base and having a cylindrical portion with an axis substantially parallel to said base, a cylindrically shaped trunnion received within said cylindrical portion of said shell and bearing against the wall thereof, a sleeve adapted to receive a writing instrument and having one end thereof extending through a slot in said shell disposed substantially normal to the axis of said cylindrical portion of the shell, means connecting said end

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of the sleeve to the trunnion within the shell, a cup mounted on said base and rotatably supporting said shell for rotation about an axis substantially at right angles to the axis of said trunnion, and a member within the shell between the base and the trunnion and holding the trunnion within said cylindrical portion of the shell.

8. A desk stand for a writing instrument comprising a base, a shell mounted upon said base and having a cylindrical portion with an axis substantially parallel to said base, a cylindrically shaped trunnion received within said cylindrical portion of said shell and bearing against the wall thereof, a sleeve adapted to receive a writing instrument and having one end thereof extending through a slot in said shell disposed substantially normal to the axis of said cylindrical portion of the shell, means connecting said end of the sleeve to the trunnion within the shell, a cup mounted in said base and rotatably supporting said shell for rotation about an axis substantially at right angles to the axis of said trunnion, a member within the shell between the base and the trunnion and holding the trunnion within said cylindrical portion of the shell, and means preventing rotation of the cup on the base.

9. A desk stand for a writing instrument comprising a base, a bearing plate disposed on said base, a bolt passing through said plate and a part of said base, coacting elements on said plate and said base preventing rotation of the plate about the bolt, a sleeve adapted to receive a writing instrument, and means rotatably supporting said sleeve on said plate.

10. A desk stand for a writing instrument comprising a base, a hollow bearing member mounted thereon, a sleeve member for receiving the end portion of a writing instrument, a head

member on said sleeve mounted in said bearing member, a strip of sheet stock having a portion fitting said head and folded upon itself to apply friction thereto, and a resilient member between the folds of said strip to assist the application of frictioning pressure thereto.

11. A desk stand for a writing instrument comprising a base having a hollow bearing member mounted thereon, a sleeve adapted to receive the end of a writing instrument and having a head disposed within said bearing member, and a strip of sheet metal folded upon itself and having an upper leaf of the fold bearing against said head and a lower leaf of the fold bearing against the base.

12. A desk stand for a writing instrument comprising a base, a cup on said base with a bottom supported thereby, a bearing shell rotatably mounted in said cup, a sleeve adapted to receive the end of a writing instrument and rotatably mounted in said shell, and a bolt disposed in a hole in said base and having a head received within said cup and holding said bottom on said base.

13. A desk stand for a writing instrument comprising a base having a hollow bearing member mounted thereon, a sleeve adapted to receive the end of a writing instrument and having a head disposed within said bearing member, a strip of sheet metal folded upon itself and having an upper leaf of the fold bearing against said head and a lower leaf of the fold bearing against the base, and a solid block of compressible rubber disposed between said leaves and tending to force said upper leaf against said head.

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