P. A. PINES.

BRUSH HANDLE.

APPLICATION FILED APR. 29, 1908.

901,736.

Patented Oct. 20, 1908.

Fig. 1.

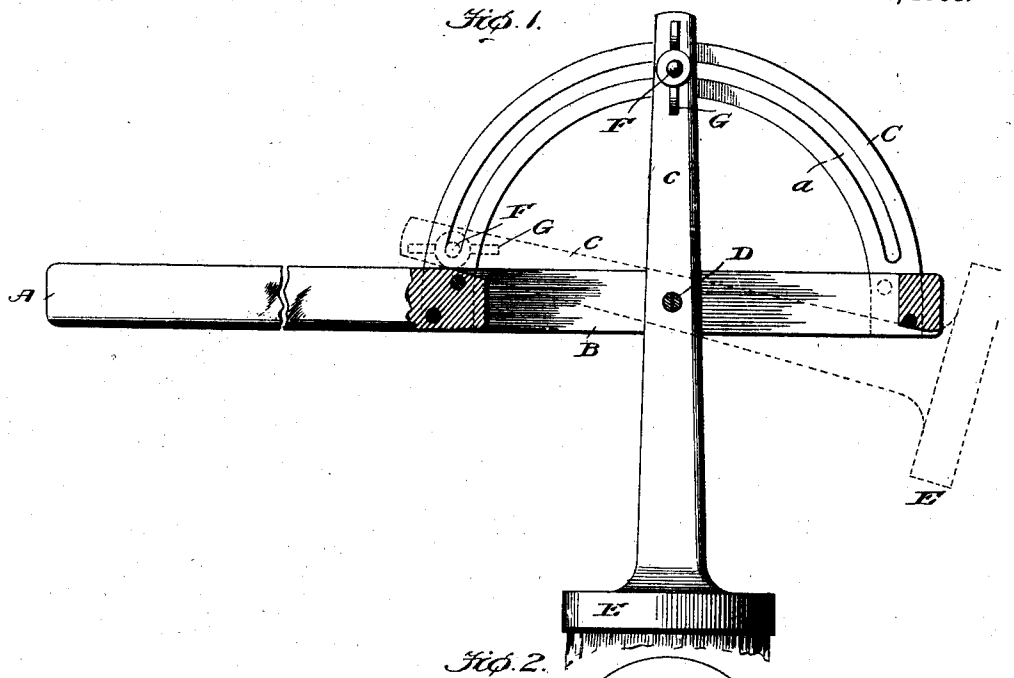
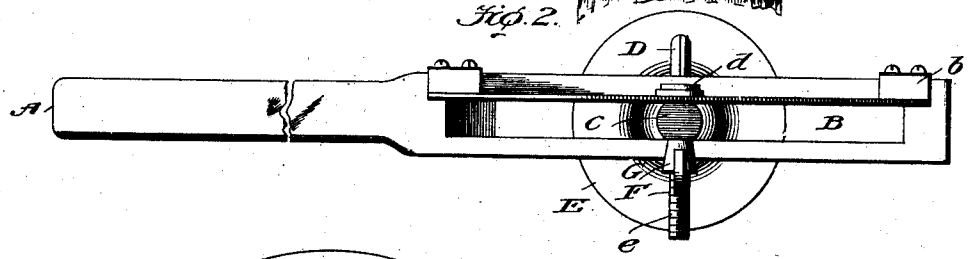


Fig. 2.



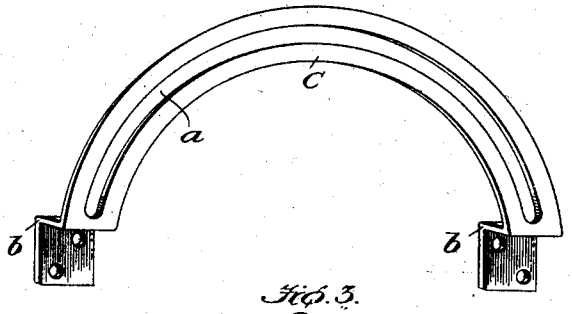


Fig. 3.

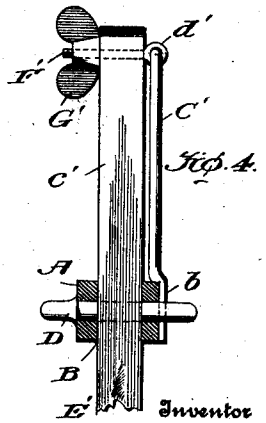


Fig. 4.

Witnesses

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BRUSH-HANDLE.

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To all whom it may concern:

Be it known that I, PHILIP ARTHUR PINES, subject of the King of England, residing at Leyton, London, N. E., England, have invented new and useful Improvements in Brush-Handles, of which the following is a specification.

My invention pertains to appliances for painting, tarring, dusting and other purposes; and it contemplates the provision in combination with a long handle, of a brush or analogous device detachably connected to the handle, and adapted to be placed at various angles of inclination relative to said handle, and coöperating means on the handle and the brush, whereby the latter may be adjustably fixed with respect to the handle, this being advantageous for the reason that the brush may be used to advantage in all positions and in such manner as to utilize all of its bristles, and when the brush is worn out it may be expeditiously and easily removed and as readily replaced with a new brush, and in this way the long handle and its appurtenances, which constitute the expensive portions of the appliance, may be used for an indefinite period.

With the foregoing in mind the invention will be fully understood from the following description and claim when the same are read in connection with the drawings, accompanying and forming part of this specification, in which:

Figure 1 is a broken view, partly in side elevation and partly in longitudinal section, illustrating the appliance constituting the best embodiment of my invention for heavy work of which I am cognizant. Fig. 2 is a broken plan view of the same. Fig. 3 is a detail perspective view illustrative of the arcuate plate of the appliance, and: Fig. 4 is a view of a modification designed for light work such for instance as dusting.

Referring by letter to the said drawings, and more particularly to Figs. 1 to 3 thereof: A is the handle of my novel appliance which is designed to be made quite long for obvious reasons, and is preferably, though not necessarily, made of a wood suitable to the purpose. Adjacent to its forward end the said handle A is provided with a longitudinal slot or oblong opening B for a purpose hereinafter set forth.

C is an arc-like device which specifically speaking is an arcuate plate having a slot *a* extending throughout the major portion of its length. The said plate C is provided at its ends with lateral angular portions *b*, Figs. 2 and 3, and the said angular portions bear on the handle and against the side thereof and are fixedly connected to said handle, whereby it will be manifest that the arcuate plate is rendered rigid on the handle; also, that the major or curved portion of the plate is disposed in approximately the same vertical plane as the slot B, as shown in Fig. 2.

Extending transversely through the slot B and the walls at opposite sides of said slot is a pintle D which is preferably in the form of a split pin, this in order that it may be removed when necessity demands and yet is not liable to be displaced incidental to the use of the appliance. The said pintle is designed to serve as a fulcrum for the stem *c* of a brush or analogous device E, which stem *c* extends through the slot B and is designed to be adjustably fixed to the arcuate plate C through the medium of a bolt F and a wing or other suitable nut G. The bolt F extends through the slot *a* of the plate C and also through the stem or handle *c* of the brush, and is provided with a head *d* and a thread *e*, the latter being for the engagement of the nut G which is disposed at the opposite side of the stem *c*, with reference to the arcuate plate C. By virtue of this construction it will be manifest that when the nut G is loosened the stem or handle *c* of the brush may be placed at different angles to the main handle A of the appliance, and when the said nut is turned up on the bolt the said stem or handle *c* will be fixed with respect to the plate C and the main handle A in such manner that there is no liability of the relative arrangement of the brush being casually changed during the use of the appliance. It will also be noticed in this connection that when the brush E is rendered unfit for use through wear it may be quickly and easily removed and as readily replaced with a new brush.

It will be gathered from the foregoing that my novel brush may be used at any angle in the tarring of ship's decks, the lower parts of boilers and the painting of ship's bottoms and sides in such a manner that the bristles of the brush will wear evenly throughout the diameter or width of the brush, and in that way the usefulness of the brush as a whole is materially prolonged. It will also be manifest that when the brush is worn out the same may be readily removed and replaced without entailing the employment of skilled labor

or the use of tools of any description; and it will further be manifest that the arrangement of the stem or handle of the brush E in the slot B of the main handle A and alongside of the arcuate plate C removes strain in the direction of the thickness of the appliance from the pintle D and from the connection between the stem or handle of the brush and the arcuate plate.

The construction shown in Fig. 4 is for light work such as dusting, and it differs from the embodiment shown in Figs. 1 to 3 in that it comprises an arc-like device C′ formed of wire and fixedly connected at its ends to the main handle A, and a threaded bolt F′ which is provided at one end with an eye d' loosely receiving the arc-like device C′. The bolt F′ is passed through the handle c' of the brush E′ and is equipped at the opposite side of the stem c', with reference to the device C′, with a wing or other suitable nut G′. When this construction is employed the brush may be adjustably fixed at various angles to the main handle A in substantially the same manner as before described, in connection with Figs. 1 to 3.

In addition to the practical advantages hereinbefore ascribed to my novel appliance, it will be noted that the appliance is simple and inexpensive in construction and is well adapted to withstand the rough usage and exposure to which appliances of corresponding character are ordinarily subjected.

The appliances herein specifically described constitute the best practical embodiments of my invention of which I am aware, but it is obvious that in the future practice of the invention such changes in the form, construction, and relative arrangement of parts may be made as fairly fall within the scope of my invention as defined in the claim appended. For instance, the main handle A may be formed of one piece or may be formed of sections telescopically arranged, in the discretion of the manufacturer.

Having described my invention, what I claim and desire to secure by Letters-Patent, is:

The herein described appliance comprising a main handle having a longitudinal slot, an arc-like device arranged in a plane at one side of that of the slot and fixedly connected at its ends to the said main handle, a brush having its stem or handle arranged in the slot of the main handle and alongside the arc-like device, a pintle extending through the side walls of the slot in the main handle and through the stem or handle of the brush at an intermediate point in the length of said stem or handle and serving as a fulcrum for the same, and means carried by the stem or handle of the brush for coöperating with the arc-like device to adjustably fix the stem or handle thereto.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

PHILIP ARTHUR PINES.

Witnesses:
G. N. ROBERTS,
GEO. W. KENDALL.