

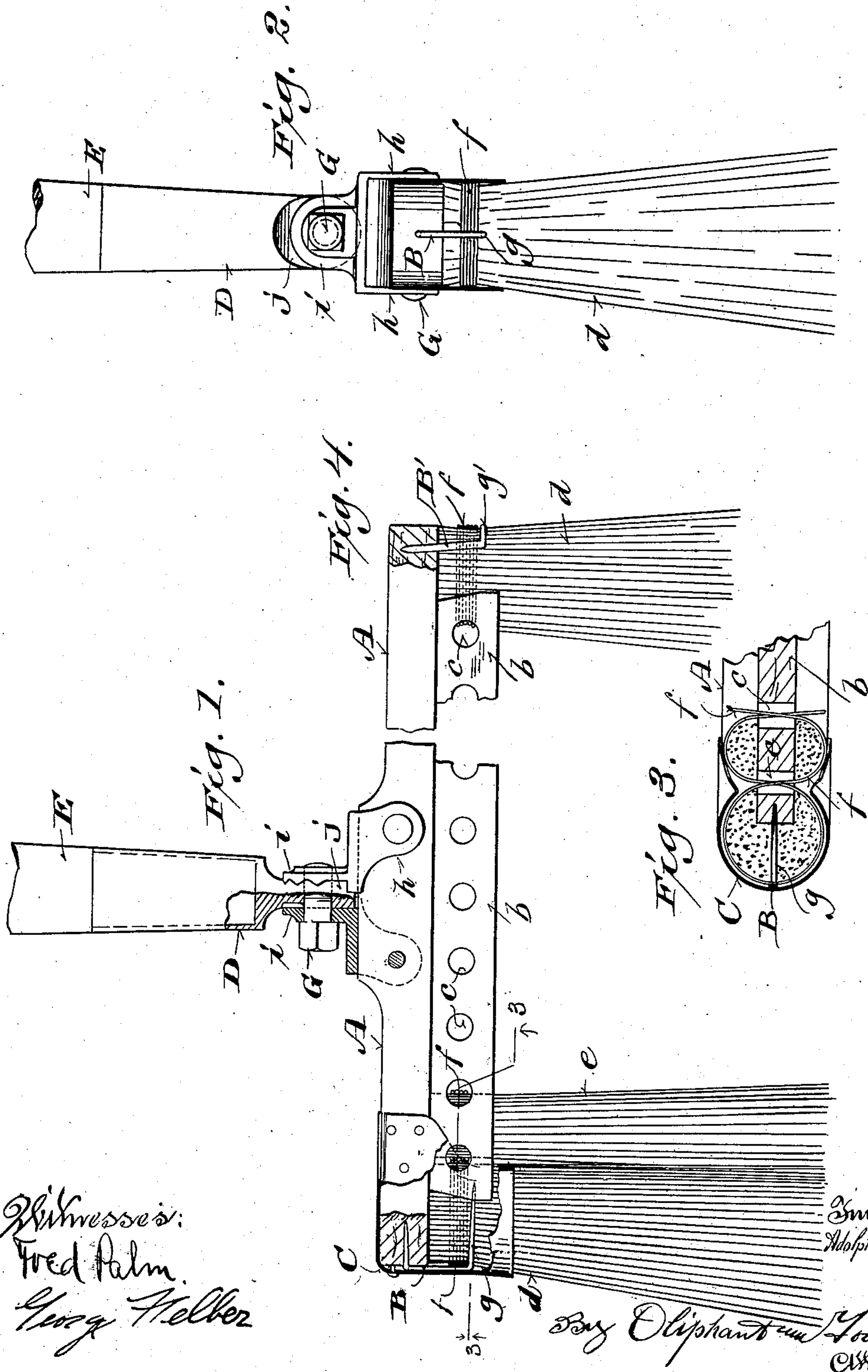
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No. 891,314.

PATENTED JUNE 23, 1908.

A. R. WIENS.
BRUSH.

APPLICATION FILED JULY 16, 1906.



Witnesses:
Fred Palm
Georg Helber

Inventor
Adolph R. Wiens.

By Oliphant & Young,
Attorneys

UNITED STATES PATENT OFFICE.

ADOLPH R. WIENS, OF MILWAUKEE, WISCONSIN.

BRUSH.

No. 891,314.

Specification of Letters Patent.

Patented June 23, 1908.

Application filed July 16, 1906. Serial No. 326,315.

To all whom it may concern:

Be it known that I, ADOLPH R. WIENS, a citizen of the United States, and resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Brushes; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention consists in what is herein shown, described and claimed; its object being to provide light, strong and durable paste-brushes each having the major portion of each end tuft thereof clear of the tie-rib of the head, said brushes being especially designed for bill-posters.

A further object of my invention is to provide for ready adjustment of each brush to various angles with respect to its staff.

Figure 1 of the accompanying drawings represents a partly sectional side elevation of a fragment of a paste-brush in accordance with my invention having adjustable connection with a fragment of a staff, several tufts of the brush being omitted, Fig. 2, a partly sectional end elevation of what is shown in Fig. 1, Fig. 3, a horizontal section view indicated by lines 3—3 in said Fig. 1, and Fig. 4, a sectional side elevation of a fragment of said brush illustrating a tuft-anchor of a different form from that shown in the other figures.

Referring by letter to the drawings, A indicates a brush-head that is ordinarily of wood suitably fashioned to provide a transversely central under rib *b*, this rib being provided with apertures *c* at recurring intervals. The rib is cut away further back from the ends of the remainder of the brush-head than is customary to provide increased space for bristle-stock of the end tufts *d* of the brush, which tufts partially surround said rib, and by my novel construction, a greater amount of bristle-stock is utilized where it is most desirable in paste-brushes especially designed for the bill-poster trade. The length of the rib *b* is such that it is approximately equidistant from the longitudinal center of the brush-head and it extends into each end-tuft *d* approximately one-third the diameter of said tuft instead of more than one-half of said diameter as is usually the case.

The end-tufts *d* and intermediate tufts *e*

of the brush are tied in the usual way, by running strands of cord or wire *f* in opposite directions through the apertures *c* in the rib *b* of the brush-head and drawing tight.

Owing to the fact that the extremities of the rib *b* are further back of the ends of the remainder of the brush-head than is customary, some support is necessary for the major portions of the end-tufts *d* of the brush out of contact with said rib. One suitable support is shown in the form of a short and long prong staple B driven into the brush-head and its rib *b*, the long prong *g* being driven into said rib just below the fastening cord or wire *f* drawn on an end-tuft *d*, said staple serving as an anchor for the tuft. In Fig. 4, the end tuft anchor is shown in the form of a right-angle hook B', the shank of which hook is driven into the brush-head far enough to bring the head *g'* under the fastening cord or wire drawn on said tuft.

The brush-head extremities of the end-tufts *d* are protected by shields C common in the art.

Bolted or otherwise suitably fastened to the brush-head, central of the same, are side flanges *h* of a pair of angular brackets having centrally apertured ears *i* the opposing faces of which are provided with alternating radial ribs and grooves for engagement with correspondingly ribbed and grooved sides of the reduced and flattened centrally apertured shank *j* of a tapered socket D in which a staff E is suitably fastened. The staff with its socket is adjustable to various angles, and fastened in adjusted position, by means of a screw-bolt G that engages the central apertures of the ears *i* of the aforesaid brackets and that of the socket-shank, one of the bracket-ears being tapped to match the thread of the bolt, this bolt being turned up tight to clamp said ears in the rib-and-groove engagement with the shank of the staff-socket.

I claim:

A paste-brush comprising a head having a transversely central under rib of less length than the remainder of the head but extending approximately equidistant from the longitudinal center of same and apertured at recurring intervals, end-tufts and intermediate tufts of bristle stock, cord or wire tied

to the rib through the apertures of same and
binding the bristle stock thereto, the major
portion of each end-tuft being clear of said
rib, and anchors arranged in connection with
5 the brush-head to come under the tuft fas-
tening cord or wire at the ends of the brush.
In testimony that I claim the foregoing I

have hereunto set my hand at Milwaukee in
the county of Milwaukee and State of Wis-
consin in the presence of two witnesses.

ADOLPH R. WIENS.

Witnesses:

S. BURNS,
JOHN COX.