

Improvements connected with injection syringes and the like / [Fritz Freienstein].

Contributors

Freienstein, Fritz.
Herbert Haddan & Co.

Publication/Creation

London : Printed for Her Majesty's Stationery Office by Darling and Son, Ltd, 1896.

Persistent URL

<https://wellcomecollection.org/works/abk3zk8c>

License and attribution

This work has been identified as being free of known restrictions under copyright law, including all related and neighbouring rights and is being made available under the Creative Commons, Public Domain Mark.

You can copy, modify, distribute and perform the work, even for commercial purposes, without asking permission.



Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>

N^o 12,677



A.D. 1896

Date of Application, 9th June, 1896—Accepted, 11th July, 1896

COMPLETE SPECIFICATION.

Improvements connected with Injection Syringes and the like.

I, FRITZ FREIENSTEIN, of Scharrnstrasse 12/13, Berlin, in the Empire of Germany, Merchant, do hereby declare the nature of this invention and in what manner the same is to be performed to be particularly described and ascertained in and by the following statement:—

5 This invention relates to an injection syringe tube with a screw cap nut for fixing and permitting the exchange of the tube on subcutaneous and other surgical syringes.

Hitherto this fastening has been effected usually by screwing or pushing it on a cone, or on a cylinder provided, with a screw thread, whilst the tube itself was
10 connected inseparably with a cylindrical end piece, provided with a conical bore or with a screw thread to be pushed or screwed upon the corresponding cone or cylinder of the syringe body. Not only is such a fastening deficient and insufficiently close but the tubes provided with these fixed end pieces occupy a considerable space so that for a subcutaneous syringe the case will generally only
15 hold two, and always only a limited number of tubes, whilst it is of the greatest importance and very desirable to have always a large number of tubes at hand, as they very easily get stopped up, and for avoiding infection especially in dentistry it is absolutely necessary to submit the tubes to a thorough disinfection, before they are again used.

20 The object of this application allows of placing in one a large number of tubes the hitherto used end socket being avoided and the tube A itself let into a small cone B of soft metal.

A screw cap nut C which possesses a corresponding conical form in the part where it rests upon the cone B, receives the tube and is pressed or screwed over
25 the lengthened syringe mouth piece D consisting of a cone or of a cylinder provided with a screw thread. By screwing up this cap nut the tube is completely tightened by the pressing of the cone B.

It will be understood that tubes thus fixed can be very easily exchanged and cleaned and that on account of the small space which they occupy a larger number
30 of them can be arranged in a case of the usual size.

The cleaning is effected in the known manner by use of a thin wire E with eye E¹ as shown in Fig 2.

Having now particularly described and ascertained the nature of this invention and in what manner the same is to be performed I declare that what I
35 claim is

An injection syringe tube for subcutaneous and other syringes having a conical head B fixed on its dull end and adapted to be pressed strongly upon the syringe mouth piece D by means of a screw cap nut passed over the tube A and screwed upon the mouth piece D.

40 Dated this 8th day of June 1896.

HERBERT HADDAN & Co.,
18, Buckingham Street, Strand, London, W.C., Agents for Applicant.

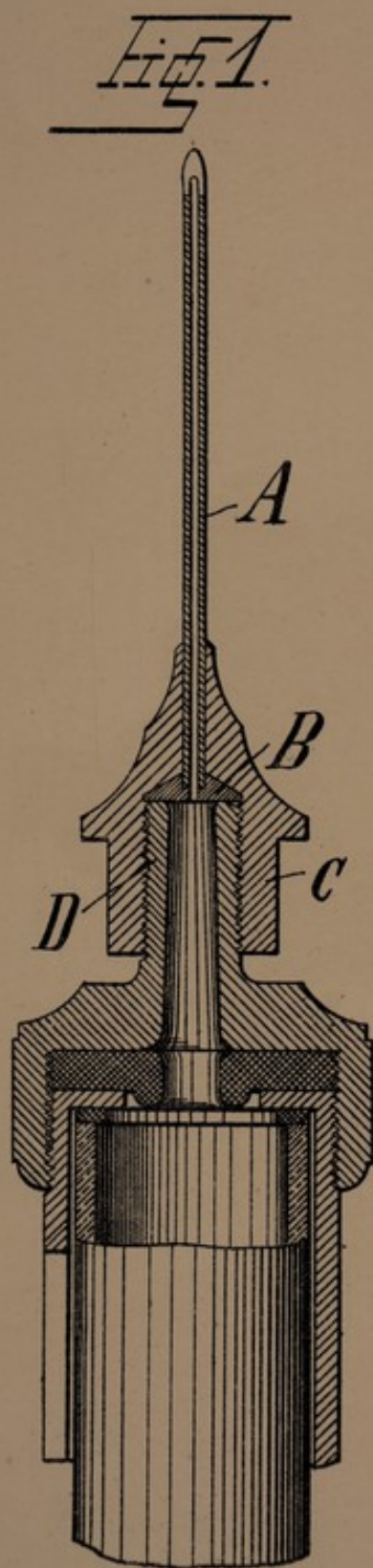
London : Printed for Her Majesty's Stationery Office, by Darling & Son, Ltd.—1896

[Price 8d.]



THE
JOURNAL OF THE
AMERICAN MEDICAL ASSOCIATION
PUBLISHED WEEKLY
CHICAGO, ILL., U.S.A.
Vol. 11, No. 1, January 1, 1918
Price, Five Cents
Subscription Price, \$5.00 per Annum in Advance
Entered as Second-Class Matter, June 26, 1911, Post Office at Chicago, Ill., under No. 109,347.
Acceptance for mailing at special rate of postage provided for in Act of October 3, 1917, authorized on July 1, 1918.
Postage paid at Chicago, Ill.
Copyright, 1918, by American Medical Association
Published by the American Medical Association, 535 North Dearborn Street, Chicago, Ill.
Second-Class Bulk Rate Approved by Post Office at Chicago, Ill., July 1, 1918.
Postage paid at Chicago, Ill., under No. 109,347.
Postmaster: This journal is published weekly, except on Sundays and public holidays, and is sent by mail to subscribers at the rate of \$5.00 per annum in advance.
Subscription orders, notices of change of address, and other communications should be sent to the American Medical Association, 535 North Dearborn Street, Chicago, Ill.

THE
JOURNAL OF THE
AMERICAN MEDICAL ASSOCIATION
PUBLISHED WEEKLY
CHICAGO, ILL., U.S.A.
Vol. 11, No. 1, January 1, 1918
Price, Five Cents
Subscription Price, \$5.00 per Annum in Advance
Entered as Second-Class Matter, June 26, 1911, Post Office at Chicago, Ill., under No. 109,347.
Acceptance for mailing at special rate of postage provided for in Act of October 3, 1917, authorized on July 1, 1918.
Postage paid at Chicago, Ill.
Copyright, 1918, by American Medical Association
Published by the American Medical Association, 535 North Dearborn Street, Chicago, Ill.
Second-Class Bulk Rate Approved by Post Office at Chicago, Ill., July 1, 1918.
Postage paid at Chicago, Ill., under No. 109,347.
Postmaster: This journal is published weekly, except on Sundays and public holidays, and is sent by mail to subscribers at the rate of \$5.00 per annum in advance.
Subscription orders, notices of change of address, and other communications should be sent to the American Medical Association, 535 North Dearborn Street, Chicago, Ill.



[This Drawing is a full-size reproduction of the Original.]

