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Patent Document

no. 9034

FRANZ NIX

in Neuss

ADJUSTABLE WRENCH



Published March 22, 1880.

Class 87 a7
Tools and Devices

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Patent Document

1879

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ADJUSTABLE WRENCH

Additional patent to no. 7440 from March 5, 1879
Patented in the German Empire on September 16, 1879
Longest duration: March 4, 1894

On a conventional wrench with a hexagonal opening, the opening is provided with six loose jaws. The jaws have a trapezoidal shape, the height thereof being equal to half the height of an equilateral triangle, for which the side is equal to the base of the trapezoid.

Each jaw is mounted such that the base of the trapezoid occupies the space from the center point of the hexagon to one corner of the same. Regarding the two non-parallel sides of the trapezoid: one [side] contacts the inner side of the hexagonal opening, the other [side] contacts the base of the adjacent jaw.

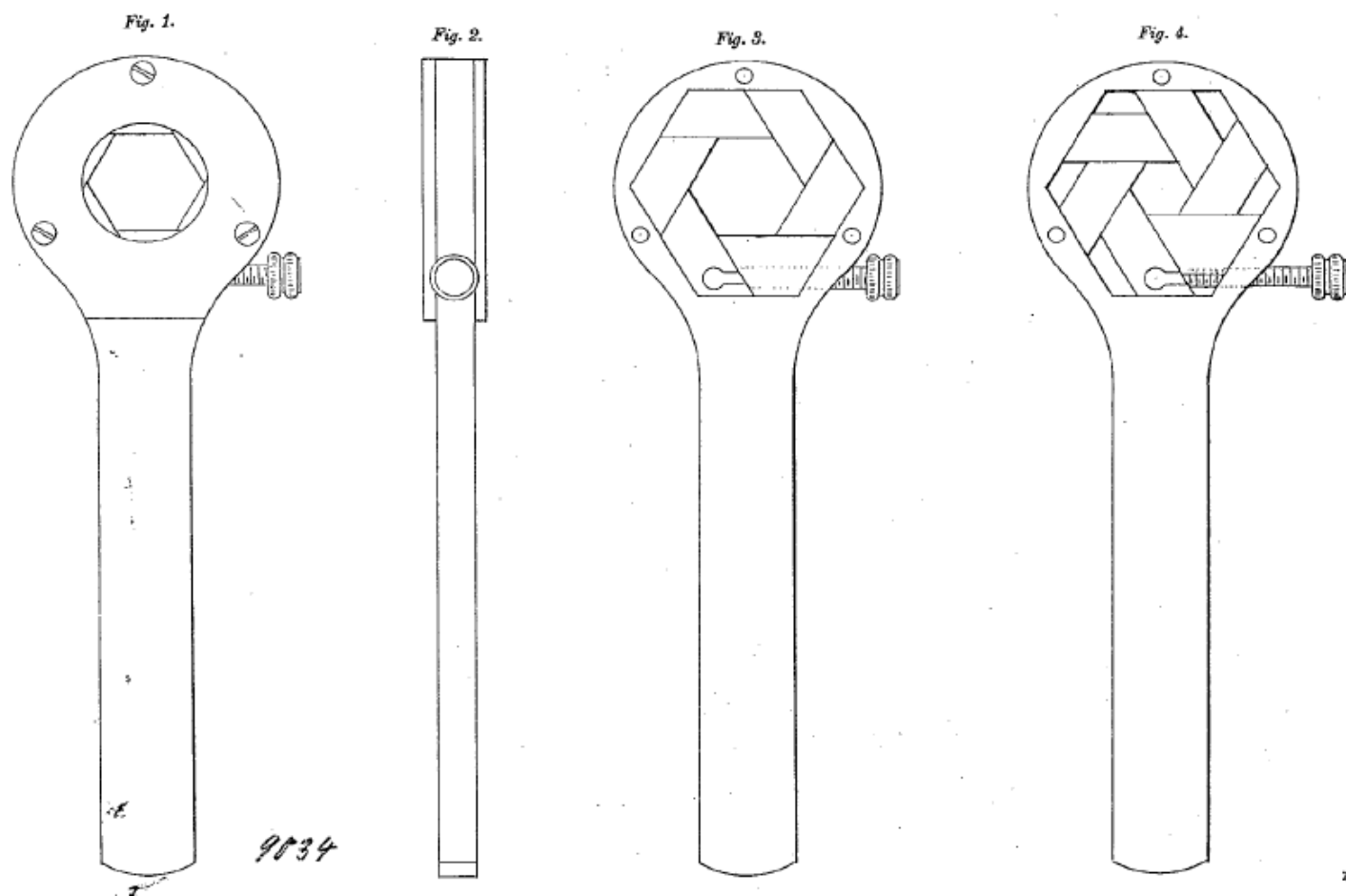
By displacing the jaws, a hexagonal opening occurs in the center point, which opening is differently sized according to the position of the jaws, and thus forms the actual adjustable wrench for hexagonal nuts. The displacement is effected by a screw, which engages with a jaw through the frame of the wrench. The jaws are manufactured from steel and hardened. Two covers retain the jaws in the wrench and allow only the displacement of the same.

Patent claim:
Adjustable wrench with hexagonal opening.

Here follows 1 page of drawings.

Franz Nix in Neuss

ADJUSTABLE WRENCH



Regarding patent application number
No 934

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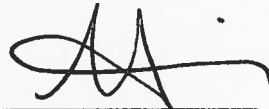
City of New York, State of New York, County of New York

I, Angela Lo, hereby certify that the document “DE9034C (Nix)” is, to the best of my knowledge and belief, a true and accurate translation from German into English.



Angela Lo, Project Assistant

Sworn to before me this
October 7, 2016



Signature, Notary Public

MICHELE CLAERHOUT
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