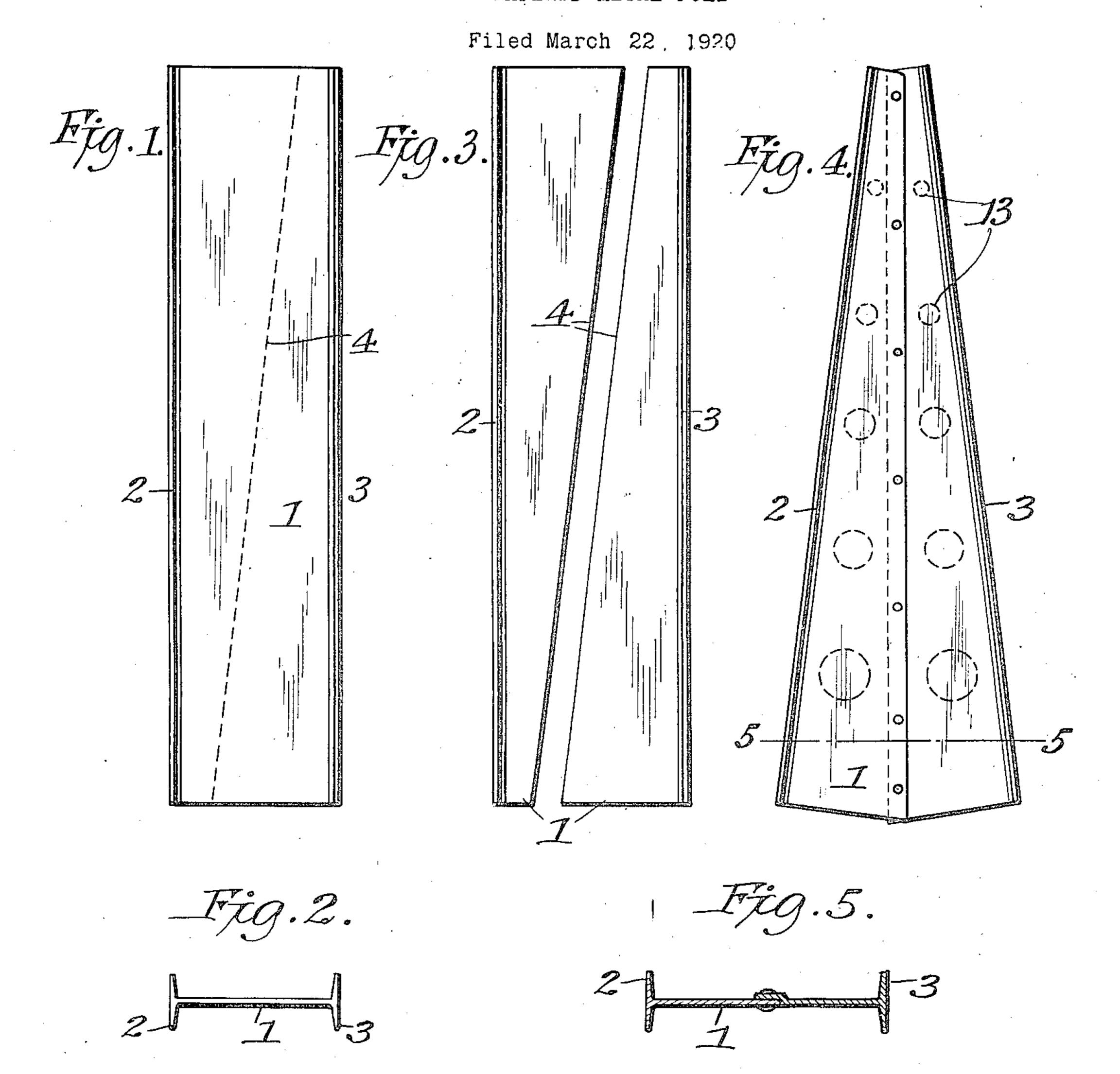
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TAPERED METAL POLE



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BY

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UNITED STATES PATENT OFFICE.

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TAPERED METAL POLE.

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To all whom it may concern:

Be it known that I, Maurice Lachman, 5-5 of Fig. 4. a citizen of the United States, and a resi- In carrying out the invention a rolled ing is a specification.

10 facture of tapered metal telegraph, trans- along each longitudinal edge. The size, lower the cost of the finished article. vious to those skilled in the art.

The invention relates more particularly to The beam is then separated into two

tegral therewith.

The form of pole to which my invention bias cut or severing of the parts is effected more particularly relates may be otherwise in any suitable manner. 25 other words, having a web of lessening together so that the wide and narrow ends ferent heights.

30 of this character flanged structural shapes tween the parts running vertically and centhe finished pole while the double flanges of said I-beams. at the edges of the I-beam shall constitute The edges 4 may be presented to each 40 said tapered pole.

is a side elevation of a length of rolled If desired to lighten the pole, lessen the 100 flanged section utilized in carrying out wind resistance or for purposes of ornathe invention.

Fig. 2 is an end view of the same.

the section has been divided into two component parts.

Fig. 4 is a side elevation of the finished

pole.

Fig. 5 is a cross-section taken on the line 55

dent of New York, in the county of New section such as an I beam is preferably em-5 York and State of New York, have invented ployed although it will be understood that certain new and useful Improvements in other rolled sections having flanges along 60 Tapered Metal Poles, of which the follow- the longitudinal edges may be employed. In the drawings such a section is indicated My present invention relates to the manu- having a web 1 and flanges or T's 2, 3 mission and other poles and its object is to proportions and weight of beam is deter- 65 simplify the method of manufacturing and mined upon according to the conditions rethe construction of such poles and thereby quired in the finished pole as will be ob-

poles in which the body or main central preferably duplicate longitudinal parts or 70 portion consists of a web or plate having members by a bias cut, indicated by the a flange at both edges of the said web in- dotted lines 4, Fig. 1, through the web from one end of the beam to the other. This

stated to be, in its preferred form, of a form One of the parts is then reversed or upresembling an I-beam in cross-section with ended with relation to the other part and a web tapering from the base up or, in the cut edges 4 of the webs 1 are brought width at sections of the pole made at dif- of each part are at the same end of the fin- 80 ished pole and the webs are secured directly One of the special objects of my invention to one another at the cut edges. This reis to utilize for the construction of a pole sults in a tapered pole with the joint beknown commercially as flange and I-beams trally through the web and in which the 85 or plates usually made in a rolling mill and web or body portion of the pole, tapered having the web part, as is well known, of to make the tapering pole, consists essensubstantially uniform width in such way tially of the web portion of said I-beam 35 that the metal constituting the web of said and the sides or edges of the pole are I-beam shall constitute the tapering web of flanged, said flanges consisting of the heads 90

the double or other flanged edge or side of other and secured together in any desired manner. In the form shown in Figs. 4 and The invention consists in the method of 5 one of the edges if offset and lapped over 95 manufacturing the pole as well as in the the other edge so that the two parts of the construction of the pole as hereinafter de- web lie in substantially the same plane. scribed and then specified in the claims. The lapped edges may then be riveted, spot-In the accompanying drawings, Fig. 1 welded or joined in any suitable way.

mentation, openings 13 (indicated by dotted lines in Fig. 4) of any desired shape may Fig. 3 is a view similar to Fig. 1 after be formed in the webs of each part or member.

> The ends of the pole illustrated in Fig. 4 may be trimmed or squared off as desired. It will be understood that the invention

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a rolled flanged section or I beam into two or members, the edge of the web of each component parts by a bias cut, then revers- part running obliquely to the flange, and ing one of the parts and joining the webs said parts being assembled with the cut 5 of the two parts directly to one another in edges of the webs meeting and secured di- 30 any suitable manner, and that many modi-rectly to one another to form a tapered pole fications in the method of securing the parts comprising two members only. together may be resorted to without depart- 3. A tapered metal telegraph or other ing from the spirit of the invention.

The invention claimed is:

poles consisting in providing an I beam section, dividing the section into two parts by directly to one another with the narrower tapering from one end to the other wherein the pole. 20 the body or web of the pole consists of the web of the I-beam and the double flanges of said I-beam constitute flanged edges or sides of the pole integral with the web of said pole.

2. A tapered metal telegraph or other

consists broadly in longitudinally dividing pole comprising two duplicate flanged plates

pole, consisting of two members only and comprising two flanged metal plates each 35 1. The method of manufacturing metal having its web or body part diminishing in width from end to end thereof and secured a bias cut longitudinally through the web, portions in apposition, the said web parts 15 reversing the longitudinal relation of the together constituting the web or body of 40 separate parts and securing the cut edges the tapered pole and the flanges of said directly to one another to form a flanged bars or members integral with the web parts section consisting of two members only and constituting the flanged edges or sides of

Signed at New York, in the county of 45 New York and State of New York, this

19th day of March, A. D. 1920. MAURICE LACHMAN.

Witness: IRENE LEFKOWITZ.