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United States Patent [19]

[11] Patent Number: **Des. 343,598**

Southwell et al.

[45] Date of Patent: **** Jan. 25, 1994**

[54] BICYCLE FRAME

DESCRIPTION

[75] Inventors: **David R. Southwell; Jonathan M. Wege**, both of Grand Rapids, Mich.

FIG. 1 is a perspective view of a bicycle frame showing my new design;

[73] Assignee: **Barracuda Bicycle Company**, Grand Rapids, Mich.

FIG. 2 is a front elevational view thereof;

[**] Term: **14 Years**

FIG. 3 is a rear elevational view thereof;

[21] Appl. No.: **803,379**

FIG. 4 is a top plan view;

[22] Filed: **Dec. 5, 1991**

FIG. 5 is a bottom view thereof;

[52] U.S. Cl. **D12/111**

FIG. 6 is a right side view thereof;

[58] Field of Search **280/281.1, 288.1, 288.2, 280/288.3; D12/111**

FIG. 7 is a left side view thereof;

[56] References Cited

FIG. 8 is a cross-sectional view of the bicycle frame taken along line 8—8 of FIG. 6 illustrating the teardrop shape of the top tube;

U.S. PATENT DOCUMENTS

4,621,827 11/1986 Klein 280/288.3
4,813,591 3/1989 Mueller et al. 280/288.3

FIG. 9 is a cross-sectional view of the bicycle frame taken along line 9—9 of FIG. 6 illustrating the teardrop shape of the down tube;

OTHER PUBLICATIONS

American Bicyclist & Motorcyclist, Aug. 1991, p. 12, the MTB bicycle frame No. FE-6005.

FIG. 10 is a cross-sectional view of the bicycle frame taken along line 10—10 of FIG. 6 illustrating the increased rounding out of the teardrop shape of the down tube adjacent to its ends;

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FIG. 11 is a cross-sectional view of the bicycle frame taken along line 11—11 of FIG. 6 further illustrating the increased rounding out of the teardrop shape of the down tube adjacent to its ends;

[57] CLAIM

The ornamental design for a bicycle frame, as shown and described.

FIG. 12 is a cross-sectional view of the bicycle frame taken along line 12—12 of FIG. 7 illustrating the round shape of the central portion of the seat tube;

FIG. 13 is a cross-sectional view of the bicycle frame taken along line 13—13 of FIG. 7 illustrating the increased ellipticity of the seat tube adjacent to its ends; and,

FIG. 14 is a cross-sectional view of the bicycle frame taken along line 14—14 of FIG. 7 further illustrating the increased ellipticity of the seat tube adjacent to its ends.

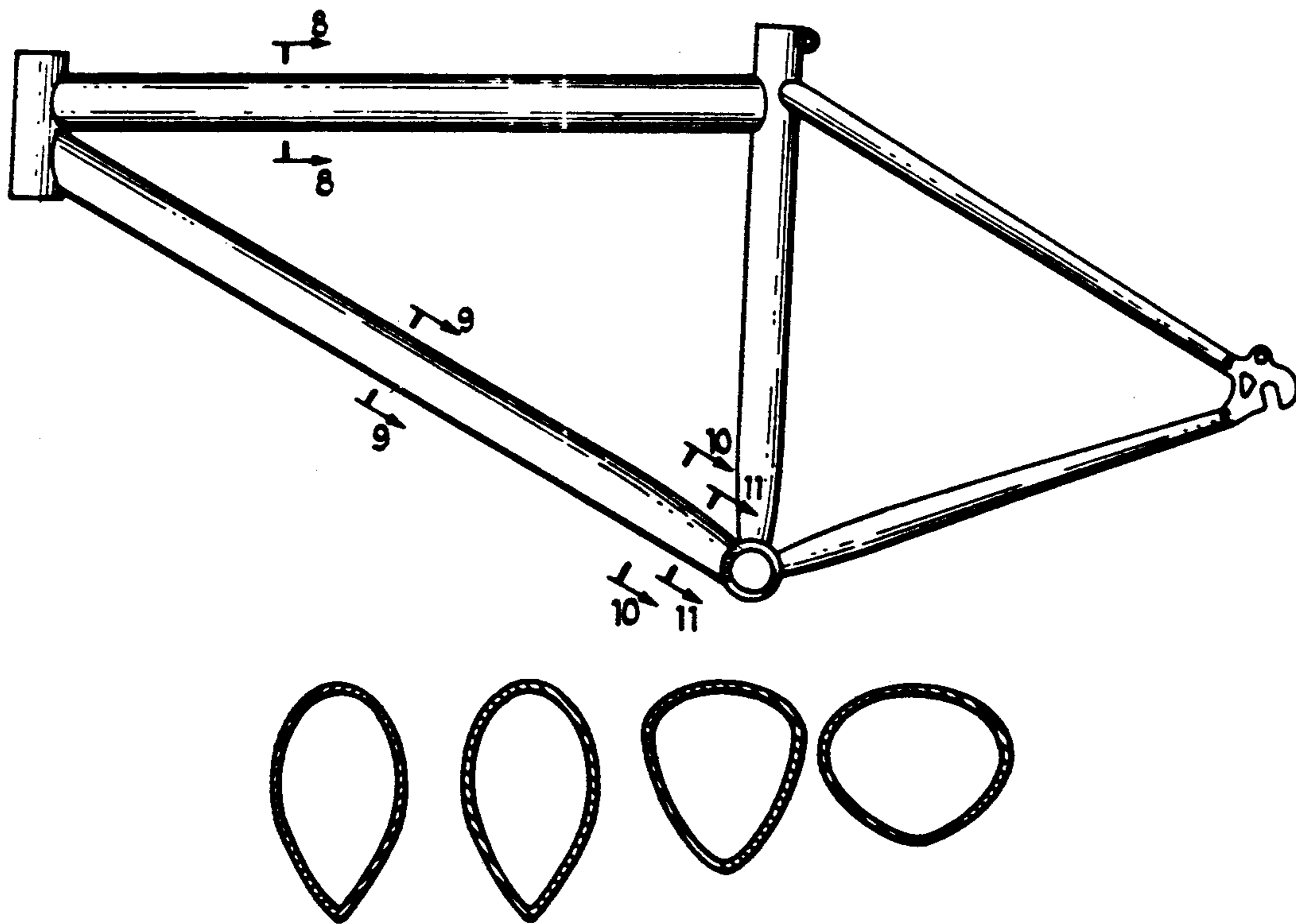


Fig 1

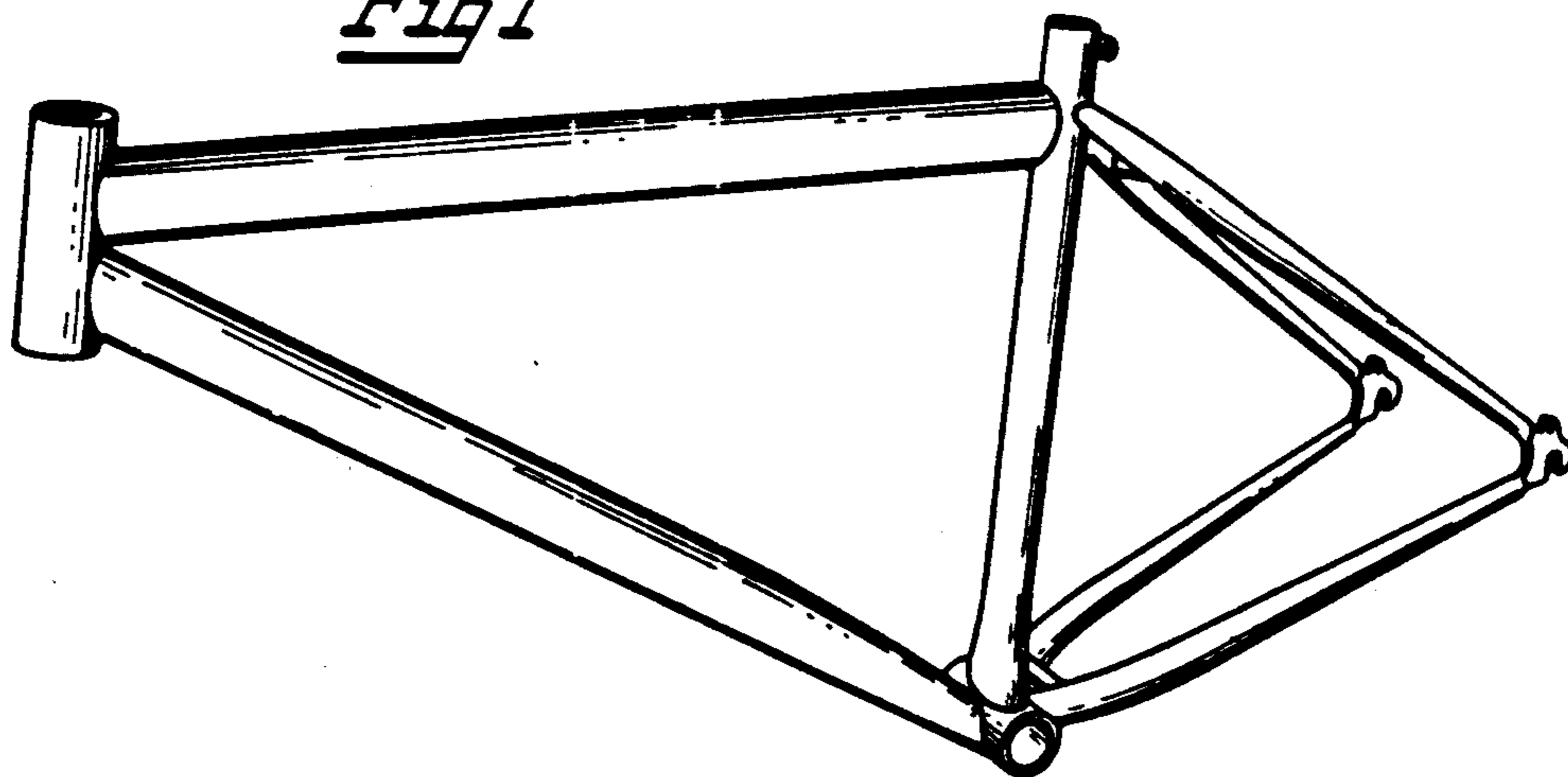


Fig 2

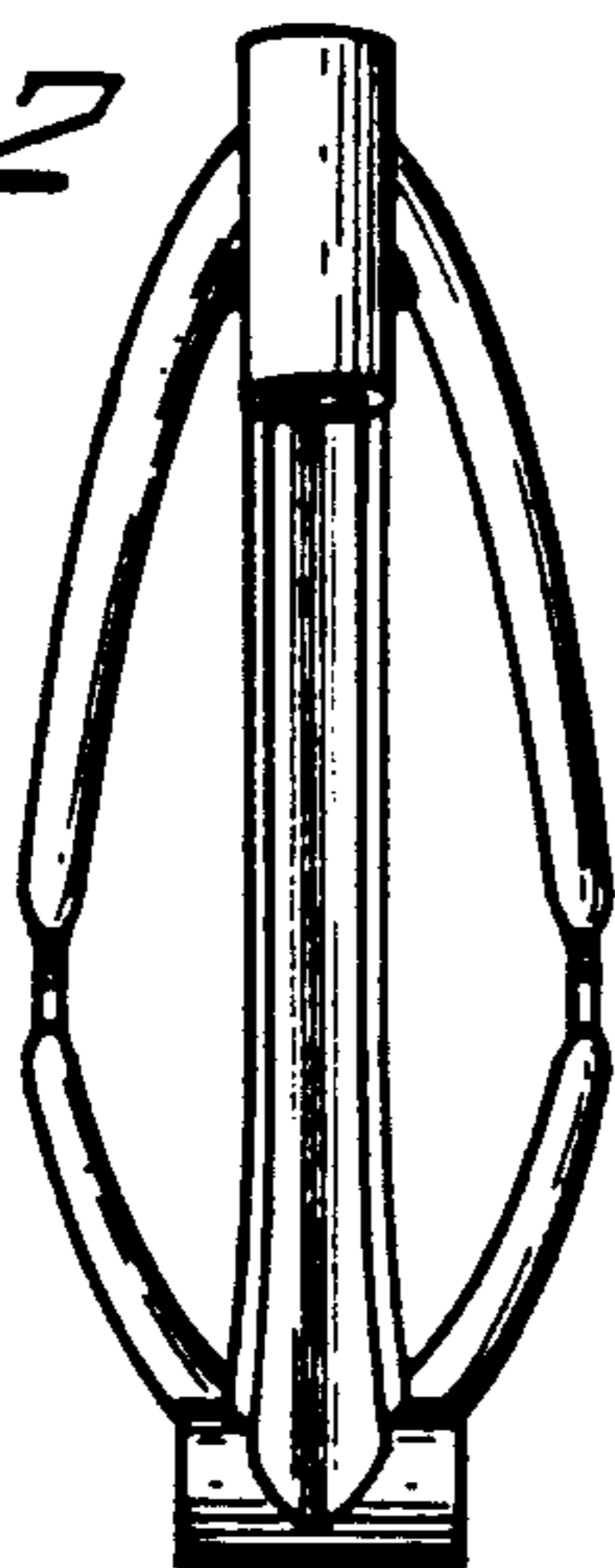


Fig 3

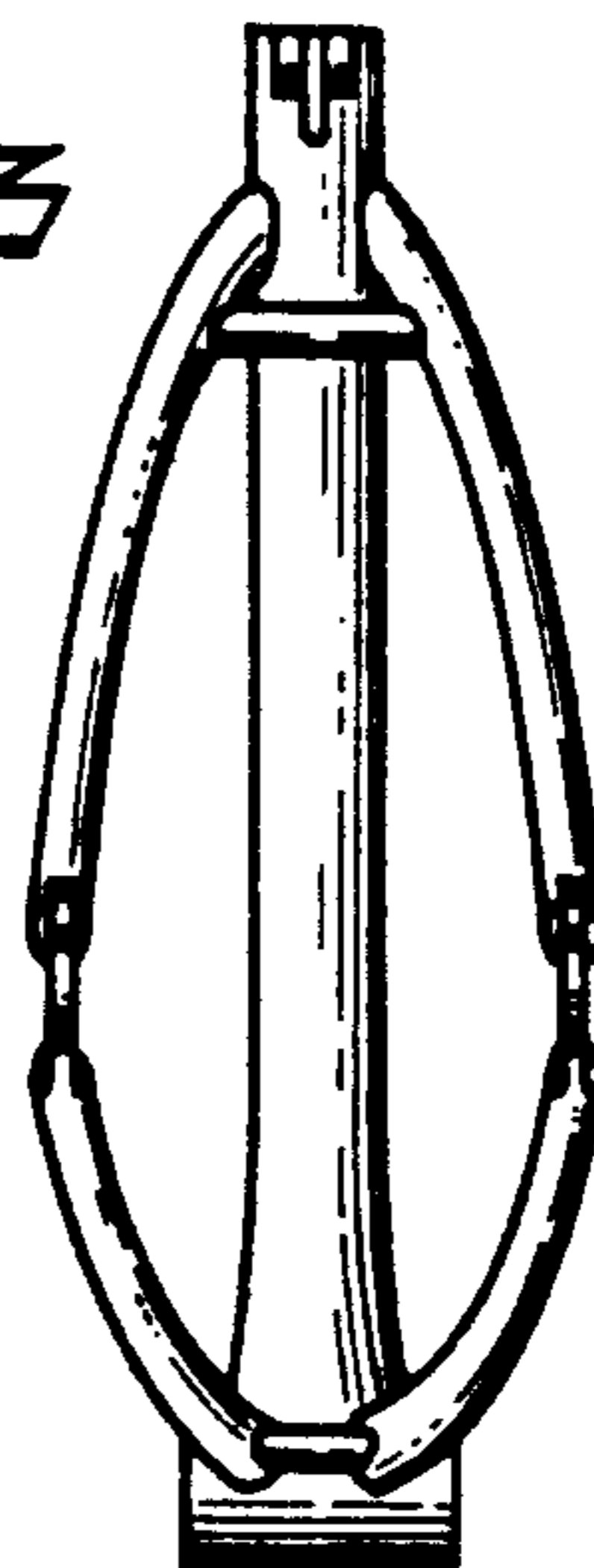


Fig 4

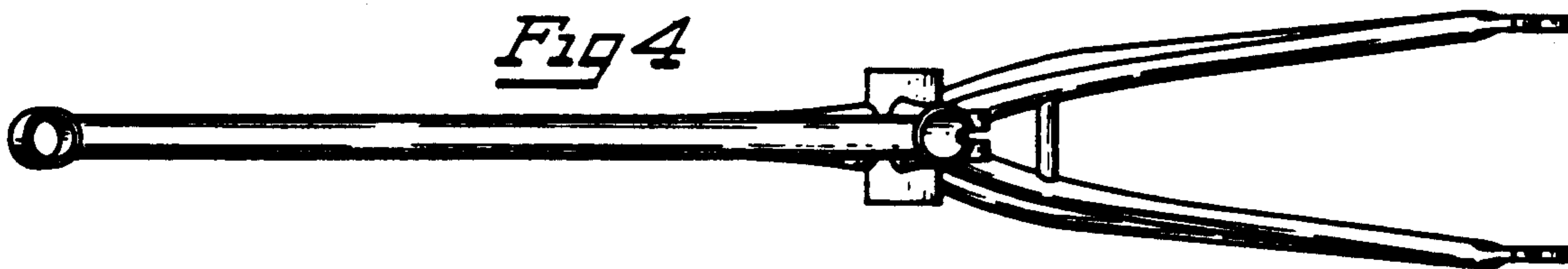
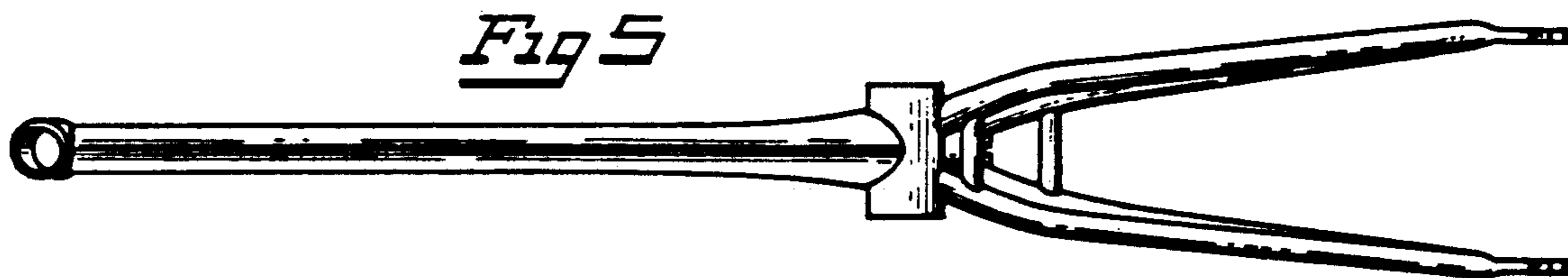


Fig 5



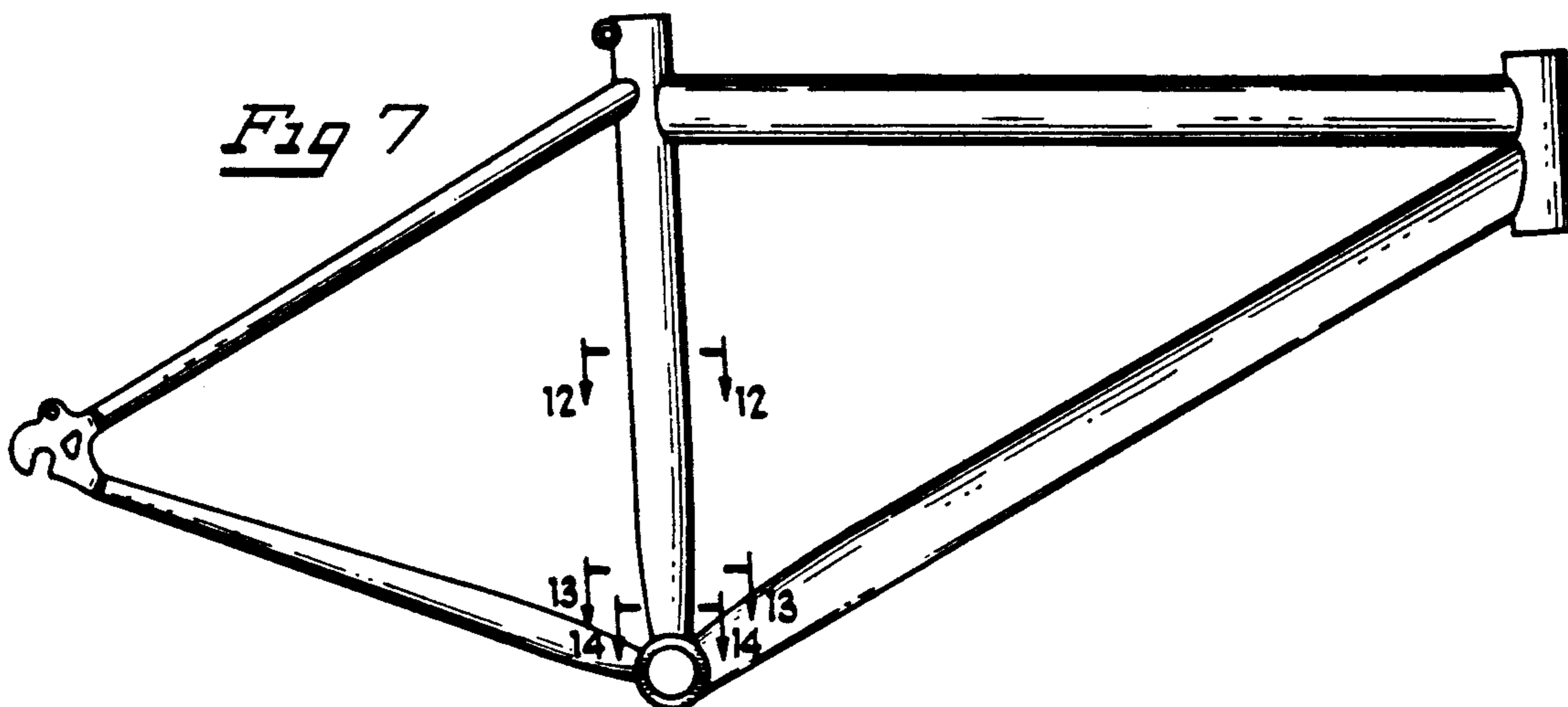
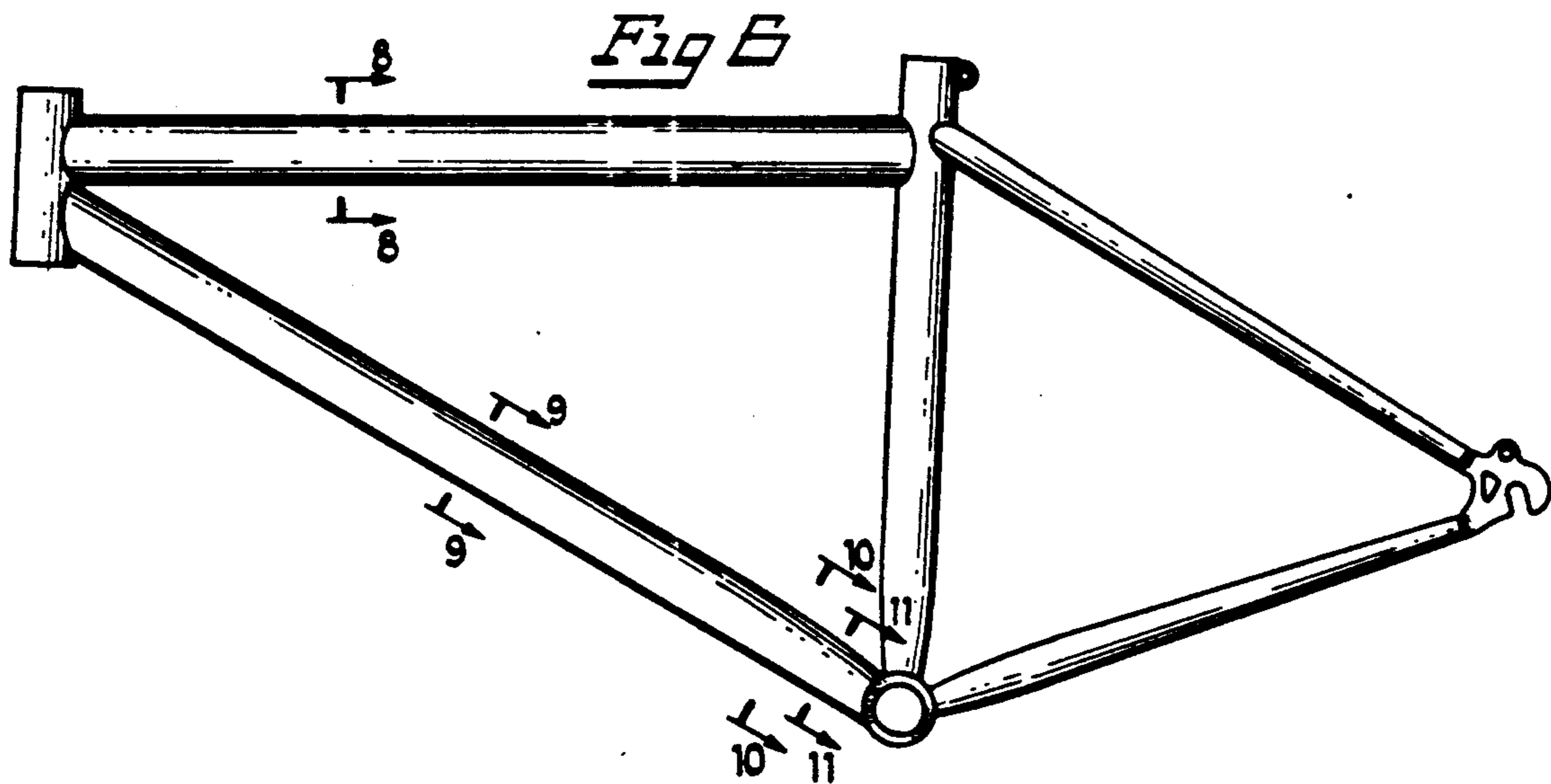


Fig 8 Fig 9 Fig 10 Fig 11 Fig 12 Fig 13 Fig 14

