

United States Patent [19]

Nakamoto

[11] Patent Number: Des. 283,543

[45] Date of Patent: ** Apr. 22, 1986

[54] NEEDLE EXTRACTOR

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[**] Term: 14 Years

[21] Appl. No.: 477,352

[22] Filed: Mar. 21, 1983

[30] Foreign Application Priority Data

Dec. 2, 1982 [JP] Japan 57-54363

[52] U.S. Cl. D24/27

[58] Field of Search D24/23, 26; 128/303 R,
128/321, 325, 340, 346; 254/28

[56] References Cited

U.S. PATENT DOCUMENTS

D. 273,130 3/1984 Green et al. D24/26

1,292,455 1/1919 Gray 128/321
2,863,459 12/1958 Casper 128/321

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[57] CLAIM

The ornamental design for a needle extractor, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a needle extractor showing my new design;

FIG. 2 is a side elevational view of the needle extractor;

FIG. 3 is a top plan view of the needle extractor;

FIG. 4 is a bottom plan view of the needle extractor;

FIG. 5 is a front elevational view of the needle extractor;

FIG. 6 is a rear elevational view of the needle extractor; and

FIG. 7 is an exploded view of the needle extractor.

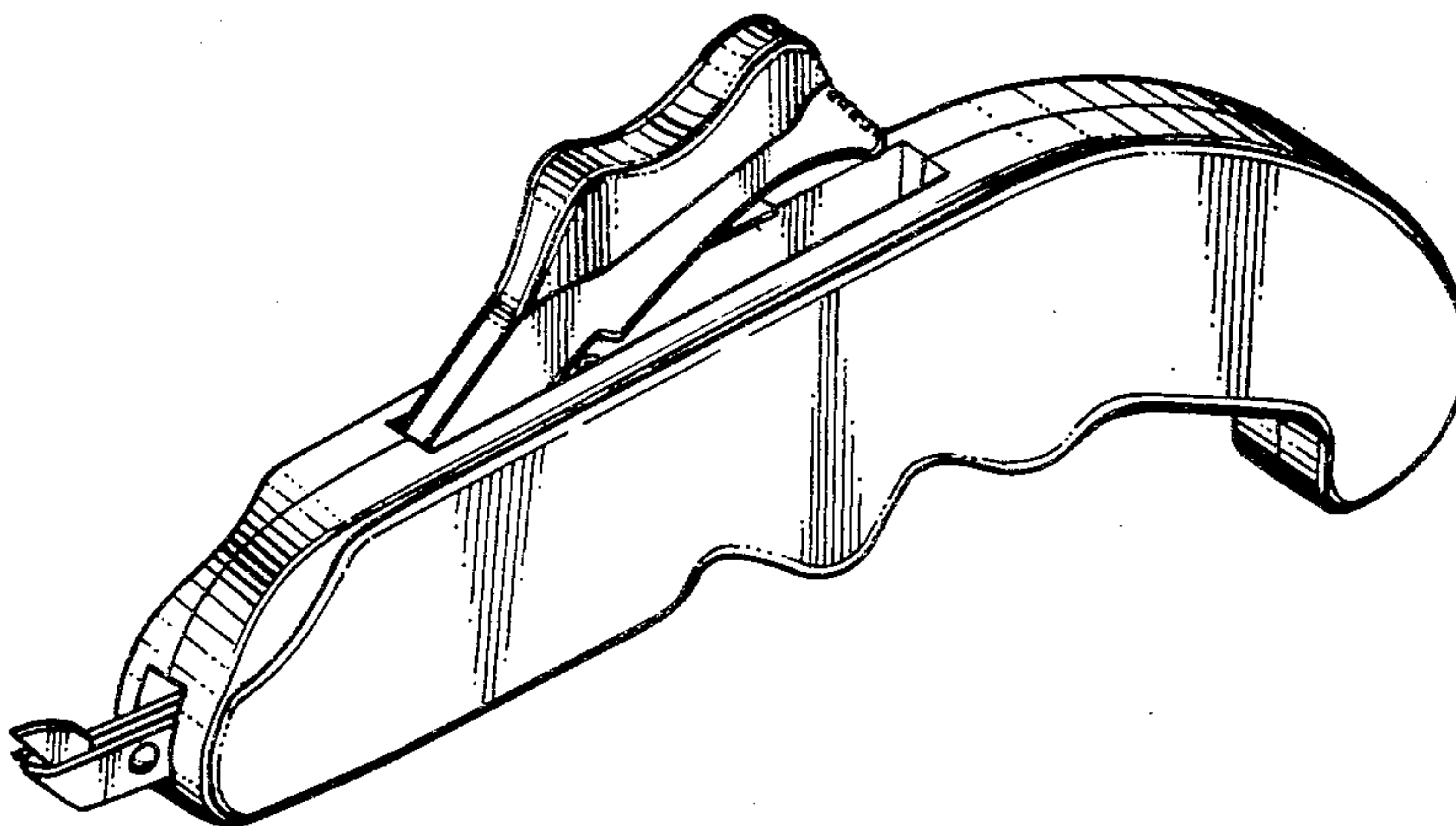


FIG. 1

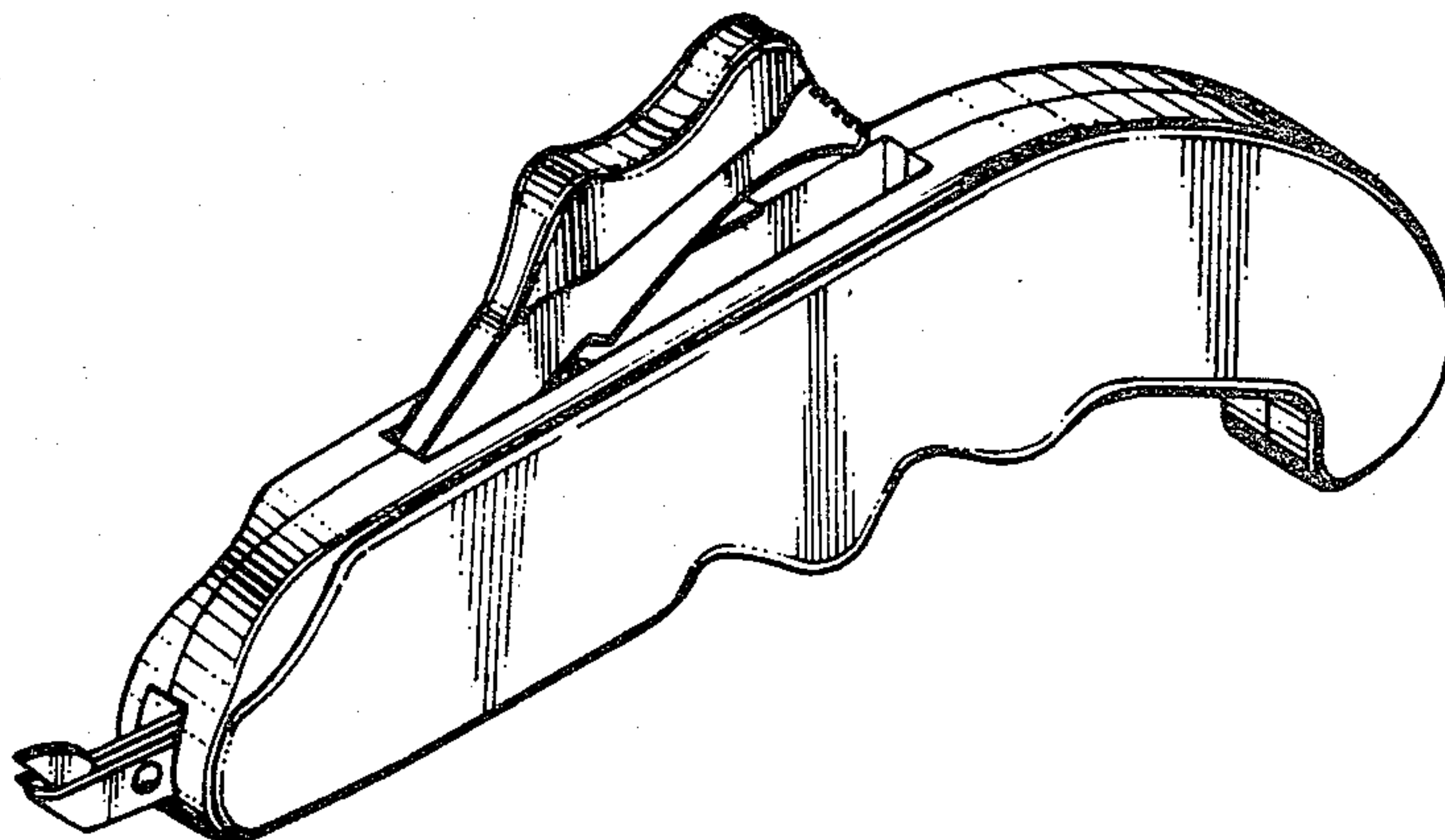


FIG. 5



FIG. 6



FIG. 3

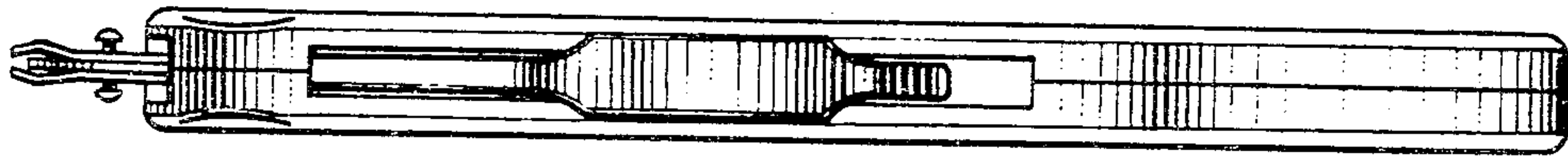


FIG. 2

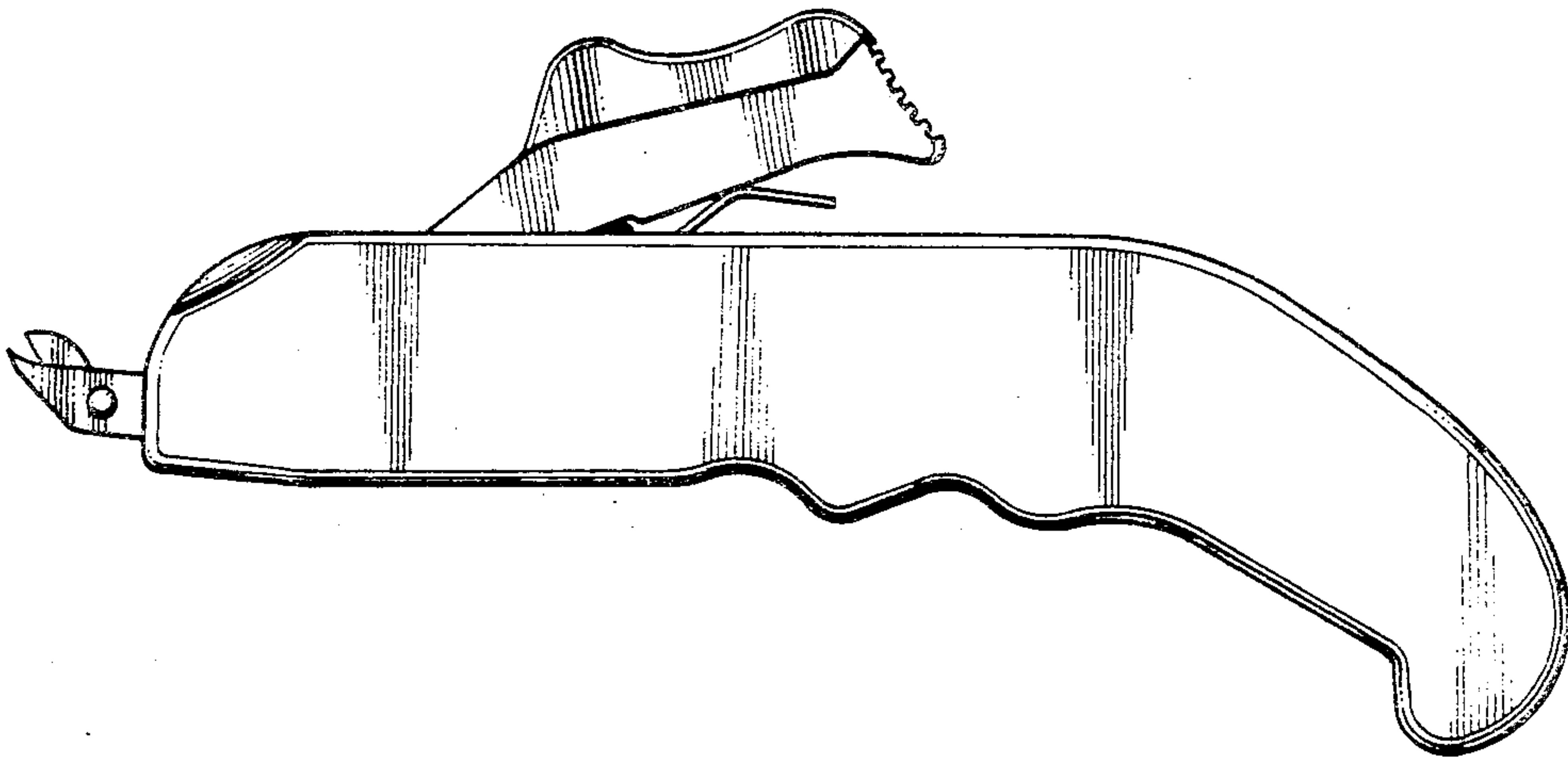


FIG. 4



FIG. 7

