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(12) **United States Plant Patent**
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- (54) **STRAWBERRY PLANT NAMED ‘PERSEPHENE’**
- (50) Latin Name: *Fragaria x ananassa*
Varietal Denomination: **Persephene**
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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
- (21) Appl. No.: **16/873,475**
- (22) Filed: **Apr. 17, 2020**
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Related U.S. Application Data

- (60) Provisional application No. 62/835,705, filed on Apr. 18, 2019.

- (51) **Int. Cl.**
A01H 5/08 (2018.01)
A01H 6/74 (2018.01)
- (52) **U.S. Cl.**
USPC **Plt./208**
CPC *A01H 6/7409* (2018.05)
- (58) **Field of Classification Search**
USPC Plt./156, 208
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- PP7,614 P 8/1991 Bringhurst et al.
- 2020/0337191 P1 10/2020 Larse
- 2020/0337193 P1 10/2020 Larse

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(57) **ABSTRACT**

The present invention provides a new and distinct strawberry variety designated as ‘Persephene’ (a.k.a. ‘110195’). The ‘Persephene’ cultivar is primarily adapted to growing conditions of the central coast of California and produces strong vigorous plants that remain in fruit production from March through October.

7 Drawing Sheets

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Latin name of the genus and species: *Fragaria x ananassa*.

Varietal denomination: ‘Persephene’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct strawberry variety designated as ‘Persephene’ (a.k.a. ‘110195’). ‘Persephene’ (a.k.a. ‘110195’) is the result of a controlled-cross between a female parent cultivar designated ‘108080’ and a male parent cultivar designated ‘107801’, and was first fruited in Watsonville, Calif. growing fields. Both parents are proprietary strawberry plant varieties made by the inventor and are not available to the public. Following selection and during testing, the plant was originally designated ‘110195’ and subsequently named ‘Persephene’.

This new variety was asexually reproduced via runners (stolons) by the inventor at Watsonville, Calif. Asexual propagules from the original source have been tested in Watsonville growing fields and to a limited extent, grower fields in high elevation. The properties of this variety were found to be transmissible by such asexual reproduction. This cultivar is stable and reproduce true to type in successive generations of asexual reproduction.

DESCRIPTION OF THE DRAWINGS

The accompanying color photographs depict various characteristics of the cultivar as nearly true as possible to make color reproductions. The age of the plants in FIGS. 1-7 is six months old.

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FIG. 1 shows ‘Persephene’ plant with florescence and fruit.

FIG. 2 shows ‘Persephene’ fruit.

FIG. 3 shows ‘Persephene’ fruit cross section.

FIG. 4 shows ‘Persephene’ flowers.

FIG. 5 shows ‘Persephene’ leaf.

FIG. 6 shows ‘Persephene’ underside leaf.

FIG. 7 shows ‘Persephene’ petiole.

SUMMARY OF THE INVENTION

This invention relates to a new and distinctive strawberry cultivar designated as ‘Persephene’ (a.k.a. ‘110195’). This cultivar is primarily adapted to the climate and growing conditions of the central coast of California. This region provides the necessary temperatures required for it to produce a strong vigorous plant and to remain in fruit production from March through October. The nearby Pacific Ocean provides the needed humidity and moderate day temperatures and evening chilling to maintain fruit quality for the production months.

The following traits and photographs in combination distinguish the strawberry variety ‘Persephene’ from known strawberry varieties. Plants for the botanical measurements in the present application were grown as annuals. Any color references are made to The Royal Horticultural Society Colour Chart, 1995 Edition, except where general terms of ordinary dictionary significance are used. The age of the plants in Table 1 is seven months old.

TABLE 1-continued

Characteristics of Persephene		
Characteristic Type	Characteristic	Persephene
	Texture when tasted	medium
	Time of flowering	May
	Time of fruit ripening	June
	Harvest maturity (50% of plants with ripe fruit)	June
	Type of bearing	day neutral
	Grams of fruit per plant (weeks 17 to 37)	1468 g
	Yield (lb per acre)	June: 30,000 lb/acre
	Firmness	firm
	Surface Texture	smooth
	Fruit Appearance (1-7 scale; 7 = best)	6
	Storage longevity	10 days
	Mean percent marketable fruit (weeks 17 to 37)	86%
Horti-cultural	Crop suitability	Fresh market
	Temperature tolerance range	-1° C. to 36° C.
	USDA Hardiness Zone adaptability for annual transplanting of California grown commercial rootstock	6a,6b,7a,7b, 8a,8b,9a,9b
	Cull rate (% Usable)	12%

'Seascape' (U.S. Plant Pat. No. 7,614) is a commercial strawberry variety that is similar to, but distinguished from 'Persephene'. The foliage of the new strawberry plant variety 'Persephene' was observed to be more dense than the

foliage of the check variety 'Seascape'. The florescence of the new variety 'Persephene' pollinates beyond the canopy and differs in this way from 'Seascape'. Some of the flowers of the comparison strawberry variety 'Seascape' do not extend beyond the leaf canopy and some of the fruit of 'Seascape' ripens beneath the canopy. The new variety 'Persephene' is easier to harvest than the check variety 'Seascape'. The fruit color of check variety 'Seascape' is deeper red than the fruit color of new variety 'Persephene'. The yield and percent of marketable fruit of 'Persephene' is greater the yield and percent marketable fruit of 'Seascape'.

The strawberry plant 'Persephene' is differs from each of its parents. The fruit of new variety 'Persephene' is conic shaped, however, the fruit of both of the parents of 'Persephene' are long-conic with the ratio of fruit height to fruit width greater than that of 'Persephene'. The fruit of 'Persephene' is firmer than the fruit of its female parent '107801'. The fruit yield of 'Persephene' is similar to the fruit yield of female parent '107801', however, the fruit yield of 'Persephene' is greater than the fruit yield of male parent '108080' and the percent of marketable fruit produced by 'Persephene' is greater than that of both female parent '107801' and male parent '108080'. The fruit of 'Persephene' is larger than the fruit of male parent '108080'. The strawberry plant 'Persephene' is larger than its male parent '108080'.

The invention claimed is:

1. A new and distinct cultivar of strawberry plant named 'Persephene' substantially as shown and described herein.

* * * * *



Fig. 1

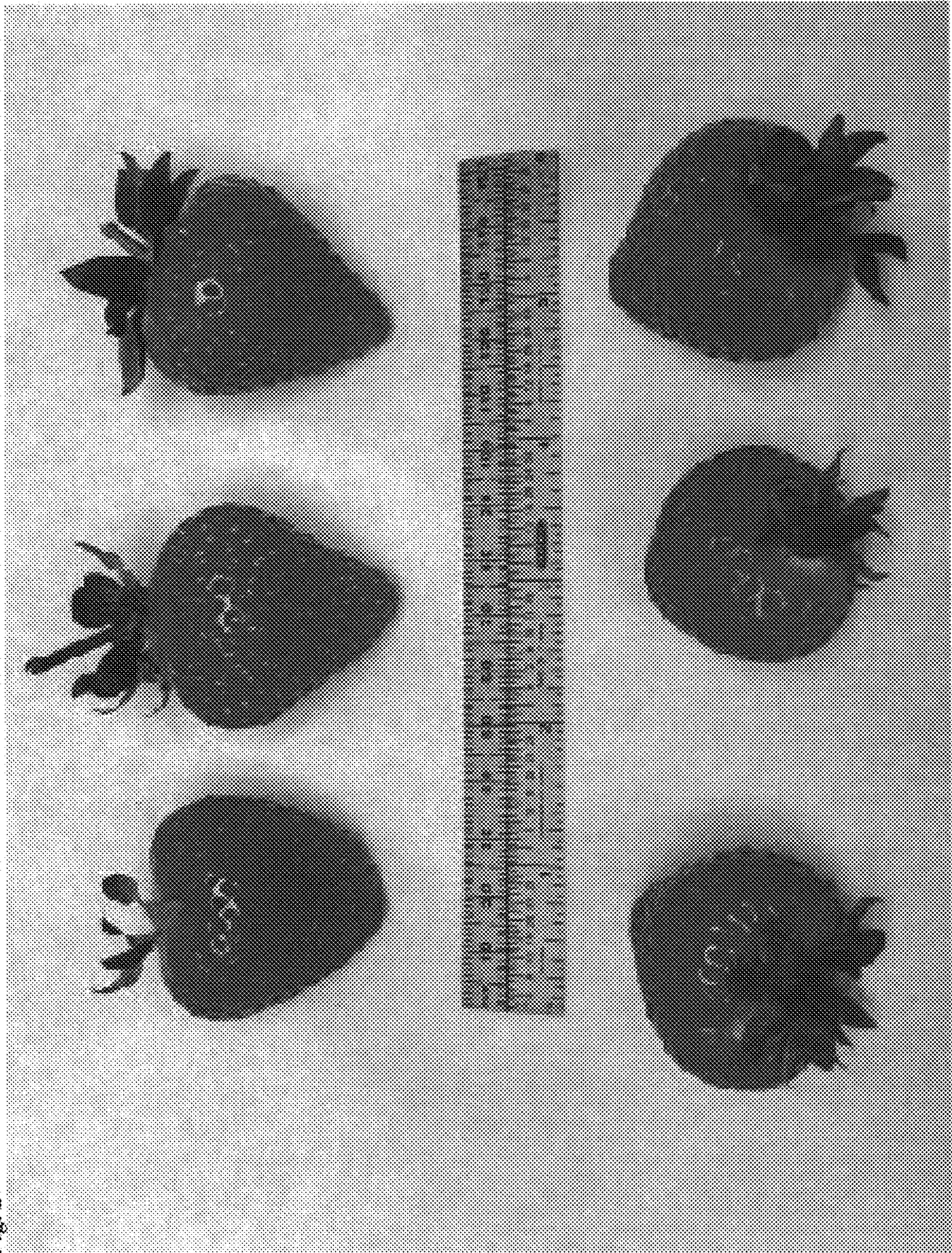


Fig. 2

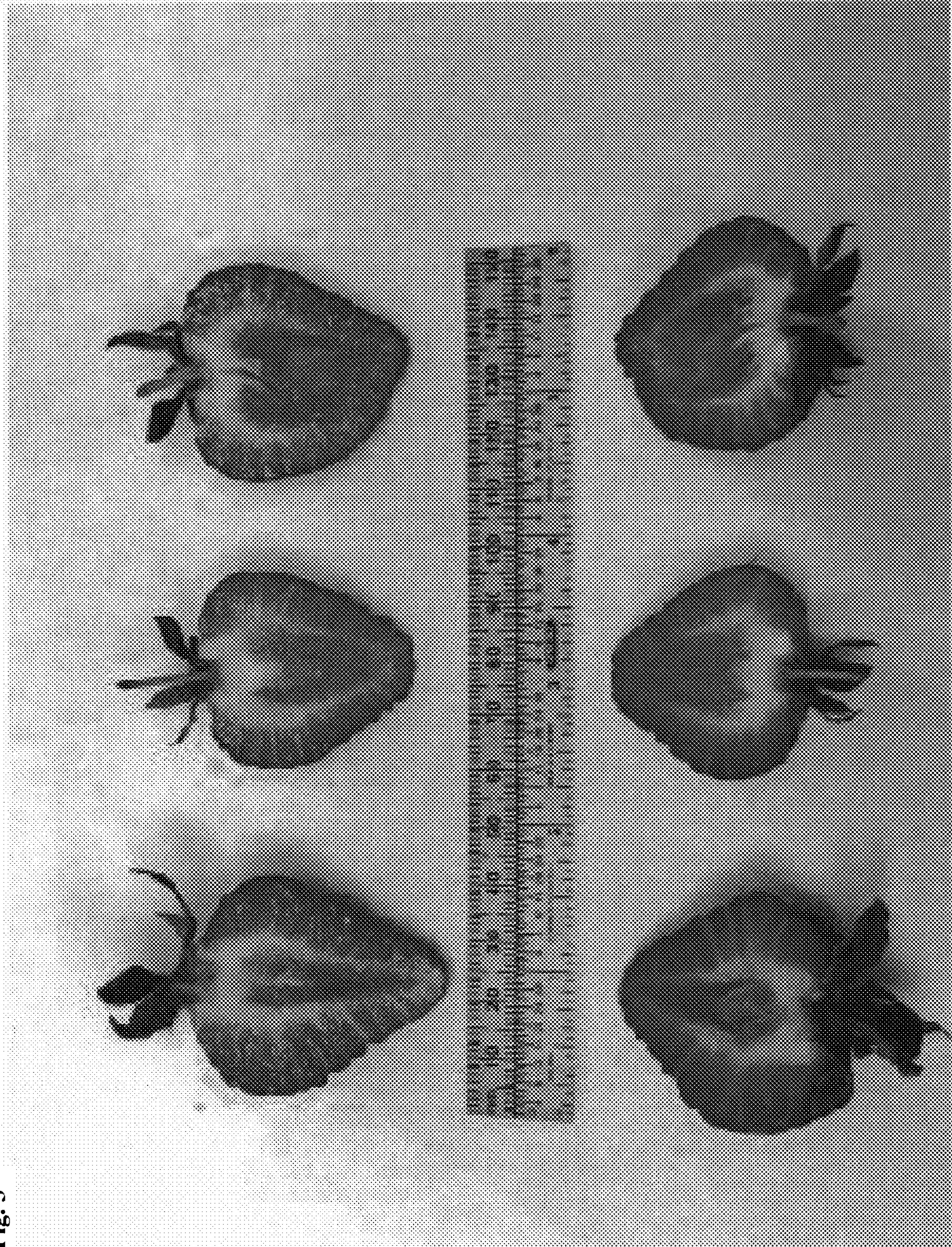


Fig. 3

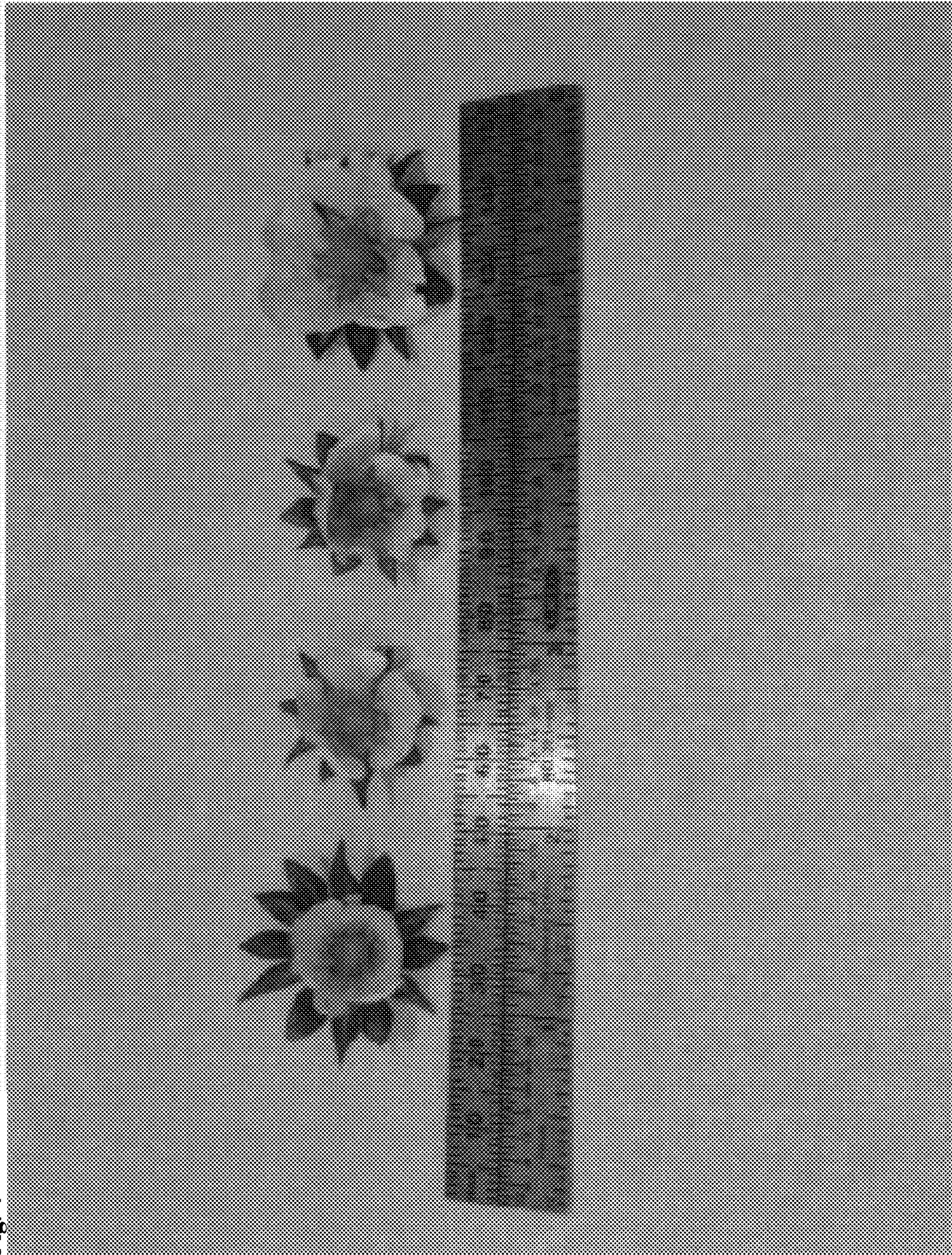


Fig. 4

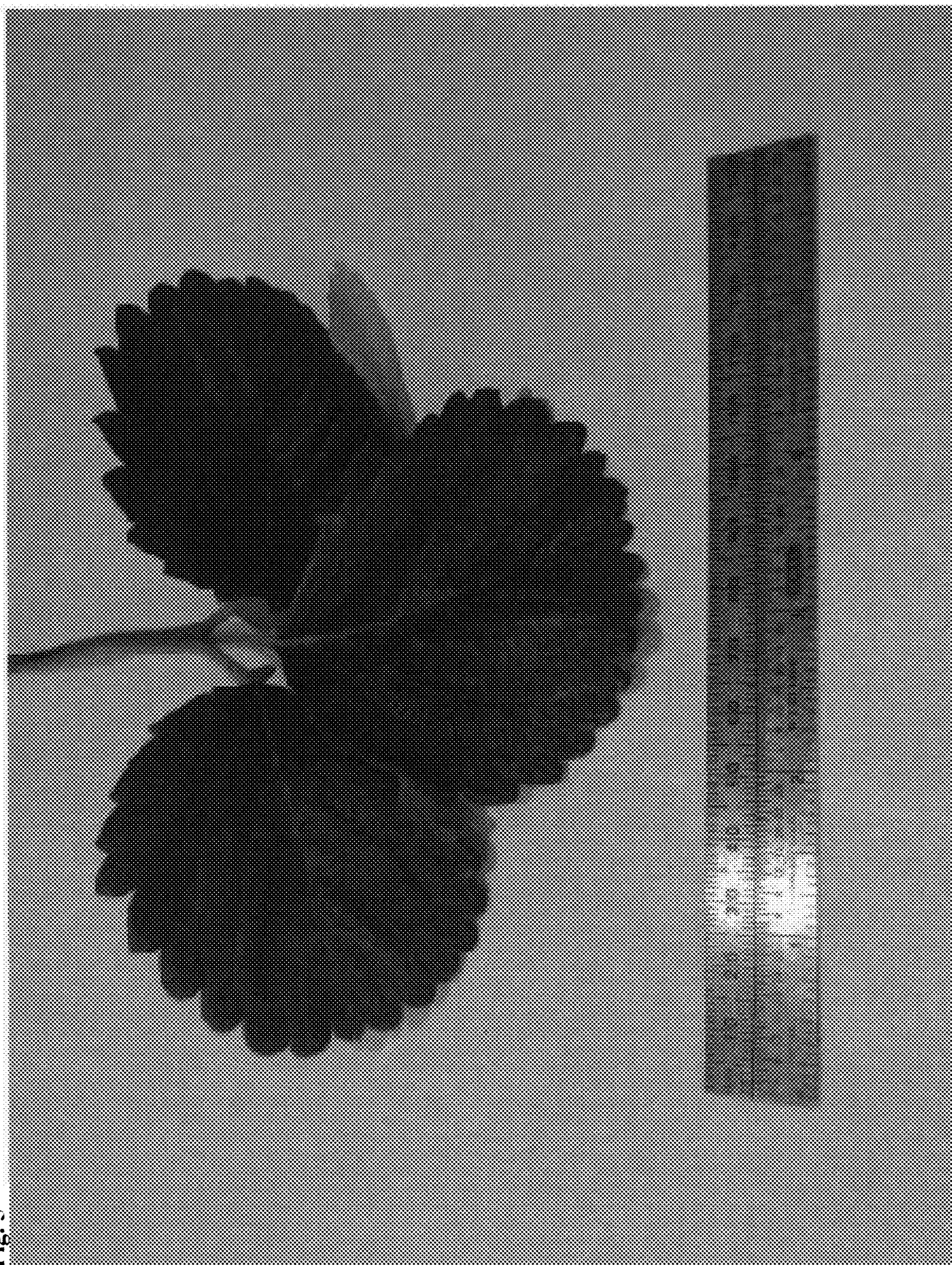


Fig. 5

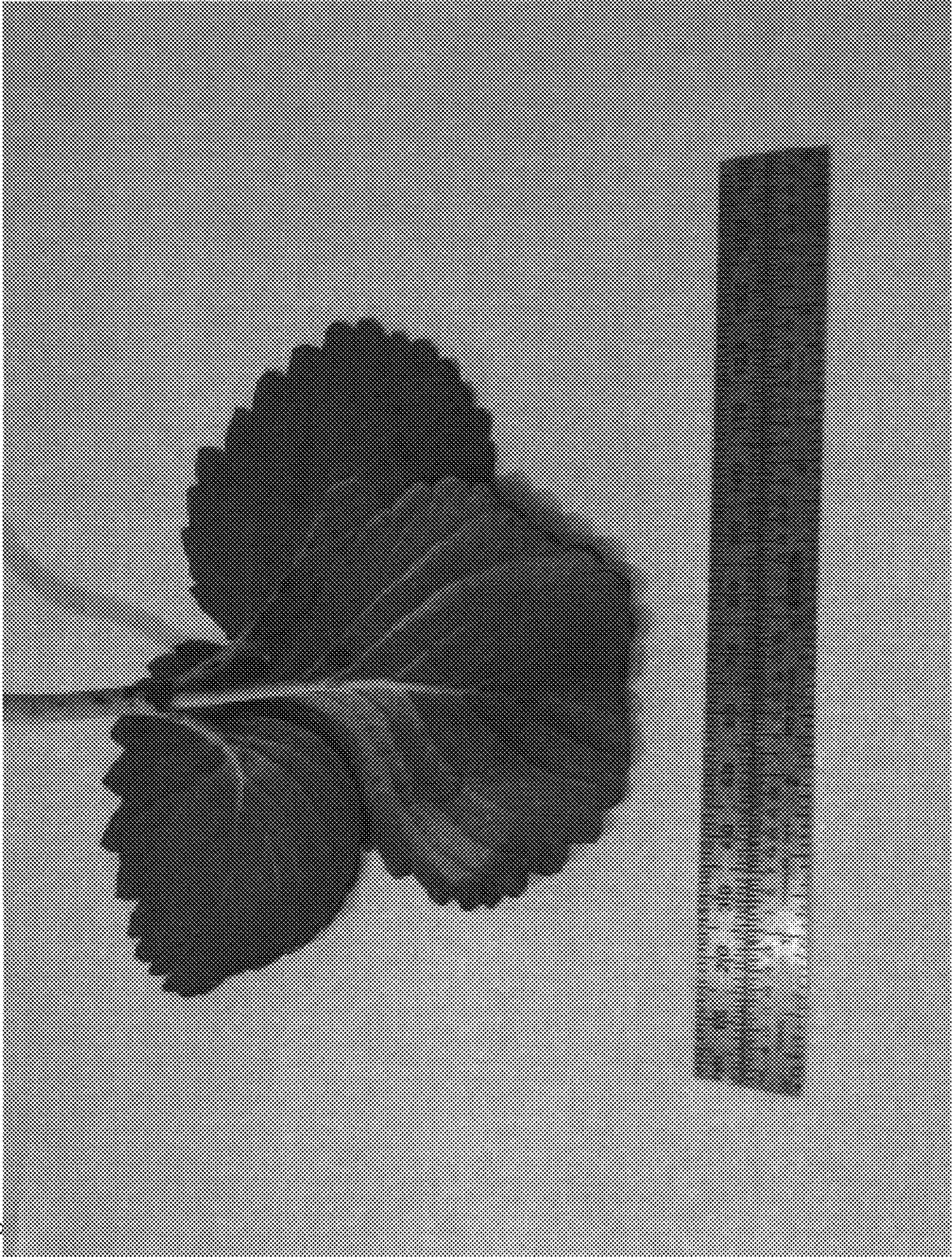


Fig. 6

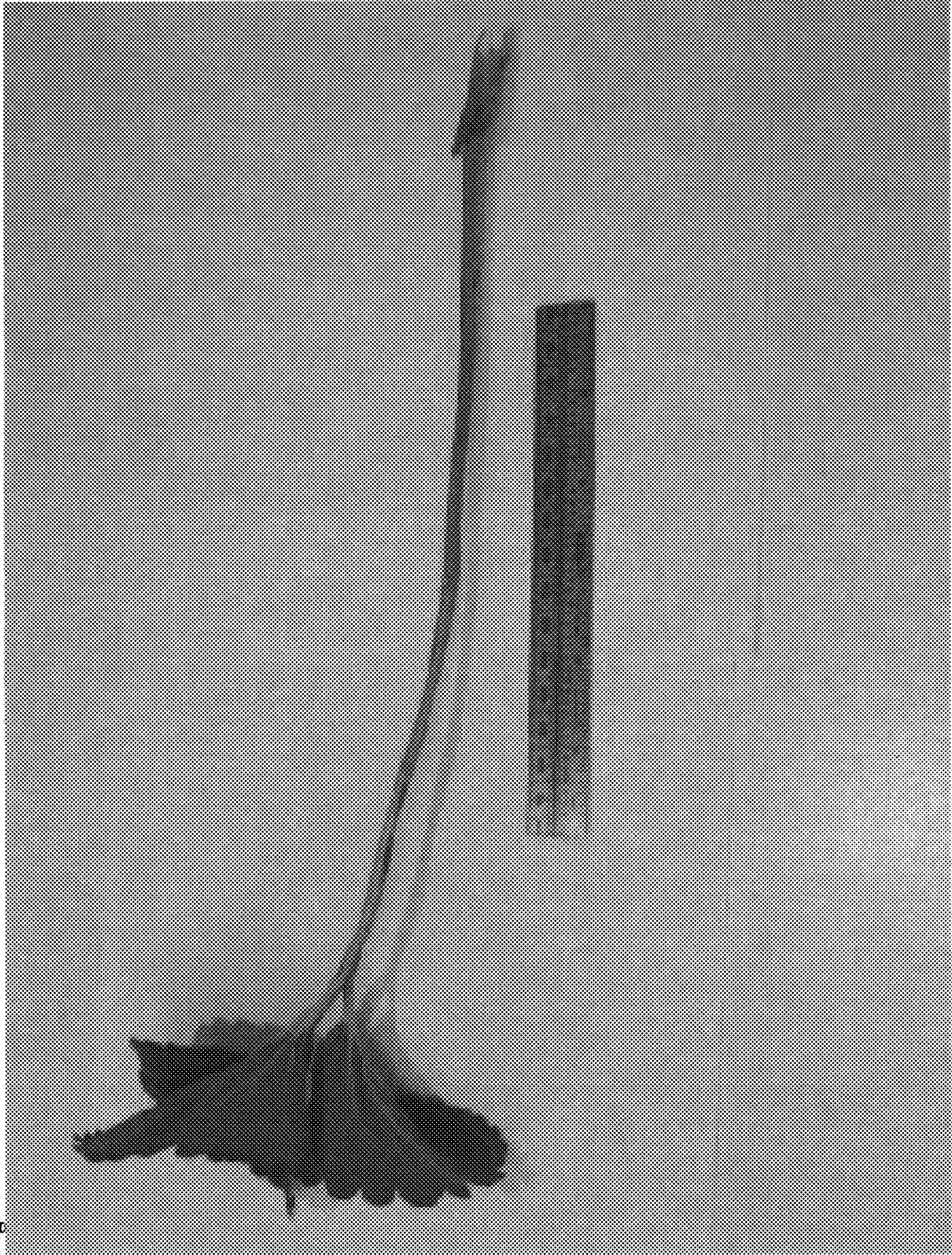


Fig. 7