No. 7300086

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Rogers Brothers Company

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF seventeen YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

PEA

'Cameo'

In Testimony Whereof, *I have hereunto set my hand and caused the seal of the* Plant Variety Protection Office *to be affixed at the City of* Washington *this* 9th *day of* May *in the year of our Lord one thousand nine hundred and* seventy-four

Attest:

Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

Secretary of Agriculture

FORM GR-470
(12-15-72)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782

FORM APPROVED
OMB NO. 40-R3712

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: *See Reverse.*

1. VARIETY NAME OR TEMPORARY DESIGNATION CAMEO	2. KIND NAME Garden Pea	FOR OFFICIAL USE ONLY PV NUMBER
3. GENUS AND SPECIES NAME PISUM SATIVUM	4. FAMILY NAME *(Botanical)* Leguminosae	FILING DATE / TIME A.M. P.M.
	5. DATE OF DETERMINATION July 1964	FEE RECEIVED $ / $ / $ / BALANCE DUE $ / $ / $
6. NAME OF APPLICANT(S) ROGERS BROTHERS COMPANY	7. ADDRESS *(Street and No. or R.F.D. No., City, State, and ZIP Code)* Rogers Brothers Company 3100 Rollandet P.O. Box 2188 Idaho Falls, Idaho 83401	8. TELEPHONE AREA CODE AND NUMBER
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: *(Corporation, partnership, association, etc.)* CORPORATION	10. STATE OF INCORPORATION DELAWARE	11. DATE OF INCORPORATION 1958

12. Name and mailing address of applicant representative(s), if any, to serve in this application and receive all papers:

John Kurzenhauser, Administrative Assistant
Rogers Brothers Company
P. O. Box 2188
Idaho Falls, Idaho 83401

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- [X] 13A. Exhibit A, Origin and Breeding History of the Variety *(See Section 52 of the Plant Variety Protection Act.)*
- [X] 13B. Exhibit B, Botanical Description of the Variety
- [X] 13C. Exhibit C, Objective Description of the Variety
- [X] 13D. Exhibit D, Data Indicative of Novelty
- [X] 13E. Exhibit E, Statement of the Basis of Applicant's Ownership

14A. Does the applicant(s) specify that seed of this variety be sold by variety name only as a class of certified seed? *(See Section 83(a). (If "Yes," answer 14B and 14C below.)* [ ] YES [X] NO

14B. Does the applicant(s) specify that this variety be limited as to number of generations? [ ] YES [ ] NO

14C. If "Yes," to 14B, how many generations of production beyond breeder seed? [ ] FOUNDATION [ ] REGISTERED [ ] CERTIFIED

The applicant declares that a viable sample of basic seed of this variety will be deposited upon request before issuance of a certificate and will be replenished periodically in accordance with such regulations as may be applicable.

The undersigned applicant(s) of this sexually-reproduced novel plant variety believes that the variety is distinct, uniform, and stable as required in Section 41 and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant is informed that false representation herein can jeopardize protection and result in penalties.

April 16, 1973
(DATE) (SIGNATURE OF APPLICANT)

(DATE) (SIGNATURE OF APPLICANT)

INSTRUCTIONS

GENERAL: Send an original copy of the application, exhibits and $250.00 fee to U.S. Dept. of Agriculture, Agricultural Marketing Service, Grain Division, 6525 Belcrest Road, Hyattsville, Maryland 20782. (See Section 180.175 of the regulations and rules of practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

5 Insert the date the applicant determined that he had a new variety based on the definition in Section 41 (a) of the Act and decision is made to increase the seed.

13a First, give the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method. Second, give the details of subsequent stages of selection and multiplication. Third, indicate the type and frequency of variants during reproduction and multiplication and state how these variants may be identified. Fourth, provide evidence on stability.

13b First, give any special characteristics of the seed and of the plant as it passes through the seedling stage, flowering stage and the fruiting stage. Second, describe the mature plant and compare it with a similar commercial variety grown under the same conditions, and indicate the differences.

13c A supplemental form will be furnished by the PVPO to describe in detail a variety for each kind of seed.

13d Provide complete data indicative of novelty. Seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty may be submitted. Seeds submitted may be sterile.

13e Indicate whether applicant is the actual breeder, the employer of the breeder, the owner through purchase or inheritance, etc.

FORM CPV-470
(12-16-72)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782

FORM APPROVED
OMB NO. 40-R1712

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

1. VARIETY NAME OR TEMPORARY DESIGNATION: CAMEO	2. KIND NAME: Garden Pea	FOR OFFICIAL USE ONLY PV NUMBER 73086
3. GENUS AND SPECIES NAME: PISUM SATIVUM	4. FAMILY NAME (Botanical): Leguminosae 5. DATE OF DETERMINATION: July 1964	FILING DATE 4-23-73 TIME 9:30 A.M. FEE RECEIVED $ 250.00 BALANCE DUE $ 0.00
6. NAME OF APPLICANT(S): ROGERS BROTHERS COMPANY	7. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code): Rogers Brothers Company 3100 Rollandet P. O. Box 2188 Idaho Falls, Idaho 83401	8. TELEPHONE AREA CODE AND NUMBER: 208-522-0110
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION (Corporation, partnership, association, etc.): CORPORATION	10. STATE OF INCORPORATION: DELAWARE	11. DATE OF INCORPORATION: 1958

12. Name and mailing address of applicant representative(s), if any, to serve in this application and receive all papers:

John Kurzenhauser, Administrative Assistant
Rogers Brothers Company
P. O. Box 2188
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14B. Does the applicant(s) specify that this variety be limited as to number of generations? [ ] YES [ ] NO

14C. If "Yes," to 14B, how many generations of production beyond breeder seed? [ ] FOUNDATION [ ] REGISTERED [ ] CERTIFIED

The applicant declares that a viable sample of basic seed of this variety will be deposited upon request before issuance of a certificate and will be replenished periodically in accordance with such regulations as may be applicable.

The undersigned applicant(s) of this sexually-reproduced novel plant variety believes that the variety is distinct, uniform, and stable as required in Section 41 and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant is informed that false representation herein can jeopardize protection and result in penalties.

April 16, 1973
(DATE)

John Kurzenhauser
(SIGNATURE OF APPLICANT)

(DATE)

(SIGNATURE OF APPLICANT)

CAMEO (Alaska #6441)

Garden Pea

EXHIBIT 12A

ORIGIN AND BREEDING HISTORY OF THE VARIETY

CAMEO was developed by Rogers Brothers Company from a cross between Star and K 235-35 in an effort to develop an improved, small-sieve Alaska type pea. Star is a new double-podded Alaska type pea, with relatively small berries. K 235-35 was a small seeded Alaska pea with some double pods.

The original cross was made in 1960. Two single plant selections were made in 1961 in the F_2 generation. One of these selections had some triple-pod peduncles in the third generation, and four single plant selections were made in this line. Two of these selections exhibited some triple pods in the fourth generation, and one was selected as outstanding for uniformity, yield, small sieve size berries, and slightly more determinate vine type in the fifth generation.

From this line, four singles were selected in the sixth generation, and two of these were increased to seed stock proportions by 1971.

CAMEO is an early, small sieve Alaska type pea, with slightly shorter vine than #423 Alaska. The vine type averages about 28 inches over a period of years. Pods are borne in pairs or triples, the percentage of triples being influenced by environmental conditions.

CAMEO (Alaska #6441)

Garden Pea

EXHIBIT 12A (Supplement)

ORIGIN AND BREEDING HISTORY OF THE VARIETY

The variety CAMEO has typically produced a quite uniform plant population since the original selection was increased in 1964. During the past ten years, and under Idaho growing conditions, vine height has ranged between 21 inches and 31 inches, with 24 inches being the most representative. First blossom has quite consistently developed on the ninth or tenth node. The triple pod trait has been somewhat variable, with a range of from 10 percent of the nodes in some selections having triple pods to as high as 40 percent with triple pods in others. Our selections have always favored those having the highest percentage of triple pods per node. In 1968, a selection was made that had pods which were not formed as tightly around the seeds as some of the previous selections. Another selection that was made in 1968 was one day earlier and had a two inch shorter vine than was typical of the variety, but was discarded because it lacked uniformity.

Albino plants have occurred at a frequency of approximately one plant in ten-thousand in certain selections, but these have been discarded in favor of lines having a lower albino count. Albinos are identified by their yellow to white color caused by a lack of chlorophyl.

Many trial size plantings of CAMEO have been made during the past five years, and we have not, to my knowledge, received reports that would indicate a lack of stability in the variety. In addition, only those pure lines that are most typical of the variety and are uniform, are increased for our production seed stock.

CAMEO (Alaska #6441)

Garden Pea

EXHIBIT 12B

BOTANICAL DESCRIPTION OF THE VARIETY

Under Southern Idaho conditions, CAMEO is an early Alaska type pea with a 28 inch, determinate type vine. The vine is mostly non-branching with the first blossom setting on the ninth to tenth node. CAMEO is almost entirely multiple podded, commonly producing about 65 percent double pods and 20 percent triple. The pods are two (2) to two and one-fourth (2 1/4) inches (5.0 to 5.6 cm.) long, 7/16 inches (11.4 mm) wide, and 7/16 inches (11.7 mm) in depth, and typically have 5 to 6 berries per pod. The berries are very small with an average sieve size of 2.63. CAMEO has smooth, round seeds, that are pale green in color and have a green cotyledon.

PV No. 73086
PEA - "CAMEO"

13 D

EXHIBIT D

"CAMEO" MOST CLOSELY RESEMBLES "DOT." "CAMEO" HAS A 5-10 cm SHORTER VINE AND PRODUCES UP TO 40 PERCENT TRIPLE PODS WHEREAS "DOT" IS PREDOMINANTLY DOUBLE-PODDED WITH SOME SINGLES. "CAMEO" SEEDS ARE LARGER THAN THOSE OF "DOT," AVERAGING 10 PERCENT FEWER SEEDS IN THE FIRST THREE SIEVE SIZES WHEN HARVESTED GREEN. THE AVERAGE DRY SEED COUNT OF DOT IS 3,900 PER POUND COMPARED TO 2,900 PER POUND FOR CAMEO. THERE IS MORE UNIFORMITY IN THE DRY SEED SIZE OF CAMEO.

CAMEO (Alaska #6441)

Garden Pea

EXHIBIT 12E

STATEMENT OF THE BASIS OF APPLICANT'S OWNERSHIP

CAMEO was bred and developed by Dr. M. E. Anderson, Plant Breeder for Rogers Brothers Company, and is the property of Rogers Brothers Company.