No. 7500046

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Rogers Brothers Seed 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.)

PLANT VARIETY PROTECTION OFFICE · U.S. DEPARTMENT OF AGRICULTURE

PEA

'Canjoy'

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* 24th *day of* November *in the year of our Lord one thousand nine hundred and* seventy-five

Attest:

Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

Earl L. Butz
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 CANJOY	2. KIND NAME Garden Pea	FOR OFFICIAL USE ONLY PV NUMBER 7500046
3. GENUS AND SPECIES NAME Pisum sativum	4. FAMILY NAME *(Botanical)* Leguminosea	FILING DATE 1·10·75 / TIME 4 P.M.
	5. DATE OF DETERMINATION January 1975	FEE RECEIVED $ 250.00 / $ 250.00 / $ 250.00 / 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 P. O. Box 2188 3100 Rollandet 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.)*	10. STATE OF INCORPORATION	11. DATE OF INCORPORATION
CORPORATION	DELAWARE	1958

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

Charles Green, 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.

January 2, 1975
(DATE)

Charles Green
(SIGNATURE OF APPLICANT)

(DATE)

(SIGNATURE OF APPLICANT)

FORM GR-470 (REVERSE)

8/1

RECEIVED
JAN 10 1975
U.S. DEPARTMENT OF AGRICULTURE
AMS, GRAIN DIV.
PVPO

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.

7500046

CANJOY

Garden Pea

EXHIBIT A

Origin and Breeding History of the Variety

CANJOY, A Perfection type canner, originated from an original series of crosses with Barton's #16, which was resistant to pea enation virus and powdery mildew. The original hand-pollinated cross was made in 1957.

Following the usual increase of segregating populations, single plant selections were made and increased through successive generations. During the summer of 1967, 8 ounces of seed were harvested from a single plant increase from plot 671351, and a single plant selection was made at the same time. During the 1968 season, the 9 ounce planting was increased to four pounds and 2½ ounces of seed were harvested from the single plant selection increase. At the same time, the seed increase was harvested from the varietal observation plots and bulked with the four pound increase which was from the same parentage. This bulk sample was increased through 1970 when 2,678 pounds of seed were harvested and released as seed stock to our production department for further seed increase and for area of adaptability, production and canning trials.

In 1969, two selections that were about one day earlier were made. One of these produced slightly larger pods in the subsequent generation and was discarded. The other selection was increased to become the number one pureline and is currently our production strain.

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CANJOY

EXHIBIT A - SUPPLEMENT

Frequency of Variants

The only variants observed in the pea variety CANJOY have been albino plants at a frequency of approximately one albino per 16,000 plants. These plants are characterized by the conspicuous absence of chlorophyl and since they do not have chlorophyl, this off-type is self eliminating.

Sterile plants occurred in one pure line selection at a frequency of one sterile per 600 plants, and this selection has been discarded.

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CANJOY

Garden Pea

EXHIBIT B

Botanical Description of the Variety

CANJOY is a late Perfection canner that is two to three days later than Medalist and similar to Perfection Canner #326 season. It has an average sieve size of 3.65 and a vine height of 76 cm, which is comparable to Medalist. CANJOY produces 75% or more double pods and yields have typically been 80% or more of the standard large sieved Perfection types (Dark Skin Perfection, etc.), which is considered to be quite good for a variety in this sieve size category. The vine and pod set of CANJOY are quite determinate, yet the holding quality is very good. In addition to the common wilt, (Fusarium Race #1) and Powdery Mildew resistance, there have been reports of better than average root rot tolerance. The canned quality of CANJOY has been consistently good. CANJOY generally blossoms on the 16th node, however, variations from 15th to 17th node have been observed.

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CANJOY

EXHIBIT D - SUPPLEMENT

Data Indicative of Novelty

CANJOY most closely resembles Medalist except, it is two days later in canning maturity and is Powdery Mildew resistant.

7500046

CANJOY

EXHIBIT E

STATEMENT OF APPLICANT'S OWNERSHIP

Rogers Brothers Company, P. O. Box 2188, Idaho Falls, Idaho believes it the sole, original and first breeder of the "CANJOY" variety of "Garden Pea" for which it solicits a Certificate of protection.

FORM APPROVED. OMB NO. 40-R3712

FORM GR-470-14
(5-15-74)

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

EXHIBIT C
(Pea)

OBJECTIVE DESCRIPTION OF VARIETY

PEA *(PISUM SATIVUM)*

NAME OF APPLICANT(S)
ROGERS BROTHERS COMPANY

ADDRESS *(Street and No. or R.F.D. No., City, State, and ZIP Code)*
P. O. Box 2188
Idaho Falls, Idaho 83401

VARIETY NAME OR TEMPORARY DESIGNATION
Canjoy

FOR OFFICIAL USE ONLY
PVPO NUMBER
7500046

Place the appropriate number that describes the varietal character in the boxes below.
Place a zero in first box (e.g. [0 8 9] or [0 9]) when number is either 99 or less or 9 or less.

1. TYPE:

[1] 1 = GARDEN 2 = FIELD 3 = EDIBLE-PODDED

2. MATURITY:

[1 6] Node number of first bloom: [0 7 0] No. of days to processing [1 7 7 2] Heat Units

[ ] No. of days *Earlier* than . . . [ ] 1 = ALASKA WR 2 = THOMAS LAXTON WR 3 = LITTLE MARVEL

[0 5] No. of days *Later* than . . . . [4] 4 = WANDO 5 = ALDERMAN WR 6 = AUSTRIAN WINTER

3. PLANT HEIGHT:

[0 7 6] CM. HIGH

[0 5] Cm. *Shorter* than . . . . . [2] 1 = ALASKA WR 2 = THOMAS LAXTON WR 3 = LITTLE MARVEL

[0 5] Cm. *Taller* than . . . . . [4] 4 = WANDO 5 = ALDERMAN WR 6 = AUSTRIAN WINTER

4. VINE:

[1] Habit: 1 = DETERMINATE 2 = INDETERMINATE [2] Stockiness: 1 = SLIM (Alaska) 2 = MEDIUM (Thomas Laxton WR) 3 = HEAVY (Alderman)

[2] Branching: 1 = NONE (Alaska) 2 - 1–2 BRANCHES (Little Marvel) 3 = MORE THAN 2 BRANCHES (Dwarf Gray Sugar

[1] Internodes: 1 = STRAIGHT 2 = ZIG ZAG [2 2] NUMBER OF NODES

5. LEAFLETS:

[3] Color: 1 = LIGHT GREEN (Alaska WR) 2 = MED. GREEN (Thomas Laxton WR) 3 = DARK GREEN (Alderman) 4 = OTHER (Specify)

[2] Wax: 1 = NONE 2 = LIGHT 3 = MEDIUM 4 = HEAVY [1] 1 = NOT MARBLED 2 = MARBLED (Alaska)

[4] Number of leaflet pairs: 1 = NOT PAIRED 2 = ONE 3 = TWO 4 = THREE OR MORE

6. STIPULES:

[2] 1 = LACKING 2 = PRESENT [2] 1 = NOT CLASPING 2 = CLASPING

[1] 1 = NOT MARBLED 2 = MARBLED [3] Size (Compared with leaflets): 1 = SMALLER 2 = SAME 3 = LARGER

[2] Color (Compared with leaflets): 1 = LIGHTER 2 = SAME 3 = DARKER

7. FLOWER COLOR:

[2] VENATION [1] STANDARD [1] WING [2] KEEL } 1 = WHITE 2 = GREENISH 3 = LAVENDER 4 = PURPLE 5 = RED 6 = OTHER (Specify) 5

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8. PODS:

[1] Shape: 1 = STRAIGHT 2 = SLIGHTLY CURVED 3 = CURVED

[2] End: 1 = POINTED (Alderman) 2 = BLUNT (Alaska)

[2] Color: 1 = LIGHT GREEN (Alaska WR) 2 = MEDIUM GREEN 3 = DARK GREEN (Alderman) 4 = OTHER (Specify) _____

[1] Surface: 1 = SMOOTH 2 = ROUGH

[2] Surface: 1 = SHINY 2 = DULL

[2] Borne: 1 = SINGLE 2 = DOUBLE 3 = SINGLE AND DOUBLE 4 = SINGLE, DOUBLE, & TRIPEE 5 = DOUBLE & TRIPLE 6 = TRIPLE 7 = OTHER (Specify) _____

[0 7] CM. LENGTH

[1 3] MM. WIDTH (Between sutures)

[0 7] NO. SEEDS PER POD

9. SEEDS (95–100 Tenderometer):

[1] Color: 1 = LIGHT GREEN 2 = GREEN 3 = DARK GREEN 4 = OTHER (Specify) _____

Seive: %	1	2	3	4	5	6	7	8	AVERAGE
	0 5	1 1	1 8	3 6	2 6	0 3	0 1	0 0	3 8 0

SEEDS (Dry, Mature):

[4] Shape: 1 = FLATTENED 2 = ANGULAR 3 = OVAL 4 = ROUNDED

[3] Surface: 1 = SMOOTH 2 = DIMPLED 3 = WRINKLED

[2] Surface: 1 = SHINY 2 = DULL

[1] Color Pattern: 1 = MONOCOLOR 2 = MOTTLED 3 = STRIPED 4 = DOTTED

[0 3] Primary Color:

[ ] Secondary Color:

1 = CREAMY–WHITE 2 = CREAM & GREEN 3 = LIGHT GREEN 4 = MEDIUM GREEN 5 = DARK GREEN 6 = BLUE–GREEN 7 = YELLOW 8 = BROWN 9 = RED 10 = GRAY 11 = BLACK

[2] Hilum Floor Color: 1 = WHITE 2 = TAN 3 = BLACK

[1] Cotyledon Color: 1 = GREEN 2 = YELLOW 3 = ORANG

[1 8] GRAMS PER 100 SEEDS

10. DISEASE: (0 = Not Tested; 1 = Susceptible; 2 = Resistant)

[2]	FUSARIUM WILT	[1]	NEAR–WILT	[0]	DOWNY MILDEW
[0]	ASCOCHYTA BLIGHT	[2]	POWDERY MILDEW	[0]	BACTERIAL BLIGHT
[0]	MOSAIC	[1]	PEA ENATION MOSAIC	[0]	YELLOW BEAN MOSAIC
[ ]	OTHER (Specify) _____				

11. INSECT: (0 = Not Tested; 1 = Susceptible; 2 = Resistant)

[ ] APHIDS

[ ] OTHER (Specify) _____

12. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Leafiness	MEDALIST	Fresh Seed Color	MEDALIST
Leaf Color	MEDALIST	Mature Seed Color	MEDALIST
Pod Color	MEDALIST	Seed Shape	MEDALIST
Pod Shape	MEDALIST	Plant Habit	MEDALIST

COMMENTS:

RECEIVED FEB 11 1975