

C. RUSSELL.
CELERY BLEACHING APPARATUS.
APPLICATION FILED JAN. 6, 1912.

1,048,589.

Patented Dec. 31, 1912.

FIG. I.

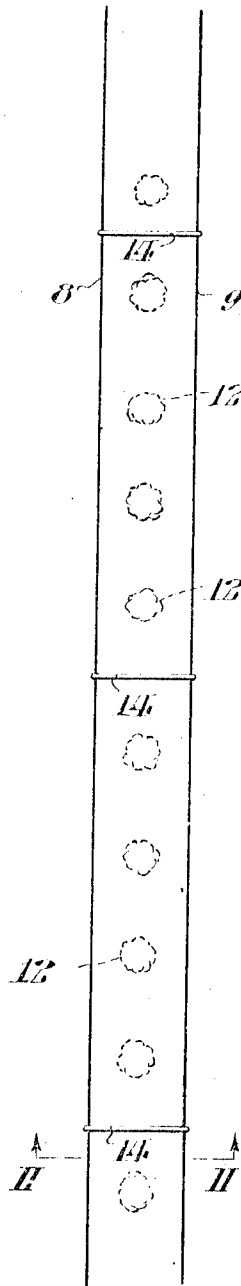
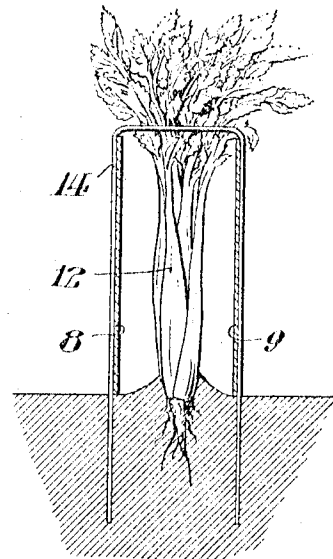


FIG. II.



WITNESSES:
Philip W. Vessey.
James D. Cady.

INVENTOR:
Calvin Russell
by Arthur C. Lang,
Attorney.

UNITED STATES PATENT OFFICE.

CALVIN RUSSELL, OF PENN YAN, NEW YORK, ASSIGNOR TO CARRIE H. RUSSELL, OF PENN YAN, NEW YORK.

CELERY-BLEACHING APPARATUS

1,048,589.

Specification of Letters Patent.

Patented Dec. 31, 1912.

Application filed January 6, 1912. Serial No. 669,791.

To all whom it may concern:

Be it known that I, CALVIN RUSSELL, of Penn Yan, in the county of Yates and State of New York, have invented a certain new and useful Improvement in Celery-Bleaching Apparatus, whereof the following is a specification, reference being had to the accompanying drawing.

It is the object of my invention to provide compactly transportable means which may be repeatedly used to temporarily exclude light from rows of celery plants, and which is capable of withstanding exposure to the weather without deterioration except such as is incident to wear.

As hereinafter described, my invention includes two flexible webs of water proof fabric consisting of wool saturated and coated with asphalt, arranged to be supported upon respectively opposite sides of rows of celery plants, and, means detaining said webs a uniform distance apart, inclosing said plants, including a series of wire staples each having two opposite parallel limbs extending into the ground, respectively exterior to said webs, and an intermediate portion transversely connecting said limbs above said webs.

My invention includes the various novel features of construction and arrangement hereinafter more definitely specified.

In the drawings:—Figure I is a plan view showing a preferred embodiment of my invention as arranged during the process of bleaching. Fig. II is a transverse sectional view, taken on the line II, II, in Fig. I, showing the arrangement of the bleaching apparatus with respect to a celery plant, of the row to be bleached, during the bleaching operation.

In said figures; the bleaching apparatus includes two flexible webs 8 and 9 of water proof fabric, consisting of wool felt saturated and coated with asphalt, extended in parallel runs upon opposite sides of a row of celery plants 12 as indicated in Fig. I. As indicated in Fig. II said webs 8 and 9 extend in vertically parallel planes, and, it is to be understood that said fabric is so constructed that although it is capable of being compactly rolled, it is sufficiently rigid to maintain itself in a vertical plane

without supporting means. However, in order to temporarily retain said webs 8 and 9 a uniform distance apart, inclosing said plants 12, I prefer to employ a series of wire staples 14 each having two opposite parallel limbs extending into the ground, respectively exterior to said webs, and an intermediate portion transversely connecting said limbs above said webs. Although I have shown such staples 14 proportioned to detain the webs the proper distance apart to exclude the light from a single row of celery plants 12, it is to be understood that if said plants are set in double rows, such staples may be so proportioned as to detain the webs aforesaid in proper relation to such a double row; that is to say, the staples may be made with longer intermediate portions transversely connecting their limbs above said webs.

I do not desire to limit myself to the precise details of construction and arrangement above described as various modifications may be made therein without departing from the essential features of my invention as defined in the appended claims.

I claim:—

1. In celery bleaching apparatus, a pair of webs of substantially water proof flexible fabric, formed of wool felt saturated and coated with asphalt, sufficiently rigid to maintain itself in a vertical plane without supporting means, extending upon respectively opposite sides of a row of celery; and, means maintaining said webs in position to bleach said celery, including a series of wire staples.

2. In a celery bleaching apparatus, a pair of webs extending upon respective opposite sides of a row of celery of substantially water proof fabric formed of felt saturated with an asphalt material said fabric webs arranged in substantially straight alignment and having a rigidity sufficient to maintain themselves in a vertical plane against buckling, and means separable from said webs for maintaining them in upright position.

3. In celery bleaching apparatus, a pair of webs of wool felt saturated and coated with asphalt, sufficiently rigid to maintain themselves in vertical planes without supporting means, extending upon respectively

opposite sides of a row of celery plants; and,
means maintaining said webs in respective
parallel planes throughout their length and
spaced with said plants between them, in-
5 cluding a series of wire supports engaging
said webs and extending into the ground.

In testimony whereof, I have hereunto

signed my name at Jacksonville, Florida,
this 3d day of January, 1912.

CALVIN RUSSELL.

Witnesses:

R. J. COLE,

TILTON BROWN.