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June 12, 1951

P. M. BOURNE

Plant Pat. 1.016

ROSE PLANT

Filed May 19, 1950

Fig.

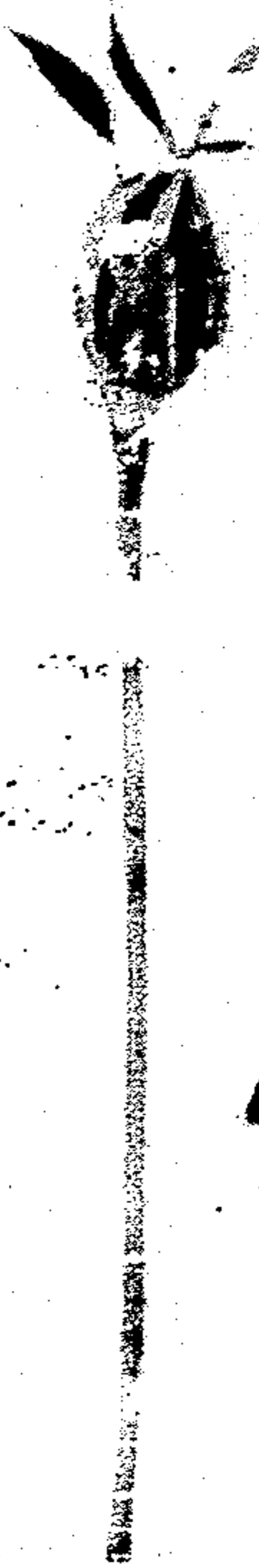


Fig.

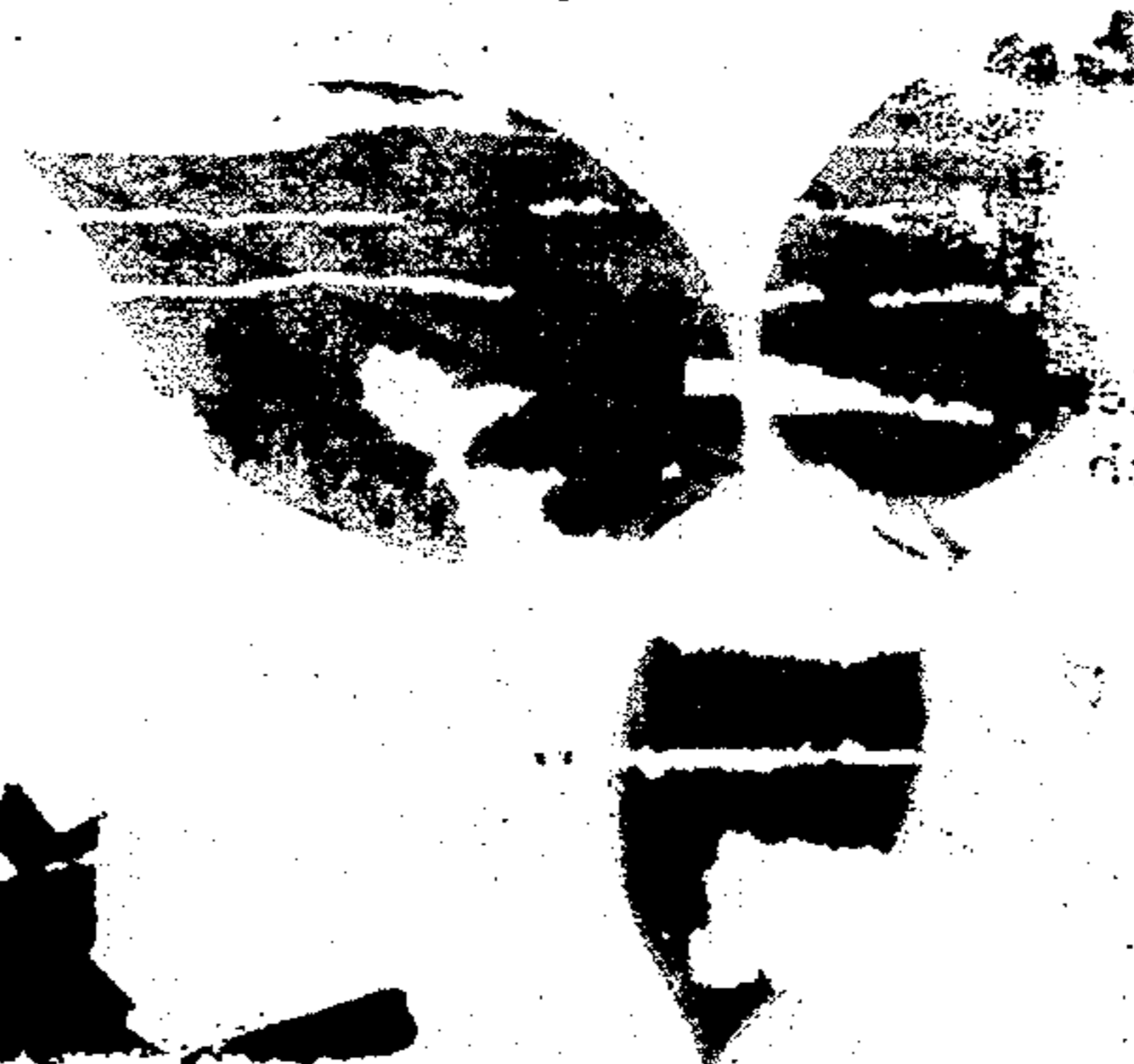


Fig. 3.



the
shown
color on
and
design

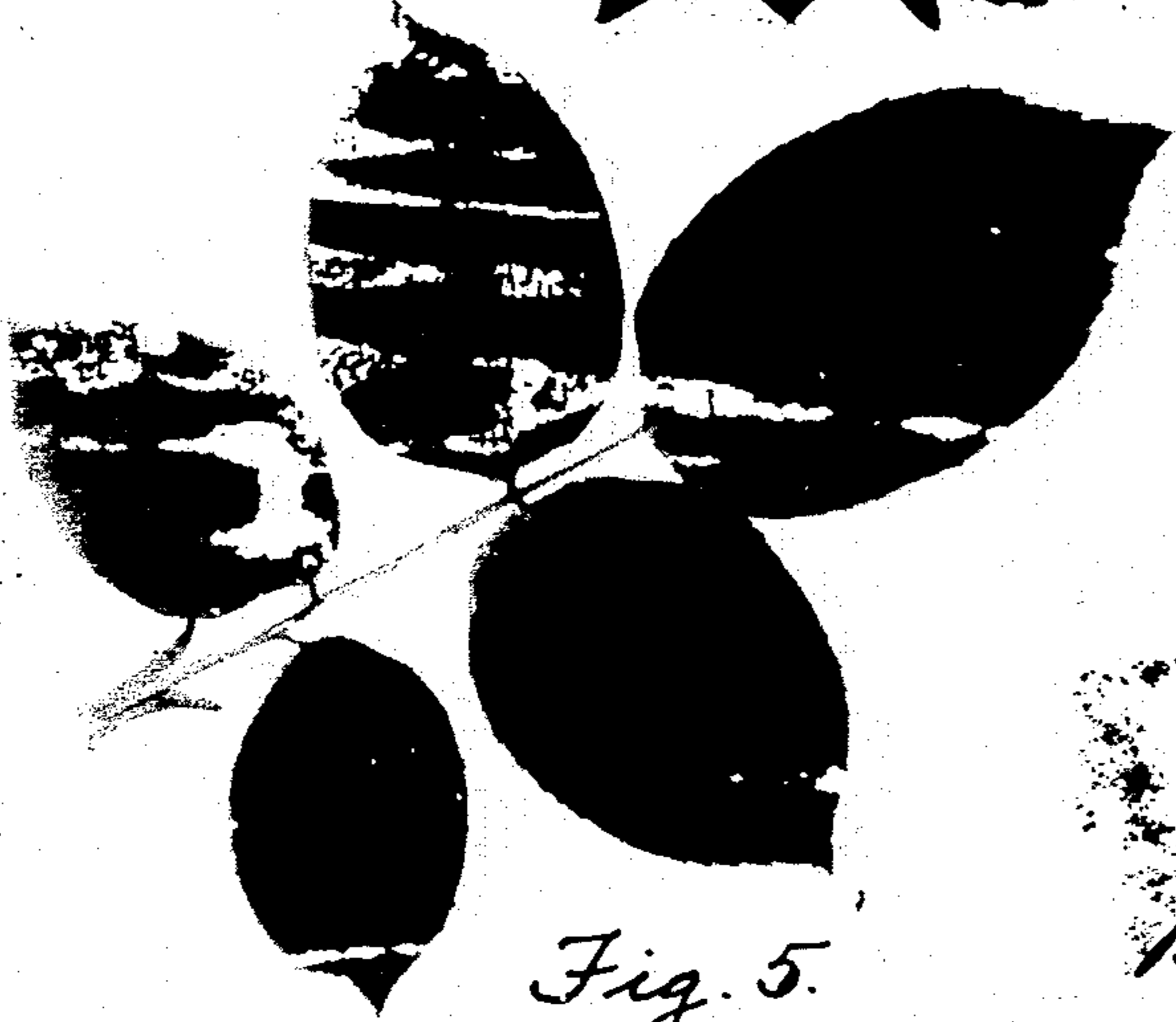


Fig. 5.

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UNITED STATES PATENT OFFICE

ROSE PLANT

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Application May 19, 1950 Serial No. 162,829

1 Claim.

The invention relates to a new and distinct variety of rose plant of the hybrid tea class, originating as a sport of the well-known and now famous variety "Better Times" plant...

Attention while a "Better Times" plant in the greenhouse, by reason of the fact that despite heavy fumigation of the greenhouse plants with "azobenzene," which tends to reach the color of the exposed portions of the buds of "Better Times," the blooms on the new variety showed a marked contrast to those of the parent plant...

Observation of the new variety over a prolonged period showed that the blooms were more reflexed than those of "Better Times," and the color of the new variety was more intense and accompanied by red color of the veins and midrib...

Despite the foregoing characteristics, this new variety has the vigor and floriferousness of its "Better Times" parent, thereby representing a combination of color and form of flower, color of foliage, and habit of growth that is distinct not only from the parent variety "Better Times" but also distinct from any other known variety.

Asexual reproduction by budding, grafting and cuttings at Indianapolis, Indiana, shows that the aforementioned characteristics come true to form and are established and transmitted through succeeding propagations.

In the accompanying drawing— Fig. 1 shows a specimen bud of the new variety at the calyx breaks; Fig. 2 shows a specimen of a partly open bloom; Fig. 3 shows a specimen of a full-open flower; Fig. 4 depicts a specimen of mature foliage with three leaflets, showing under surface color; and Fig. 5 is a specimen of the mature foliage with five leaflets, showing the upper surfaces.

The following is a detailed description of the new variety, with color terminology in accordance with Ridgway's Color Standards and Nomenclature, except where otherwise noted in accordance with international general color terms: Type: Bush; greenhouse; sport; for cut flowers. Class: Hybrid tea. Parentage: Sport of "Better Times."

Flower (Observations made in greenhouse at Indianapolis, Indiana, in the month of February, 1950.) Flowers borne singly on a strong stem. Blooming habit: Excellent in greenhouse, continuous growth...

Before calyx breaks.—Medium size; pointed; ovoid; foliaceous parts of calyx extending beyond the tip of the bud to three-fourths or more of its length. Color—Parrot Green, Plate VI.

As calyx breaks.—Exposed petals. Color—Carmine, Plate I, overlaid with Garnet Brown, Plate I.

As first petal opens.—Size—medium to large. Form—long; pointed. Color—outside: Satiny Pomegranate Purple, Plate XII, overlaid with Oxblood, Plate I; intensity of color extending to base of petals; inside: Carmine, Plate I, overlaid with Oxblood, Plate I, with distinct velvety sheen.

Opening.—Opens up well with all petals reflexing at margins. Is not affected by adverse weather conditions.

Bloom: Size, when fully open—large; measuring from 4 1/2 inches to 8 inches in diameter.

Petalage.—Very double; with 40 to 55 petals including 5 or more petaloid stamens, arranged regularly.

Form.—Full; high centered; petals being at first tightly cupped inward; at maturity, loosely rolled outward, except petals at center and petals which irregularly cup inward, hiding stamens and pistils. All petals, including intermediate petals, are reflexed at their margins.

Petals: Thick; inside velvety and outside smooth. Shape.—Outside—broadly obovate. Intermediate—round. Inner—ovate.

This description of a newly opened flower was made from a rose grown in a greenhouse in the month of February, 1950, at Indianapolis, Indiana:

Color.—Outside petal—outside surface: Satiny Pomegranate, Plate XII, overlaid with Oxblood, Plate I, intensity of color extending to base of petal; inside surface: Carmine, Plate I, overlaid with Oxblood, Plate I; velvety texture. Intermediate petal—outside surface: Exposed portions same as

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outside petals; toward base becoming lighter through Rose Color, Plate XII, to Deep Rose Pink, Plate XII; inner surface: Exposed portions similar to outside petals. Near base color becomes lighter, similar to outside surface. *Inner petal*—outside surface: Similar to intermediate petals. Inner petals roll inward but reflexed portion of inner surface is the part normally exposed. This part is deep velvety Oxblood, Plate I. Innermost petals or petaloids may have a light stripe extending from base toward margin.

Color retention.—Repeated trials in checking mature blossoms kept in storage three days showed no change from above colors. When kept from five to eight days colors became slightly lighter but lacked any of the bluish tinge characteristic of the parent, "Better Times," which were kept under identical conditions.

Reproductive organs

Stamens: Arranged regularly about pistils.
Filaments: Medium length; most with anthers.
Color—Rose color, Plate XII, to Deep Rose Pink, Plate XII, near anthers.
Anthers: Color—Cinnamon Buff, Plate XXIX.
Pollen: Sparse.
Pistils: Many.

Styles: Uneven; medium length; bunched. Color—Deep Rose Pink, Plate XII, beneath stigma fading to white near ovary.

Stigma: Color—Light Ochraceous Buff, Plate XV.

Ovaries: Some protruding from calyx.

Hips: Short; ovoid; green; smooth.

Sepals: Permanent; moderately long, recurved. Color—inner surface: Asphodel Green, Plate XII, darkening to Varley's Green, Plate XVIII, at tip; outer surface: Rinnemann's Green, Plate XVIII, at base to Varley's Green, Plate XVIII, at tips. Sometimes overlaid with bronze at margins.

Plant

Foliage:

Leaves.—Compound of 3, 5 or 7 leaflets; medium large; leathery, glossy.

Leaflets.—Oval with apex acute; base round; margin serrate.

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Color.—*Mature leaf*—upper surface: Dark Dull Yellow Green, Plate XXXII; serrations bronzed at margins on older leaves; under surface: Color ranges between Tea Green, Plate XXVII, and Pea Green, Plate XLVII.

Rachis.—Medium heavy. Upper surface: Smooth; groove under side: With few short prickles except on blooming shoot near peduncle. Color—Pois Green, Plate XLI, overlaid with Vandyke Red, Plate XIII, which often extends into mid-rib on older leaves.

Stipules.—Medium length; with medium length points turning out at an angle of about 45°. Color—Pois Green, Plate XLI, overlaid with Vandyke Red, Plate XIII.

Disease resistance.—Equal to or greater than parent "Better Times."

Growth:

Habit.—Upright; branches.

Canes.—Medium heavy.

Growth.—Vigorous.

Main stems.—Color—dull green. Few short thorns hooked downward, with long, narrow bases.

Branches.—Color—bright green. *Thorns*.—Few short thorns hooked downward, with long, narrow bases. Color—Vinaceous, Plate XXVII. *Prickles and hairs*.—none.

I claim:

A new and distinct variety of rose plant of the Hybrid Tea class, characterized as to novelty and distinguished from its parent by the deeper color of the blooms which are brilliant carmine overlaid with oxblood, by the greater number of petals, the petals more reflexed, the inner petals tending to cup in, the stamens and pistils in the rose, the darker foliage with red color and mid-rib, substantially as shown and described.

PERCY M. BOURNE.

No references cited.