



The Philatelic Foundation

341 West 38th Street • 5th Floor
New York, NY 10018
EXPERT COMMITTEE

No. 542311
01/24/2017

We have examined the enclosed item, of which a photograph is attached, and *described by the applicant* as follows:

Country: UNITED STATES OF AMERICA

Cat. No.	Issue	Denom.	Color
364	1909	10¢	yellow

Scott's unless otherwise specified.
UNUSED, OG,

AND WE ARE OF THE OPINION THAT:

IT IS GENUINE, PREVIOUSLY HINGED, BUT REPERFORATED AT TOP, LEFT AND RIGHT. *****



542311

G283048

For The Expert Committee
Chairman

Photocopies of this Certificate are not valid.



No. 01343449 3/19/2018

Professional Stamp Experts
PO Box 539309, Henderson, NV 89053-9309
gradingmatters.com

Expert Committee

We have examined the enclosed item submitted to PSE, of which an image is shown below, and are of the opinion that:

Cat No.	Issue	Denom.	Color
Scott 391 USA	1910	2c	Carmine

"it is a genuine unused, o.g., never hinged coil strip of four."



top pair

Shuply

For The Expert Committee

THIS CERTIFICATE IS PRINTED ON WATERMARKED PAPER AND IS NOT VALID WITHOUT WATERMARK

Professional STAMP EXPERTIZING

PSE#19576
CERTIFICATE NO.

One Datan Center, Ste. 1149 • 9100 S. Dadeland Blvd., Miami, FL 33156

02/09/93

CAT #	ISSUE	DENOM	COLOR
US#350	1910	4 Cent	Orange Brown

PROFESSIONAL has examined this submission and is of the opinion that:

"it is genuine unused, o.g. coil pair".

The opinions rendered by PROFESSIONAL are based upon the best judgment and expertise of highly specialized philatelic consultants using current information available to them. PROFESSIONAL's opinions do not constitute a guarantee that an item is genuine or that others may reach a different conclusion as to description. No warranties are therefore expressed or implied in PROFESSIONAL's opinions. The physical condition of a stamp may change with time through improper handling, storage or alteration, therefore, the opinion given here may not apply beyond the date of this certificate. Xeroxes or copies of this certificate are INVALID.

EXPERTS: R. Shoemaker 1 D. Champagne 2 F. Sharp 3
Chairman, Board of Consultants

No. 83 600

Feb. 25, 19 80

THE PHILATELIC FOUNDATION
270 MADISON AVENUE
NEW YORK, N.Y. 10016
EXPERT COMMITTEE

We have examined the enclosed item submitted by the applicant described as follows:

Country	USA	Issue	1912	Denomination	50¢
Color	violet	Cat. No.	422		

Brief description or additional information: Unused, o.g.

All Catalogue numbers are Scott's unless otherwise specified.

of which a photograph is attached and are of the opinion
that it is genuine. -----



For The Expert Committee
Chairman

submitted by Stanley M. Piller.

WEISS EXPERTIZING SERVICE

P.O. Box 5358
Bethlehem, PA 18015
(610) 691-6857

Opinion No. 6 41225 Date 05/17/13

I have examined the enclosed United States 1¢ 1912
Unused Coil Pair (Sc.#412)

for N. Brautbar

and my opinion is; _____

It is sound and genuine in all respects, OG/
hinge remnants.

A photograph is attached below.



Signed _____

Member

American Philatelic Society (Life Member)

United States Stamp Society, U.S. Philatelic Classics Society
U.S. Cancellation Club, U.S. Postal Stationery Society

Established 1972



The Philatelic Foundation

501 Fifth Avenue • Suite 1901
New York, NY 10017

EXPERT COMMITTEE

No. 0296369
12/12/95

We have examined the enclosed item, of which a photograph is attached, and *described by the applicant* as follows:

Country: UNITED STATES OF AMERICA

Cat. No.	Issue	Denom.	Color
<u>431</u>	<u>1913</u>	<u>8¢</u>	<u>olive grn.</u>

Scott's unless otherwise specified.

UNUSED OG

AND WE ARE OF THE OPINION THAT:

IT IS GENUINE PREVIOUSLY HINGED WITH DISTURBED
O.G. * * * * *



Robert P. Odense
For The Expert Committee
Chairman

Photocopies of this Certificate are not valid.

Submitted by

ROGER L. DIPAOLO

005020

Cert No. **0558872**

Cat. No. **438**



Philatelic Stamp Authentication & Grading, Inc.
PO Box 2111, Miami, FL 33256

EXPERT COMMITTEE OPINION:

Cat#	Issue	Denom.	Shade
<u>438</u>	<u>1914</u>	<u>20c</u>	<u>Ultramarine</u>

"it is genuine unused, og previously hinged Block of 4, bottom pair never hinged"

4/25/2011
Date

John P. Hall
Acting Committee Chairman



The Philatelic Foundation

501 Fifth Avenue • Suite 1901
New York, NY 10017

EXPERT COMMITTEE

No. 0391668
12/04/02

We have examined the enclosed item, of which a photograph is attached, and *described by the applicant* as follows:

Country: UNITED STATES OF AMERICA

Cat. No.	Issue	Denom.	Color
<u>447</u>	<u>1914</u>	<u>5¢</u>	<u>blue</u>

Scott's unless otherwise specified.

UNUSED OG
PAIR.

AND WE ARE OF THE OPINION THAT:

IT IS GENUINE, PREVIOUSLY HINGED* * * * *



John P. Hall
For The Expert Committee
Chairman

Photocopies of this Certificate are not valid.

083851



No. 01268550 8/6/2013
11111111111111111111

Professional Stamp Experts
P.O. Box 6170, Newport Beach, CA 92658

Expert Committee

We have examined the enclosed item submitted to PSE, of which an image is shown below, and are of the opinion that:

Cat No.	Issue	Denom.	Color
Scott 459	1914	2c	Carminc

GRADE: VF 80, Mint OGnh

"it is genuine unused, o.g., never hinged."



Sophy

For The Expert Committee

THIS CERTIFICATE IS PRINTED ON WATERMARKED PAPER AND IS NOT VALID WITHOUT WATERMARK



No. 01110652 5/10/2007
11111111111111111111

Professional Stamp Experts
P.O. Box 6170, Newport Beach, CA 92658

Expert Committee

We have examined the enclosed item submitted to PSE, of which an image is shown below, and are of the opinion that:

Cat #	Issue	Denom.	Color
US#452	1914	1c	Green

GRADE: VF-XF 85, Mint OGph

"it is a genuine unused, o.g., previously hinged, coil joint line pair."



W.T. Crowe

For The Expert Committee

THIS CERTIFICATE IS PRINTED ON WATERMARKED PAPER AND IS NOT VALID WITHOUT WATERMARK



No. 00106545 11/25/2003
11111111111111111111

Professional Stamp Experts
P.O. Box 6170, Newport Beach, CA 92658

Authentication Committee

We have examined the enclosed item submitted to PSE, of which the photo is attached with seal and are of the opinion that:

Cat #	Issue	Denom.	Color
US#519	1917	2c	Carminc

GRADE: G-VG 40,Mint,OG

"it is genuine unused, o.g., hinged and REPERFORATED at right."



106545

COPY

[Signature]

For The Expert Committee



The Philatelic Foundation
341 West 38th Street • 5th Floor
New York, NY 10018
EXPERT COMMITTEE

No. 531235
10/15/2015

We have examined the enclosed item, of which a photograph is attached, and *described by the applicant* as follows:

Country: **UNITED STATES OF AMERICA**

Cat. No.	Issue	Denom.	Color
477	1917	50¢	light violet

Scott's unless otherwise specified.

UNUSED, OG, BOTTOM MARGIN BLOCK OF FOUR.

AND WE ARE OF THE OPINION THAT:

IT IS GENUINE, PREVIOUSLY HINGED*****



531235

For The Expert Committee
[Signature]
Chairman

F 270399



No. 01255432 9/26/2012
|||||

Professional Stamp Experts
P.O. Box 6170, Newport Beach, CA 92658

Expert Committee

We have examined the enclosed item submitted to PSE, of which an image is shown below, and are of the opinion that:

Cat No.	Issue	Denom.	Color
Scott 487 PR (USD 164)	1916	2c	Carmine

GRADE: XF-Sup 95, Mint OGnh

"it is a genuine unused, o.g., never hinged, coil pair."



Stuply

For The Expert Committee

THIS CERTIFICATE IS PRINTED ON WATERMARKED PAPER AND IS NOT VALID WITHOUT WATERMARK



No. 01097957 3/22/2007
|||||

Professional Stamp Experts
P.O. Box 6170, Newport Beach, CA 92658

Expert Committee

We have examined the enclosed item submitted to PSE, of which an image is shown below, and are of the opinion that:

Cat #	Issue	Denom.	Color
US#496	1919	5c	Blue

GRADE: XF-Sup 95, Mint OGnh

"it is a genuine unused, o.g., never hinged, coil pair."



E. Nicholas

For The Expert Committee

THIS CERTIFICATE IS PRINTED ON WATERMARKED PAPER AND IS NOT VALID WITHOUT WATERMARK



No. 01336945 10/31/2017
|||||

Professional Stamp Experts
PO Box 539309, Henderson, NV 89053-9309
gradingmatters.com

Expert Committee

We have examined the enclosed item submitted to PSE, of which an image is shown below, and are of the opinion that:

Cat No.	Issue	Denom.	Color
Scott 496 LP USA	1919	5c	Blue

GRADE: VF-XF 85, Mint OGnh

"it is a genuine unused, o.g., never hinged, coil joint line pair."



Stuply

For The Expert Committee

THIS CERTIFICATE IS PRINTED ON WATERMARKED PAPER AND IS NOT VALID WITHOUT WATERMARK



No. 01242647 10/31/2011
|||||

Professional Stamp Experts
P.O. Box 6170, Newport Beach, CA 92658

Expert Committee

We have examined the enclosed item submitted to PSE, of which an image is shown below, and are of the opinion that:

Cat No.	Issue	Denom.	Color
Scott 510 (USD 168)	1917	10c	Orange yellow

GRADE: XF-Sup 95, Mint OGph

"it is genuine unused, o.g., previously hinged."



E. Nicholas

For The Expert Committee

THIS CERTIFICATE IS PRINTED ON WATERMARKED PAPER AND IS NOT VALID WITHOUT WATERMARK

POSTAGE

1908-1909 REGULAR ISSUE

In 1908, the first issue of the Washington-Franklin series was released. Johl states that the series was an attempt by the Post Office to standardize designs, in common with many European countries.

The Washington-Franklin series was printed from 1908 until 1921. During its life it would undergo a series of changes in paper, perforation and printing methods in an attempt to fix problems in production and use of the issue.

Perforated 12, Double-Line Watermark



1c Green
Scott 331



2c Carmine
Scott 332



3c Deep Violet
Scott 333



4c Orange Brown
Scott 334



5c Blue
Scott 335



6c Red Orange
Scott 336



8c Olive Green
Scott 337



10c Yellow
Scott 338



13c Blue Green
Scott 339



15c Pale Ultramarine
Scott 340



50c Violet
Scott 341



\$1.00 Violet Brown
Scott 342

POSTAGE

1908-1909 IMPERF ISSUE

Imperforate, Double-Line Watermark



1c Green
Scott 343



2c Carmine
Scott 344



3c Deep Violet
Scott 345



4c Orange Brown
Scott 346



5c Blue
Scott 347

POSTAGE

1908-1909 IMPERF ISSUE

Imperforate, Double-Line Watermark

PAIRS



1c Green
Scott 343



2c Carmine
Scott 344



3c Deep Violet
Scott 345



4c Orange Brown
Scott 346



5c Blue
Scott 347

Lighthouse

POSTAGE
1908-1909 COIL ISSUE

COIL SINGLES

Perforated 12 Horizontally, Double-Line Watermark



1c Green
Scott 348



2c Carmine
Scott 349



4c Orange Brown
Scott 350



5c Blue
Scott 351

Perforated 12 Vertically, Double-Line Watermark



1c Green
Scott 352



2c Carmine
Scott 353



4c Orange Brown
Scott 354



5c Blue
Scott 355



10c Yellow
Scott 356

Leuchtturm Lighthouse

POSTAGE
1908-1909 COIL ISSUE

COIL PAIRS

Perforated 12 Horizontally, Double-Line Watermark



1c Green
Scott 348



2c Carmine
Scott 349



4c Orange Brown
Scott 350

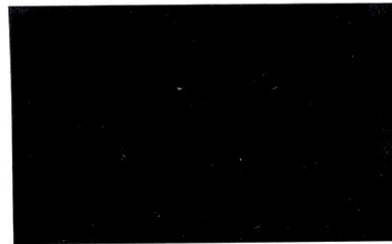


5c Blue
Scott 351

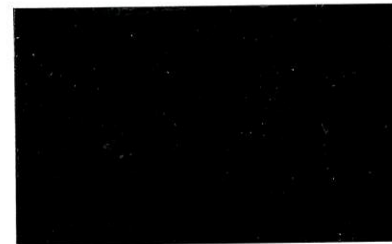
Perforated 12 Vertically, Double-Line Watermark



1c Green
Scott 352



2c Carmine
Scott 353



4c Orange Brown
Scott 354



5c Blue
Scott 355



10c Yellow
Scott 356

POSTAGE

1909 BLUISH PAPER

Perforated 12, Double-Line Watermark

During the early stages of production, the Bureau tried to solve problems with paper shrinkage that caused off-center perforations and resulted in a large number of unusable sheets. Armstrong notes that up to twenty percent of printed sheets had to be discarded. The Bureau experimented with the paper content, adding various components to the mix to produce paper less prone to shrinkage.

The first such experiment resulted in the Bluish Paper stamps (Scott 357-366). Rag (cloth) was added to the wood pulp mixture, but this did not have the desired effect, and the experiment was discontinued.



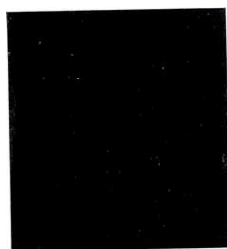
1c Green
Scott 357



2c Carmine
Scott 358



3c Deep Violet
Scott 359



4c Orange Brown
Scott 360



5c Blue
Scott 361



6c Red Orange
Scott 362



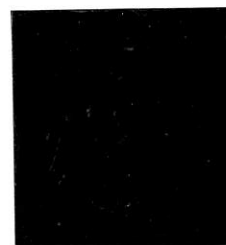
8c Olive Green
Scott 363



10c Yellow
Scott 364



13c Blue Green
Scott 365



15c Pale Ultramarine
Scott 366

POSTAGE

1910-1911 REGULAR ISSUE

Perforated 12, Single-Line Watermark

For their next experiment, in 1910 the Bureau changed from double-line to single-line watermark paper. The new watermark was intended to strengthen the paper, and to give it a more uniform thickness. The perf 12 gauge was still in use.



1c Green
Scott 374



2c Carmine
Scott 375



3c Deep Violet
Scott 376



4c Brown
Scott 377



5c Blue
Scott 378



6c Red Orange
Scott 379



8c Olive Green
Scott 380



10c Yellow
Scott 381



15c Pale Ultramarine
Scott 382

Imperforate, Single-Line Watermark



1c Green
Scott 383



2c Carmine
Scott 384

POSTAGE
1910-1911 COIL ISSUE

COIL SINGLES

Perforated 12 Horizontally, Single-Line Watermark



1c Green
Scott 385



2c Carmine
Scott 386

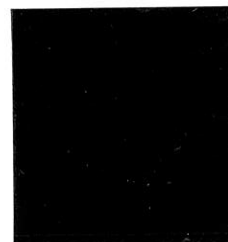
Perforated 12 Vertically, Single-Line Watermark



1c Green
Scott 387



2c Carmine
Scott 388



3c Deep Violet
Scott 389

The 3c Orangeburg coil was made by the Post Office Department in 1911, specifically for use by the Bell Pharmaceutical Company. The 3c coil stamps were used to send samples of their products to physicians. Due to the quantity of mail, they were put through the first-class cancelling machine at Orangeburg, New York. The Orangeburg coil stamps' use on third-class mail, and the fact that philatelists were generally unaware of their production accounts for their rarity.

POSTAGE
1910-1911 COIL ISSUE

COIL PAIRS

Perforated 12 Horizontally, Single-Line Watermark



1c Green
Scott 385



2c Carmine
Scott 386

Perforated 12 Vertically, Single-Line Watermark

1c Green
Scott 387

2c Carmine
Scott 388

3c Deep Violet
Scott 389
Orangeburg Coil

POSTAGE

1910-1911 COIL ISSUE

COIL SINGLES

Coil stamps produced on the new watermarked paper were found to be brittle and separated too easily. The gauge was altered to 8½.

Perforated 8½ Horizontally, Single-Line Watermark



1c Green
Scott 390



2c Carmine
Scott 391

Perforated 8½ Vertically, Single-Line Watermark



1c Green
Scott 392



2c Carmine
Scott 393



3c Deep Violet
Scott 394



4c Brown
Scott 395



5c Blue
Scott 396

Leuchtturm Lighthouse

POSTAGE

1910-1911 COIL ISSUE

COIL PAIRS

Perforated 8½ Horizontally, Single-Line Watermark



1c Green
Scott 390



2c Carmine
Scott 391

Perforated 8½ Vertically, Single-Line Watermark

1c Green
Scott 392

2c Carmine
Scott 393

3c Deep Violet
Scott 394

4c Brown
Scott 395

5c Blue
Scott 396

POSTAGE

1912-1914 REGULAR ISSUE

Perforated 12, Single-Line Watermark

For this issue, the design was slightly altered, so that the denomination was no longer spelled out. on the 1c and 2c values. The designs for the higher denominations were also altered so that more showed the portrait of Franklin rather than Washington.



1c Green
Scott 405



2c Carmine
Scott 406



7c Black
Scott 407



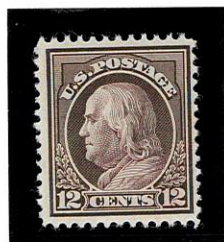
8c Pale Olive
Scott 414



9c Salmon Red
Scott 415



10c Orange Yellow
Scott 416



12c Claret Brown
Scott 417



15c Grey
Scott 418



20c Ultramarine
Scott 419



30c Orange Red
Scott 420



50c Violet
Scott 421



50c Violet
Scott 422



\$1 Violet Brown
Scott 423

POSTAGE
1912-1914 COIL ISSUE

Single-Line Watermark

Imperforate



1c Green
Scott 408



2c Carmine
Scott 409

COIL SINGLES

Perforated 8½ Horizontally



1c Green
Scott 410



2c Carmine
Scott 411

Perforated 8½ Vertically



1c Green
Scott 412



2c Carmine
Scott 413

Leuchtturm Lighthouse

POSTAGE

1912-1914 COIL ISSUE

Single-Line Watermark

COIL PAIRS

Perforated $8\frac{1}{2}$ Horizontally



1c Green
Scott 410



2c Carmine
Scott 411

Perforated $8\frac{1}{2}$ Vertically



1c Green
Scott 412



2c Carmine
Scott 413

POSTAGE

1912-1914 COIL ISSUE

Single-Line Watermark
COIL GUIDE LINE PAIRS

Perforated $8\frac{1}{2}$ Horizontally



1c Green
Scott 410



2c Carmine
Scott 411

Perforated $8\frac{1}{2}$ Vertically



1c Green
Scott 412



2c Carmine
Scott 413

POSTAGE

1914-1915 REGULAR ISSUE

Perforated 10, Single-Line Watermark

In 1914, six years into production of the Washington-Franklin series, the perforations were altered to gauge 10 on all sides. The change was made in response to complaints from postmasters and users that the perf 12 stamps separated too easily, a problem encountered on earlier coil stamps. The weakened and separated sheets made it difficult for local

postmasters to properly account for stock, and businesses lost time putting stamps on parcels when multiples fell apart.

The Bureau settled on perf 10 for the new gauge. Johl notes that the first machine was set to gauge 10 on September 4, 1914, and that the last machine was set on November 4 of the same year.



1c Green
Scott 424



2c Rose Red
Scott 425



3c Deep Violet
Scott 426



4c Brown
Scott 427



5c Blue
Scott 428



6c Red Orange
Scott 429



7c Black
Scott 430



8c Pale Olive Green
Scott 431



9c Salmon Red
Scott 432



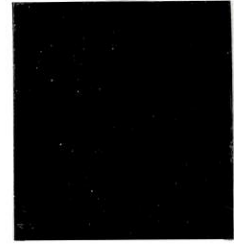
10c Orange Yellow
Scott 433



11c Dark Green
Scott 434



12c Claret Brown
Scott 435



12c Copper Red
Scott 435a



15c Gray
Scott 437



20c Ultramarine
Scott 438



30c Orange Red
Scott 439



50c Violet
Scott 440

POSTAGE

1914-1915 COIL ISSUE

COIL SINGLES

The previous coil stamps, which had been changed from perf 12 to perf 8½, was found to be too difficult to separate. The perforations for coils were once again changed, to perf 10.

Perforated 10 Horizontally, Single-Line Watermark



1c Green
Scott 441



2c Carmine
Scott 442

Perforated 10 Vertically, Single-Line Watermark



1c Green
Scott 443



2c Carmine
Scott 444



3c Violet
Scott 445



4c Brown
Scott 446



5c Blue
Scott 447

Leuchtturm Lighthouse

POSTAGE
1914-1915 COIL ISSUE

COIL PAIRS

Perforated 10 Horizontally, Single-Line Watermark



1c Green
Scott 441

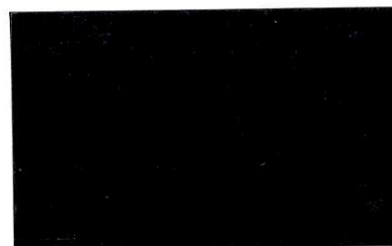


2c Carmine
Scott 442

Perforated 10 Vertically, Single-Line Watermark



1c Green
Scott 443



2c Carmine
Scott 444



3c Violet
Scott 445



4c Brown
Scott 446



5c Blue
Scott 447

POSTAGE

1914-1915 COIL ISSUE

COIL GUIDE LINE PAIRS

Perforated 10 Horizontally, Single-Line Watermark



1c Green
Scott 441



2c Carmine
Scott 442

Perforated 10 Vertically, Single-Line Watermark

1c Green
Scott 443

2c Carmine
Scott 444

3c Violet
Scott 445

4c Brown
Scott 446

5c Blue
Scott 447

POSTAGE

1914-1916 ROTARY COIL ISSUE

COIL SINGLES

By 1914 demand for coil stamps had increased to the point where the Post Office Dept. began to examine alternative, less labor-intensive printing methods. Increased plate size eventually gave way to the new Stickney rotary press, named for its inventor who worked at the Bureau of Engraving and Printing.

The rotary press was able to print using paper in

long rolls, with plates wrapped around a cylinder. The machine also gummed stamps. This was ideal for coil production, as pasting sheets together was no longer necessary. Unlike flat plate printings, which had a guide line every 20 stamps, the rotary press stamps had a joint line every 20 stamps, where the two ends of the curved plate meet.

Perforated 10 Horizontally, Single-Line Watermark



1c Green
Scott 448



2c Red
Scott 449



2c Carmine
Scott 450

Perforated 10 Vertically, Single-Line Watermark



1c Green
Scott 452



2c Carmine Rose
Scott 453



2c Red
Scott 454



2c Carmine
Scott 455



3c Violet
Scott 456



4c Brown
Scott 457



5c Blue
Scott 458

Imperforate, Single-Line Watermark

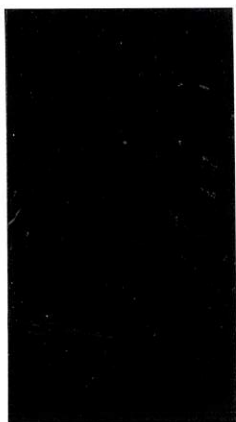


2c Carmine
Scott 459

POSTAGE
1914-1916 ROTARY COIL ISSUE

COIL PAIRS

Perforated 10 Horizontally, Single-Line Watermark



1c Green
Scott 448



2c Red
Scott 449



2c Carmine
Scott 450

Perforated 10 Vertically, Single-Line Watermark



1c Green
Scott 452



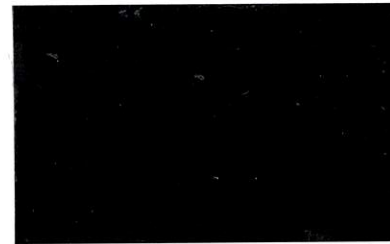
2c Carmine Rose
Scott 453



2c Red
Scott 454



2c Carmine
Scott 455



3c Violet
Scott 456



4c Brown
Scott 457



5c Blue
Scott 458

Imperforate



2c Carmine
Scott 459

POSTAGE
1914-1916 ROTARY COIL ISSUE

COIL JOINT LINE PAIRS

Perforated 10 Horizontally, Single-Line Watermark



1c Green
Scott 448



2c Red
Scott 449



2c Carmine
Scott 450

Perforated 10 Vertically, Single-Line Watermark



1c Green
Scott 452



2c Carmine Rose
Scott 453



2c Red
Scott 454

Imperforate

2c Carmine
Scott 455

3c Violet
Scott 456

2c Carmine
Scott 459

4c Brown
Scott 457

5c Blue
Scott 458

Lighthouse
Lighthouse

POSTAGE

1915-1917 WARTIME ISSUES

Perforated 10, Flat Plate, Double-Line Watermark



\$1 Violet Black
Scott 460

The change from 12-gauge to 10-gauge perforations occurred after single-line watermarked paper was introduced. However, unlike the other denominations, the \$1.00 was never printed on the new single-line watermark paper. The Bureau continued to use up their stocks of this paper, but the stamps were perforated on the newly-outfitted Perf 10 perforating machines.

Perforated 11, Flat Plate, Single-Line Watermark



2c Pale Car. Red
Scott 461

The Bureau had switched from perf 12 to perf 10 to address criticism that the stamps separated too easily. However, the perf 10 stamps had the opposite effect, often causing users to tear their stamps when separating. Facing vocal public criticism, Third Assistant Postmaster General Dockery experimented with this perf 11 issue. In June of 1915 a total of 90,000 of this trial perforation were issued, and deemed satisfactory by test users. However, due to the frugality of wartime conditions the Bureau did not change to the new perf 11 wheels until all of the old perf 10 wheels had worn out. The switch wasn't started until almost two years later, and by this time the Bureau was using unwatermarked paper.

Perforated 11, Flat Plate, Double-Line Watermark



2c Carmine
Scott 519

A small quantity of leftover imperforate stock of the old 2c design with denomination spelled out (Scott 344) was returned to the Bureau in 1917. Rather than destroy them, they were perforated with the gauge 11 which was currently in use.

POSTAGE

1916-1917 REGULAR ISSUE

Perforated 10, Flat Plate, Unwatermarked

The primary difference between this issue and the 1913-1915 Issue (Scott 424-440) is that this new issue was printed on unwatermarked paper. This issue also saw the introduction of an unusual error, the 5c error printed in the color of the 2c (Scott 467). This variety was caused when three positions were re-entered on one of the 2c plates using the wrong transfer roll. \$2 and \$5 denominations were also added, using the designs of the much earlier 1902 Issue.



1c Green
Scott 462



2c Carmine
Scott 463



3c Violet
Scott 464



4c Orange Brown
Scott 465



5c Blue
Scott 466



5c Carmine
Scott 467



6c Red Orange
Scott 468



7c Black
Scott 469



8c Olive Green
Scott 470



9c Salmon Red
Scott 471



10c Orange Yellow
Scott 472



11c Dark Green
Scott 473



12c Claret Brown
Scott 474



15c Gray
Scott 475



20c Light Ultramarine
Scott 476



30c Orange Red
Scott 476A



50c Light Violet
Scott 477



\$1 Violet Black
Scott 478



\$2 Dark Blue
Scott 479



\$5 Light Green
Scott 480

POSTAGE

1916-1917 IMPERFORATE ISSUE

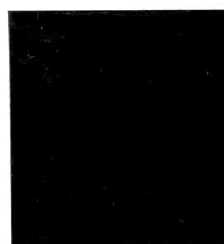
Imperforate, Unwatermarked



1c Green
Scott 481



2c Carmine, Type I
Scott 482



2c Deep Rose, Type Ia
Scott 482A

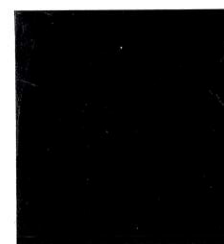
Scott 482A is the first Type Ia stamp to be issued (the second is Scott 500). It was issued imperforate, but like Scott 314A it is only known with Schermack Type III perforations.



3c Violet, Type I
Scott 483



3c Violet, Type II
Scott 484



5c Carmine
Scott 485

Scott 485 is an error of color, caused when a 5c transfer roll was mistakenly used and three 5c subjects were entered on a plate of 2c stamps. The error was not noticed until the plate had been in use for some time. The 5c Rose and Carmine errors exist as Perf 10 (Scott 467), Imperforate and Perf 11 (Scott 505).

Lighthouse
Leuchtturm

POSTAGE

1916-1918 COIL ISSUE

COIL SINGLES

The new Stickney rotary printing press continued to be used for coil stamps, this time on unwatermarked paper and with denominations up to 10c.

Rotary Press, Perforated 10 Horizontally, Unwatermarked



1c Green
Scott 486



2c Carmine, Type I
Scott 487



2c Carmine, Type II
Scott 488



3c Violet, Type I
Scott 489

Rotary Press, Perforated 10 Vertically, Unwatermarked



1c Green
Scott 490



2c Carmine, Type I
Scott 491



2c Carmine, Type II
Scott 492



3c Violet, Type I
Scott 493



3c Violet, Type II
Scott 494



4c Orange Brown
Scott 495



5c Blue
Scott 496



10c Orange Yellow
Scott 497

POSTAGE

1916-1918 COIL ISSUE

COIL PAIRS

Rotary Press, Perforated 10 Horizontally, Unwatermarked



1c Green
Scott 486



2c Carmine
Scott 487



2c Carmine
Scott 488



3c Violet
Scott 489

Rotary Press, Perforated 10 Vertically, Unwatermarked



1c Green
Scott 490



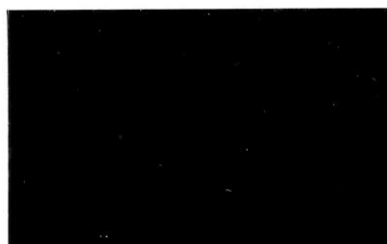
2c Carmine
Scott 491



2c Carmine
Scott 492



3c Violet
Scott 493



3c Violet
Scott 494



4c Orange Brown
Scott 495



5c Blue
Scott 496



10c Orange Yellow
Scott 497

POSTAGE

1916-1918 COIL ISSUE

COIL JOINT LINE PAIRS

Rotary Press, Perforated 10 Horizontally, Unwatermarked



1c Green
Scott 486



2c Carmine
Scott 487



2c Carmine
Scott 488



3c Violet
Scott 489

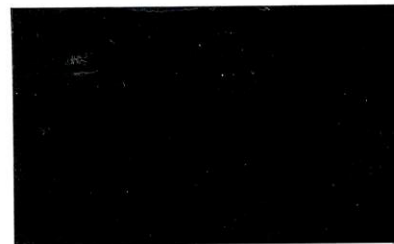
Rotary Press, Perforated 10 Vertically, Unwatermarked



1c Green
Scott 490



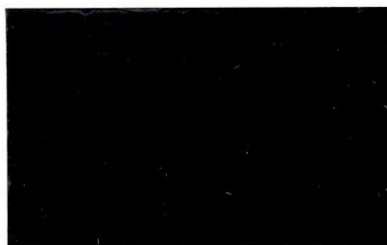
2c Carmine
Scott 491



2c Carmine
Scott 492



3c Violet
Scott 493



3c Violet
Scott 494



4c Orange Brown
Scott 495



5c Blue
Scott 496



10c Orange Yellow
Scott 497

Lighthouse
Lighthouse

POSTAGE

1917-1919 REGULAR ISSUE

Perforated 11, Flat Plate, Unwatermarked

The Bureau had switched from perf 12 to perf 10 to address criticism that the stamps separated too easily. However, the perf 10 stamps had the opposite effect, often causing users to tear their stamps when separating. Facing vocal public criticism, Third Assistant Postmaster General Dockery experimented with making a perf 11 issue (Scott 461), which were deemed

satisfactory by test users. However, due to the frugality of wartime conditions the Bureau did not change to the new perf 11 wheels until almost two years later, when all of the old perf 10 wheels had worn out.

This issue was printed for several years, until it was gradually phased out by the 1922-25 Issue (Scott 551-573).



1c Green
Scott 498



2c Rose, Type I
Scott 499



2c Deep Rose, Type Ia
Scott 500



3c Light Violet, Type I
Scott 501



3c Dark Violet, Type II
Scott 502



4c Brown
Scott 503



5c Blue
Scott 504



5c Rose, error
Scott 505



6c Red Orange
Scott 506



7c Black
Scott 507

Lighthouse
Leuchtturm

POSTAGE

1917-1919 REGULAR ISSUE

Perforated 11, Flat Plate, Unwatermarked



8c Olive Bister
Scott 508



9c Salmon Red
Scott 509



10c Orange Yellow
Scott 510



11c Light Green
Scott 511



12c Claret Brown
Scott 512



13c Apple Green
Scott 513



15c Gray
Scott 514



20c Light Ultramarine
Scott 515



30c Orange Red
Scott 516



50c Red Violet
Scott 517



\$1.00 Violet Brown
Scott 518

POSTAGE

1918-1920 ISSUES

Perforated 11, Flat Plate, Unwatermarked

In 1918 new bicolored \$2.00 and \$5.00 stamps superseded the old 1902 Series designs perforated 10 on unwatermarked paper. They were issued just a few months after the 24c Inverted Jenny.

According to Johl, the \$2.00 Orange Red & Black was a color error on the part of the Bureau of Engraving & Printing. The official description and order for the bi-color stamps specified "Red and Black" for the \$2.00. When subsequent printings appeared in 1920 and phi-

latelists brought the matter to the attention of the Bureau, they were told "this stamp has always been this color" (Johl, p. 306).

From studies of Bureau and Post Office records, it is clear that the originally intended color was not issued until November 1920 (Scott 547), and that the earlier Orange Red stamps were mistakes. The quantity issued has been variously estimated at between 47,000 and 68,000.



\$2.00 Orange Red
& Black
Scott 523



\$5.00 Deep Green
& Black
Scott 524



\$2.00 Carmine
& Black
Scott 547

POSTAGE

1918-1920 OFFSET ISSUE

Perforated 11, Offset Printing, Unwatermarked

Due to a problem with inks, the Bureau discovered that high-volume plates were wearing out faster than they could be replaced. To meet the demand for 3c stamps created by the November 1917 rate change, the cheaper and faster offset-printing presses were used.

The 1c and 3c 1918 Offset stamps are comparatively crude products, but they were necessary under the circumstances. In 1920 another ink problem arose and

forced the use of offset printing for the 2c. The different types recognized by philatelists were created in the photo-lithographic process used to make the plates for offset printing.

The imperforate offset-printed sheets were provided to vending- and affixing-machine companies for private perforation. Certain imperforate types were issued in extremely small quantities and are very rare.



1c Gray Green
Scott 525



2c Carmine, Type IV
Scott 526



2c Carmine, Type V
Scott 527



2c Carmine, Type Va
Scott 528



2c Carmine, Type VI
Scott 528A



2c Carmine, Type VII
Scott 528B



3c Violet, Type III
Scott 529



3c Purple, Type IV
Scott 530

Lighthouse
Leuchtturm

POSTAGE

1918-1920 OFFSET ISSUE

Imperforate, Offset Printing, Unwatermarked



1c Green
Scott 531



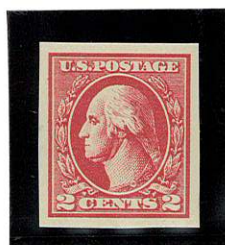
2c Car. Rose, Type IV
Scott 532



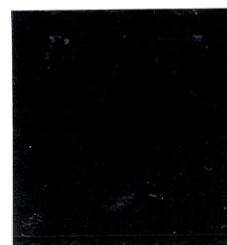
2c Carmine, Type V
Scott 533



2c Carmine, Type Va
Scott 534



2c Carmine, Type VI
Scott 534A



2c Carmine, Type VII
Scott 534B



3c Violet, Type IV
Scott 535

Perforated 12½, Offset Printing, Unwatermarked



1c Gray Green
Scott 536

POSTAGE

1919-1921 ROTARY WASTE

The rotary press, first used for printing coil stamps in 1915, was a new printing method designed for rapid production. At the beginning or end of a coil-stamp print run from the 170-subject plates, some leading or trailing paper was produced that was too short for rolling into 500-stamp rolls. Sheet stamps printed from 400-subject plates also produced some waste that was set aside.

In 1919 the Bureau devised a plan to salvage this waste by perforating and cutting the sheets into panes. They were put through the 11-gauge flat-plate perforator in use at the time, giving the sheets full perforations on all sides.

Depending on whether they were perforated during an earlier stage of production, the sheets were put through the flat-plate perforator in either one or two directions.

The first stamps issued under the program were coil-waste sheets already perforated 10 in one direction and are listed as Scott 538-541. Another was already perforated 10 on all sides, and some had not yet been perforated and were then perforated 11 on all sides.

Perforated 11 x 10, Design 19½-20 x 22-22¼ mm



1c Green
Scott 538



2c Car. Rose, Type II
Scott 539



2c Car. Rose, Type III
Scott 540



3c Violet, Type II
Scott 541

Perforated 10 x 11
Design 19 x 22½-22¾ mm



1c Green
Scott 542

Perforated 10
Design 19 x 22½ mm



1c Green
Scott 543

Perforated 11
Design 19½-20 x 22 mm



1c Green
Scott 545



2c Car. Rose, Type III
Scott 546