

turned cover - 20 x 3 cents per 1/2 oz.

surety bond - illegal revenue use - **5 examples on document**

50 cent flat rate – 10/1/62 to 8/1/64 – a 30 cent on piece is recorded



reduced photocopy of first usage of turned cover

Thirty Cent Value

International Destinations

French mail
British packet
to Malta

30 cents per 1/4 oz.

4/57 - 1/70

5 covers recorded

all pay single rate



Hingham "bat" cancel

French treaty mail

British packet

to Greece

30 cents per 1/4 oz.

4/57 - 1/70

French mail
British packet
to Smyrna, Turkey in Asia

30 cents per 1/4 oz.

4/57 - 1/70



Thirty Cent Value

International Destinations

French mail

American packet to Calais

to **Burma**

30 cents per 1/4 oz.

4/57 - 1/68



French mail

British Service

to **Wellington, India,**

miss sent to **Wellington, NZ**

30 cents per 1/4 oz.

4/57 - 1/68

British mail, American packet

to **Andaman Islands - India**

33 cents per 1/2 oz.

e4/59 - 1/68

treated as fully paid at the 30

cent French mail rate



British mail

via Marseilles

to **Natal, Cape Colony**

45 cents : 1/4 - 1/2 oz.

7/57 - 1/68

Thirty Cent Value

British mail
via GB, care of US consul
to **St. Helena**
33 cents per 1/2 oz.
5/54 – 6/63



British mail
to **Cape of Good Hope**
33 cents per 1/2 oz.
7/57 – 1/68

British mail
to **Cape Coast Castle**
(Gold Coast)
33 cents per 1/2 oz.
7/57 – 1/68



Thirty Cent Value

Northern European Destinations

Prussian Closed Mail

to Denmark

35 cents per 1/2 oz.

1/68 - 1/70



Bremen - Hamburg mail

via Bremen

to Sweden

33 cents per 1/2 oz.

7/57 - 2/67

Prussian closed mail

to Russia

35 cents per 1/2 oz.

5/63 - 1/68



Thirty Cent Value

Asian Destinations

British mail
via Marseilles
to Macao,
Portuguese China
53 cents up to 1/2 oz.
6/63 - 1/68



British mail
via Marseilles
to Philippines
57 cents : 1/4 - 1/2 oz.
12/61 - 6/63

British mail
via Marseilles
to Shanghai, China
57 cents : 1/4 - 1/2 oz.
12/61 - 6/63



Ninety Cent Value: EDU November, 1861



blue



pale blue



dark blue



dull blue



small flaws e



largest recorded multiple

ex Ishikawa





Prussian closed mail to **Germany**

4 x 28 cents per 1/2 oz. : 9/61 - 1/68

signed Ashbrook e



British mail, American packet via **Fernando Po**
to **Corisco Island**, now claimed by **Equatorial Guinea**

8 x 33 cents per 1/2 oz. : 5/54 - 1/68

only recorded example : signed Ashbrook e

British transit to North German Union 6 x 15 cents per 1/2 oz.

2 1/2 oz. to 3 oz. 1/68 - 7/70 e

U. S. Patent Office.

OFFICIAL BUSINESS.

Miss S. Grinnell

Chief Clerk.

84
 Mr. Charles Rubens
 75. Avenue des Champs Elysees
 Paris
 France.



6 x 15 cents per 7 1/2 grams via French packet to France : 4/57-1/70. Credit changed from 72 to 84 and back to correct 72 for 6 rates confusion caused by difference between 1/4 oz. (U. S.) and 7 1/2 grams (French). cleaned and repaired e

31 x 3 cents per 1/2 oz. for 15 - 15 1/2 oz. used for the shipping of photographer's copper plates e
 only recorded domestic use on intact full cover

If not called for in ten days, return to

JOHN D. STRUNK,
 PHOTOGRAPHER,
 730 PENN STREET,
 READING, PA.

Amelia L. Glase
 Oley PA



To mail Chamber to England.

Book Post

Legal Documents.

From R. Edgewood
 Thompson's Station L.S.

Wm. Parkes Esq.
 Solicitor
 East Grinstead



book post: to Great Britain 13 times 8 cents per 1/2 oz. only recorded example cleaned, stamps reattached e



French treaty mail, British packet to **Hong Kong**

6 x 30 cents per 1/4 oz. : 4/57 - 1/70

cleaned and refolded where stamps overlapped cover



British mail via GB to **Uruguay**

4 x 45 cents per 1/2. oz. : 1/61 - 1/68

4 uses are recorded from this correspondence: all are fronts

Early Grill Experiments

Charles F. Steel

Grill Experiments Illustrated in Patent 70,147 by Charles F. Steel, October 22, 1867



lithographed die essays on wove paper, unprinted area embossed and grilled points down

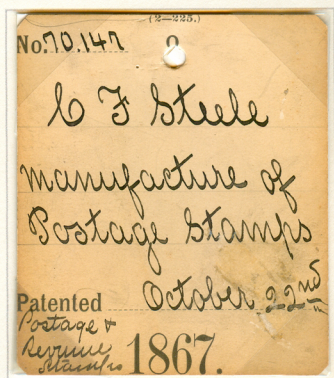
all rights were licensed to the National Bank Note Company

trial cancel from Washington, DC

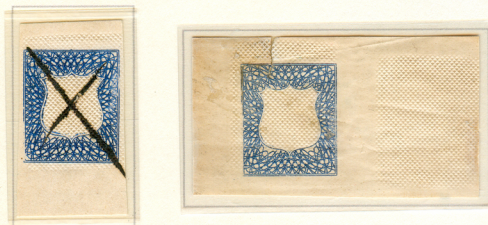


Post Office approval of "Steel Nature"

only recorded example



early experiments in grilling including patterns of grills over all-over grills only recorded examples



individually grilled diagonally and embossed, then printed and gummed trial cancel, to test whether printing or grilling should come first



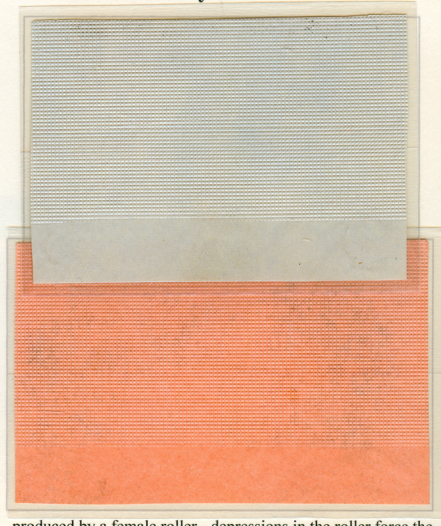
test of embossing with central design, ungrilled

Early Grill Experiments



"First experiment of grill" - 3 examples recorded

Production by Female and Male Rollers



produced by a female roller - depressions in the roller force the paper up into the depressions, forming pyramidal bosses, points up



test of ink penetration - only recorded example - sample produced by a male roller, projections on the roller piercing the paper, in this instance from the reverse, forming sharp horizontal ridges, points up



tests of ink penetration - samples produced by male roller, pyramidal bosses, points down - only recorded examples

Early Grill Experiments

Essay Grills Covering the Entire Stamp

Music Box Grills



trial cancel



regular points up



irregular points up



irregular points down



N.Y. SEP. 24, 1867

only recorded example



pink

trial cancel



misperforated



India proof paper



points down - boxy ridges



partially grilled



rose



trial cancel



black



unprinted



lake



preprinting paper creases

Essay and Issued Grills Covering the Entire Stamp

"A" Grills



points up



points down
horizontal ridges



NY P.O. cancel used to test grilling



shooting star

5 examples recorded

2 examples recorded

First Issued Grills - the "A" Grills



e



female roller - points up - EDU AUG 13, 1867



imperf pair



irregular block of 3 e



4 used examples recorded e

4 unused examples are essays - 8 used examples of the thirty cent "A" grill are also recorded



4 blocks recorded e

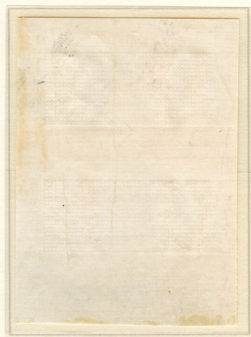


earliest documented use - August 13, 1867 - 4 covers recorded e

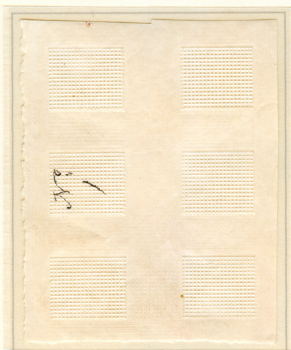
Experiments in Grill Production

Reduced Grill Size - Female Rollers - "C" Grills

First Essays Points Up – Later Essays Were Points Down



partial erasure - coated paper



16-16 1/2 x 19-19 1/2 points e



16-16 1/2 x 19-20 points

Planing down of "A" grill rollers produced "C" grill rollers with depressions of varying sizes.

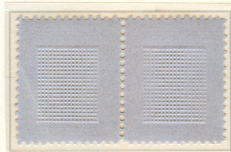
The "A" grills weakened the stamps and required too much pressure to produce quickly.



16 x 19 points
coated paper



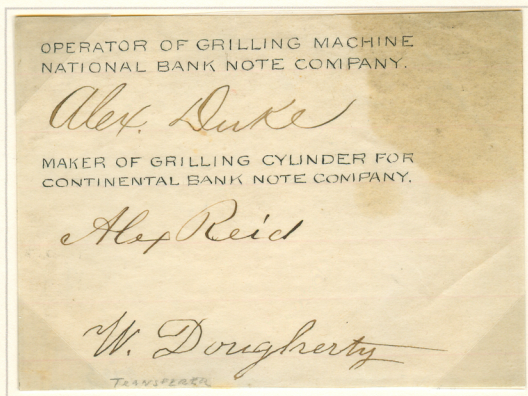
16 1/2 x 18 1/2
points



16 1/2 x 19
points



16 1/2 x 19 1/2
points



only recorded example