



PAPERMAKING AT HAYLE MILL



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HAYLE MILL

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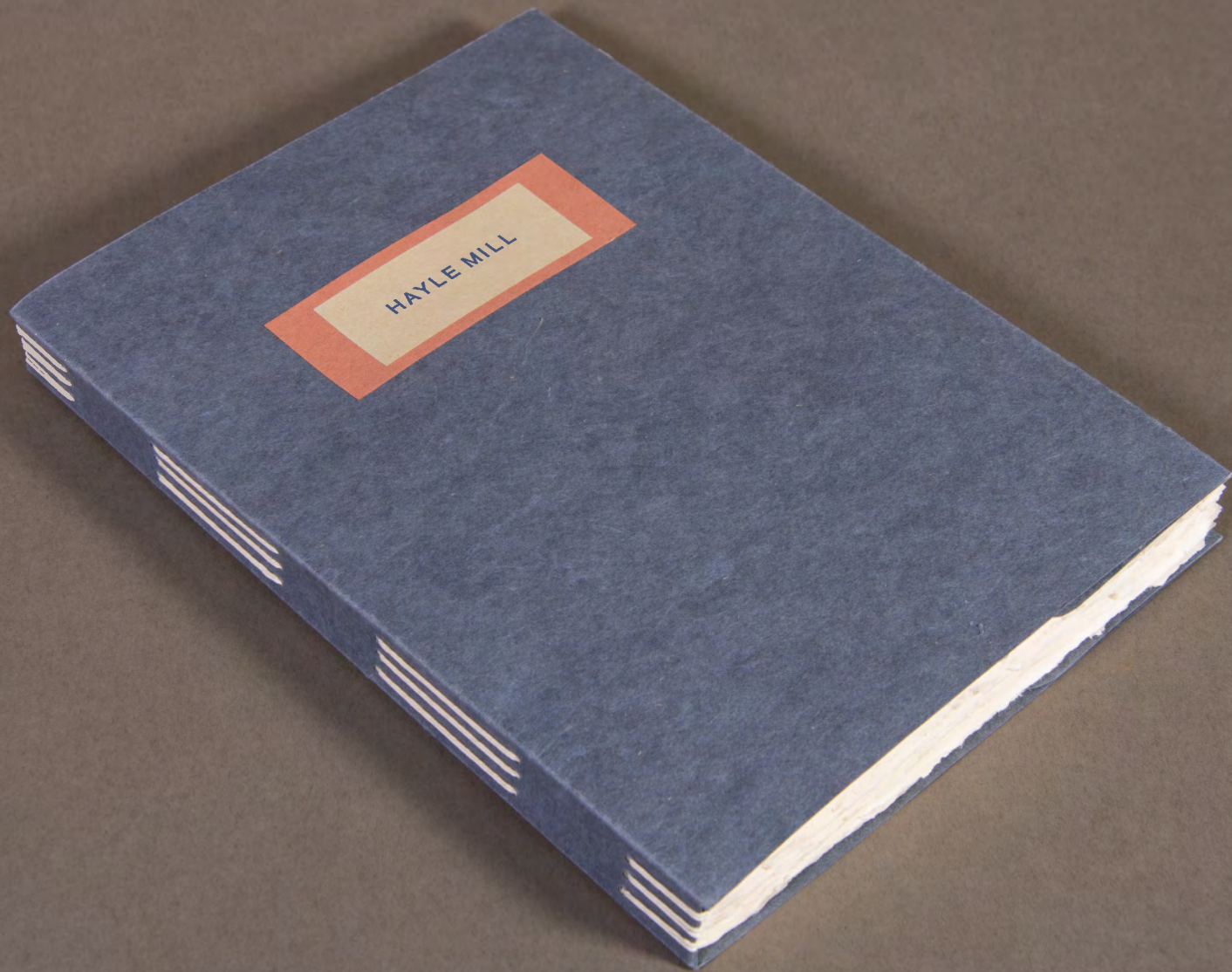
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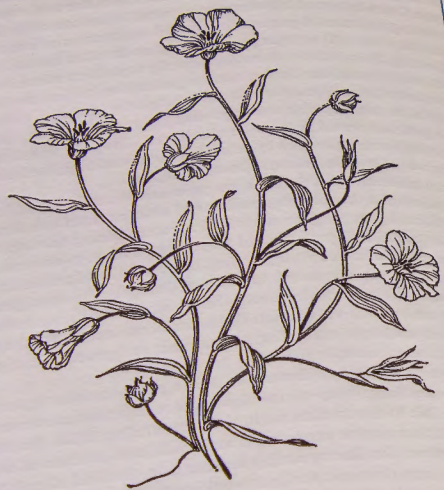




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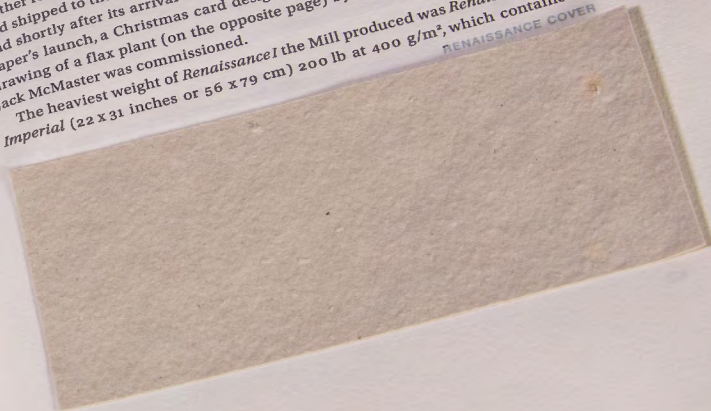




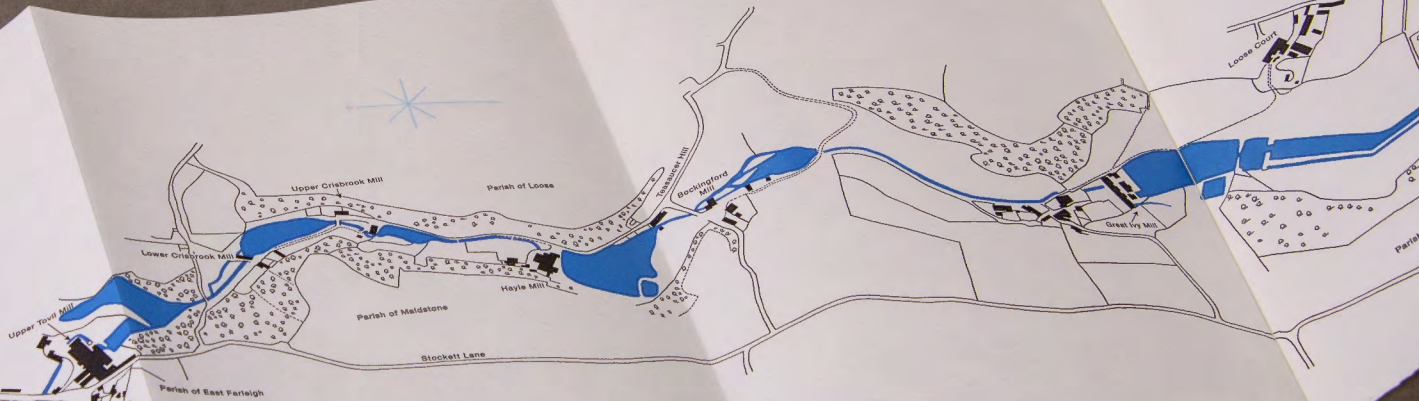
Linum usitatissimum

the bark and shive. The by-product of this, referred to in the trade as 'tow', was then sent to the tow-scutch or cleaner. The resulting scutched fibre was the prime raw material used in most flax spinning mills' spinning line-yarns. The varying types of waste produced during the making of fine textile yarn were used for other industrial applications, especially those bi-products made from carding and combing the fibre. These shorter fibres, which cannot be adequately spun into linen, have traditionally been purchased by the papermaking industry, most notably for making currency or cigarette papers. In the case of preparing the fibre for use at Hayle Mill, the fibre was also chopped to 9 mm (0.351 inch) lengths, boiled in water at slight pressure with the inclusion of 10 percent sodium carbonate (soda ash) for about thirty minutes at 110 to 115°C (230 to 239°F), then rinsed with clean water at 90°C (194°F) to avoid precipitating residues. After this, the fibre was rinsed several more times to remove any further residue and dried. Once the fibre had been prepared, it was then packed and shortly after its arrival the paper was put into production. To celebrate the paper's launch, a Christmas card designed and illustrated with a pen-and-ink drawing of a flax plant (on the opposite page) by Canadian designer and artist Jack McMaster was commissioned.

The heaviest weight of *Renaissance I* the Mill produced was *Renaissance Cover Imperial* (22 x 31 inches or 56 x 79 cm) 200 lb at 400 g/m², which contained a



THE LOOSE VALLEY 1856
WITH THE MILLS ON LOOSE STREAM



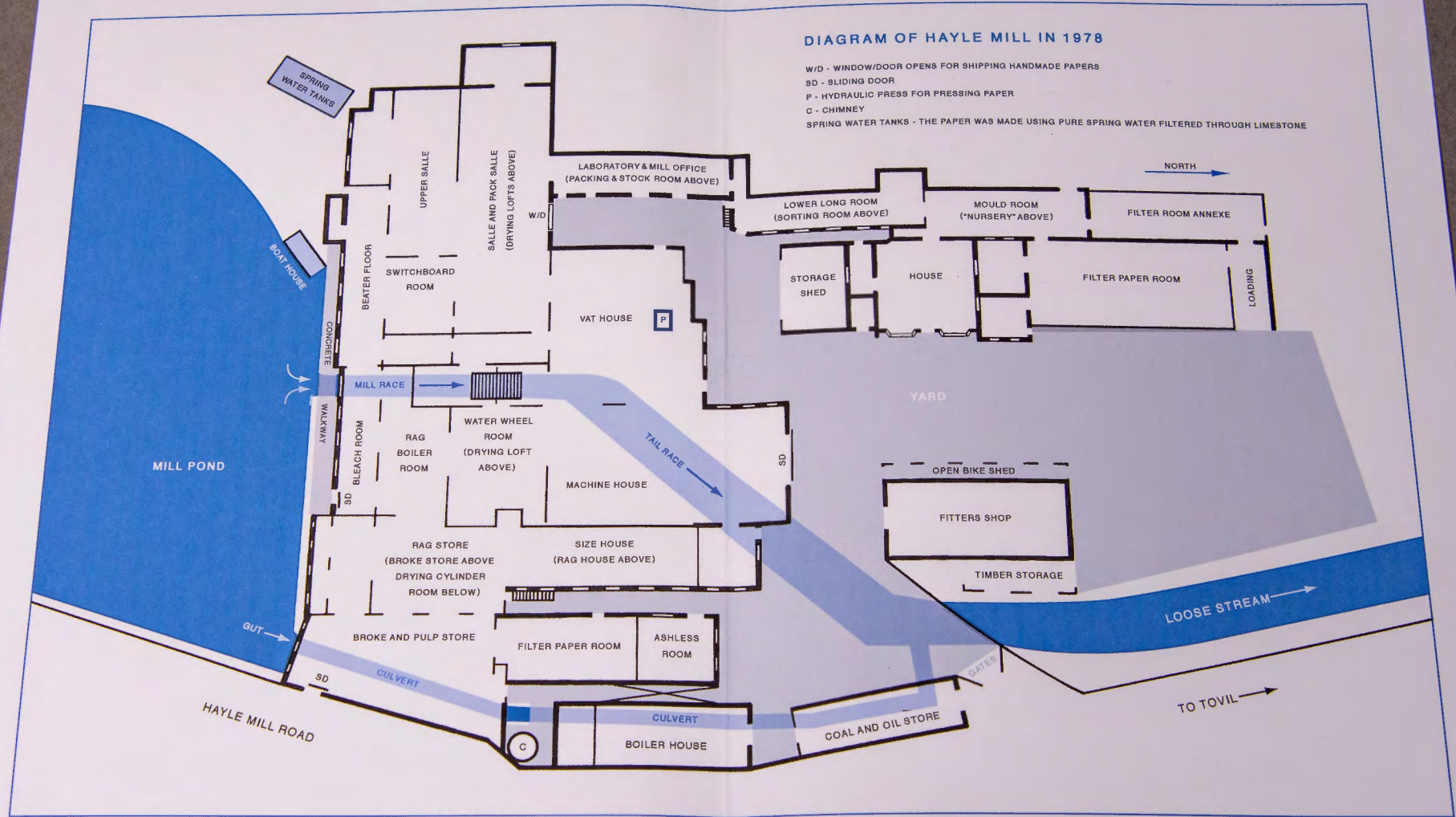
THE LOOSE VALLEY 1856
WITH THE MILLS ON LOOSE STREAM



MILL PHOTOGRAPHS

DIAGRAM OF HAYLE MILL IN 1978

W/D - WINDOW/DOOR OPENS FOR SHIPPING HANDMADE PAPERS
 SD - SLIDING DOOR
 P - HYDRAULIC PRESS FOR PRESSING PAPER
 C - CHIMNEY
 SPRING WATER TANKS - THE PAPER WAS MADE USING PURE SPRING WATER FILTERED THROUGH LIMESTONE





COLLECTION OF SIMON BARCHAM GREEN

5 MRS YARD PREPARING RAGS ON A RAG HURDLE 1947



COLLECTION OF SIMON BARCHAM GREEN

ALBERT EPSLEY L LANGLEY

MISS WEBB

ANNIE PIPER

13 SIZE MACHINE 1921



COLLECTION OF SIMON BARCHAM GREEN

WALTER WEEDON C MILLS MARGARET SMITH AMY SAXBY H WOOD
OLIVE HADLER MARIA HADLER

FRED EVE

15 SALLE 1921



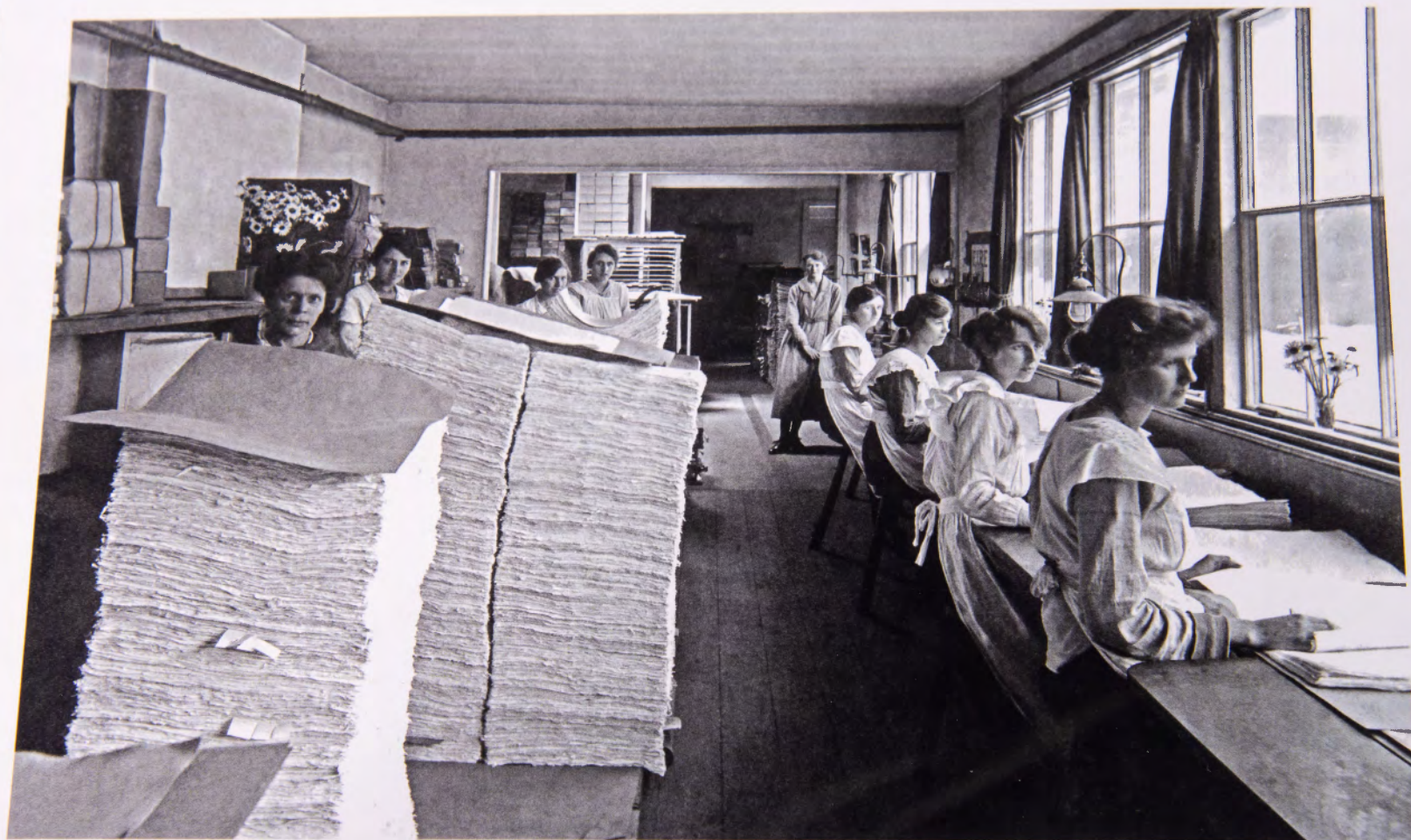
WOMEN NOT IDENTIFIED

FRED EVE

— WALTER WEEDON

COLLECTION OF SIMON BARCHAM GREEN
CHARLIE MILLS

16 SALLE SHOWING THE PLATE GLAZING MACHINE 1929



COLLECTION OF SIMON BARCHAM GREEN

ELLEN CRAYFORD
IRENE FULLAGER

MISS LOWN VIOLET KEMP

LENA PIPER MAUD MARTIN ANNIE PIPER
MISS PARKHURST OLIVE COULTER

17 PICKING AND STOCK ROOM 1921

HAYLE MILL DIAGRAM SHOWING WATER FLOW 1978

1 MILL ENTRANCE 1921

2 MILL AND MILL POND 1883

3 HAYLE MILL CIRCA 1880

4 RAG HOUSE

5 MRS YARD PREPARING RAGS ON THE RAG HURDLE 1947

6 BEATER FLOOR 1921

7 HAYLE MILL VAT CREW CIRCA 1870

8 VATMAN ARTHUR WHATMORE FORMING A SHEET 1933

9 VAT HOUSE 1921

10 DENNIS AVENALL AT THE HYDRAULIC PAPER PRESS 1967

11 DRYING LOFT 1921

12 HANGING PAPER IN THE DRYING LOFT USING THE TRADITIONAL METHOD 1921

13 SIZE MACHINE 1921

14 DRYING SIZED PAPER ON HESSIAN TREBBLES 1921

15 SALLE 1921

16 SALLE SHOWING THE PLATE GLAZING MACHINE 1929

17 PICKING AND STOCK ROOM 1921

18 GEORGE MARTIN TAKING A LOAD OF PAPER FROM HAYLE MILL TO TOVIL RAILWAY SIDINGS 1933

19 NORMAN PETERS FORMING A SHEET 1977

SAMPLE PAPERS



RENAISSANCE II - IMPERIAL - LAID - NOT - 40LB - 83G/M²

RENAISSANCE II - IMPERIAL - LAID - NOT - 40LB - 83G/M²

RENAISSANCE III - IMPERIAL - NOT - 65LB - 111G/M²

RENAISSANCE IV - IMPERIAL - NOT - 140LB - 285G/M²

NEFERTITI - ROYAL - NOT - 40LB - 120G/M²

BODLEIAN LIGHT TONED - SUPER ROYAL - NOT - 32LB - 90G/M² - 1987

CHATHAM - FLAXEN - WOVE - ROYAL - NOT - 65LB - 185G/M²

APTA - IMPERIAL - LAID - ROUGH - 90LB - 180G/M²

DE WINT - IMPERIAL - NOT - 90LB - 185G/M²

CAIRO (EGYPTIAN I) - IMPERIAL - NOT - 90LB - 140G/M² - DEC 1981

EGYPTIAN VELLUM - ROYAL - HP - 50LB

RWS - 18 X 20 IN - ROUGH - 55LB - 240G/M² - 1984

GREEN'S PASTELESS BOARDS - IMPERIAL - ROUGH - 300LB (UNLABELED)



REMASSANCE II
KANTON
100% NATURAL FIBRE
100% NATURAL FIBRE
100% NATURAL FIBRE

DE WIT
WPERAL-NOT-303-186G/K

KANTON
WPERAL-NOT-303-186G/K

CANTINA
FALSB-100E-MONK-NOT-613-183G/K

ROSEDA
LIDIT-TONES-SUPER-KONV-NOT-213-803-81-183G

NEFFETTI
ROKAL-NOT-413-120G/K

REMASSANCE II
MFERAL-NOT-1413-285G/K

REMASSANCE II
MFERAL-NOT-5513-111G/K

REMASSANCE II
MFERAL-LIDIT-NOT-4113-183G/K