

Send fee claim to
Harris for payment
17 May 76
TWA

H. M. APPLEYARD F.T.I.

Fellow of the Royal Microscopical Society

Textile Consultant: Microscopy and Fibre Identification

8 BRIDLE STILE, SHELF, HALIFAX, HX3 7NW

Telephone: Bradford 677617

May 1st 1976.

Ref. HX 15

The following is my report on the the fragments from
Buxton Fleasing.

Several preparations were made as follows:

- (1) small fragments were mounted in liquid paraffin
- (2) small pieces were left in (a) glycerin for three days in an attempt to soften the material, and (b) in clove oil to clear any skin tissue that might be present
- (3) small fragments were semi-embedded in gelatin.

Results of Microscopical examination

Short pieces of fibres were found and I am sure from their appearance that they are of animal origin. Because of the amount of degradation that has taken place, and the amount of mineral deposits positive identification of fibre type could not be made. However I am almost certain on two points (1) that these fibres contained some pigment granules and (2) that one of the coarser fibres was medullated. There was some slight evidence of scale structure on a few fibres but not sufficient for identification purposes.

After clearing on clove oil and softening in glycerin I am almost certain that there are a few remains of skin tissue: a few pieces were found that resembled connective tissue from dermis and one other piece appeared to have some cellular structure.

I am afraid that I cannot be any more definite than this.

Yours faithfully

H.M. Appleyard