DATED 3 May 2013

TRIAL OF THE PYX 2013

in accordance with

the Coinage Act 1971,
the Trial of the Pyx Order 1998 and
the Trial of the Pyx (Amendment) Orders 2005 and 2012

VERDICT

of the Jury

TRIAL OF THE PYX 2013 – UNITED KINGDOM COINAGE

VERDICT OF THE JURY

1. Declaration

(A) We, the members of the Jury, were duly sworn on 5 February 2013 before the Queen's Remembrancer at Goldsmiths' Hall in the City of London to assay gold, platinum, silver Maundy, silver, gold-plated silver, cupro-nickel, nickel-brass, bimetallic and kilogram coins of Her Majesty, which were produced to us by officers of the Royal Mint. Accounts of the Deputy Master of the Royal Mint were produced to us and showed that the coins were made by the Royal Mint in accordance with the Coinage Act 1971 (the "**Act**") and various Proclamations and were ready for issue between 1 January 2012 and 31 December 2012.

(B) We ascertained the number of coins in each packet produced to us and we confirmed that it corresponded with the number which the officers of the Royal Mint represented each packet to contain.

(C) In this verdict any reference to a permitted variation from the standard weight, fineness, composition or diameter is to such variation from the standard weight, fineness, composition or diameter as is permitted under the Act and the Proclamations.

2. Gold coins

(A) We took out one coin from each of the single packets of gold coins.

(B) We weighed in bulk the coins taken out and found that they were within the permitted variation from the standard weight, the variation being point zero three grams above (+0.03) the standard weight.

(C) Next we melted the weighed 916.66 ppt Britannia coins into an ingot and assayed it, comparing it with the standard trial plate of gold, and found that the metal of the ingot was within the permitted variation from the standard fineness, the variation being one point zero above (+1.0) the standard fineness.

(D) Next we melted the weighed 999.9 ppt Britannia coins into an ingot and assayed it, comparing it with the standard trial plate of gold, and found that the metal of the ingot was within the permitted variation from the standard fineness, the variation being point zero seven above (+0.07) the standard fineness.

(E) Next we melted the weighed ten pounds 5 oz coins into an ingot and assayed it, comparing it with the standard trial plate of gold, and found that the metal of the ingot was within the permitted variation from the standard fineness, the variation being point four above (+0.4) the standard fineness.

(F) Then we melted the other weighed coins into an ingot and assayed it, comparing it with the standard trial plate of gold, and found that the metal of the ingot was within the permitted variation from the standard fineness, the variation being point nine above (+0.9) the standard fineness.

(G) We weighed in bulk the residue of the coins remaining in the packets of gold coins and found that they were within the permitted variation from the standard weight, the variation being three point four one grams above (+3.41) the standard weight.

(H) We took out of the residue three of the one hundred pounds 999.9 ppt Britannia coins and weighed them in bulk and found that they were within the permitted variation from the standard weight, the average variation being twenty three milligrams above (+23) the standard weight.

(I) We then took out of the residue, except for the coins of one hundred 999.9 ppt Britannia, three coins of each type and weighed and assayed them separately.

(J) We found that each of the coins weighed separately was within the permitted variation from the standard weight, the least to the greatest of the variations in milligrams being:

for the coins of one hundred pounds 916.66 ppt Britannia:	eleven above (+11), thirty-six above (+36) and forty-two above (+42) standard weight;
for the coins of fifty pounds Britannia:	four below (-4), twelve below (-12) and thirteen below (-13) standard weight;
for the coins of twenty-five pounds Britannia:	two above (+2), ten below (-10) and thirteen above (+13) standard weight;
for the coins of ten pounds Britannia:	one above (+1) and nine above (+9) standard weight;
for the coins of ten pounds 5 oz:	forty above (+40), two hundred and sixty-one above (+261) and four hundred and twenty below (-420) standard weight;
for the coins of five pounds:	twelve above (+12), fourteen above (+14) and seventeen above (+17) standard weight;
for the coins of two pounds:	three above (+3), seventeen above (+17) and eighteen below (-18)

	standard weight;
for the coins of one pound:	seven below (-7), eight above (+8) and twenty-five above (+25) standard weight;
for the coins of fifty pence Pied Forte:	twelve above (+12), eighteen below (-18) and thirty-two above (+32) standard weight;
for the coins of twenty pence:	four below (-4) and eleven above (+11) standard weight;
for the coins of ten pence:	two below (-2), fifteen above (+15) and sixteen below (-16) standard weight;
for the coins of five pence:	eight above (+8) and twelve above (+12) standard weight;
for the coins of two pence:	one below (-1), seven above (+7) and eight below (-8) standard weight;
for the coins of one pence:	five above (+5), twelve above (+12) and sixteen below (-16) standard weight;
for the sovereigns:	five above (+5) and seven above (+7) standard weight;
for the half-sovereigns:	two below (-2) and four below (-4) standard weight; and
for the quarter-sovereigns:	one below (-1) and two above (+2) standard weight.

(K) Finally, we found that each of the coins assayed separately was within the permitted variation from the standard fineness, the least to the greatest of the variations in parts per thousand being:

for the coins of one hundred pounds 999.9 ppt Britannia :	point zero six above (+0.06), point zero seven above (+0.07) and point zero eight above (+0.08) standard fineness;
for the coins of one hundred pounds 916.66 ppt Britannia :	point four above (+0.4), point eight below (-0.8) and point eight above

	(+0.8) standard fineness;
for the coins of fifty pounds Britannia:	point one above (+0.1), point four above (+0.4) and point five above (+0.5) standard fineness;
for the coins of twenty-five pounds Britannia:	point two below (-0.2), point six below (-0.6), and point seven above (+0.7) standard fineness;
for the coins of ten pounds Britannia:	point three above (+0.3), point five above (+0.5) and point six above (+0.6) standard fineness;
for the coins of ten pounds 5 oz:	point four above (+0.4) and point five above (+0.5) standard fineness;
for the coins of five pounds:	point two below (-0.2), point four below (-0.4) and one point zero above (+1.0) standard fineness;
for the coins of two pounds:	point four above (+0.4), point seven above (+0.7) and one point two above (+1.2) standard fineness;
for the coins of one pound:	point one above (+0.1), point eight above (+0.8) and one point five above (+1.5) standard fineness;
for the coins of fifty pence Pied Forte:	point two above (+0.2), point six above (+0.6) and point eight above (+0.8) standard fineness;
for the coins of fifty pence:	point three above (+0.3), one point five above (+1.5) and one point eight above (+1.8) standard fineness;
for the coins of twenty pence:	point three above (+0.3) and one point five above (+1.5) standard fineness;
for the coins of ten pence:	point two above (+0.2), point three below (-0.3) and point eight above (+0.8) standard fineness;
for the coins of five pence:	point two above (+0.2), one point zero above (+1.0) and one point

	one above (+1.1) standard fineness;
for the coins of two pence:	point one below (-0.1), point five above (+0.5) and one point six above (+1.6) standard fineness;
for the coins of one pence:	point seven above (+0.7), one point one above (+1.1) and one point six above (+1.6) standard fineness;
for the sovereigns:	point seven below (-0.7), one point three above (+1.3) and one point six above (+1.6) standard fineness;
for the half-sovereigns:	point four above (+0.4) and point eight above (+0.8) standard fineness; and
for the quarter-sovereigns:	point two above (+0.2), point four below (-0.4) and one point five above (+1.5) standard fineness.

3. Kilogram coins

(A) We took out all of the coins from the packets of kilogram coins, weighed each of the coins separately and found that each coin was on the whole within the permitted variation from the standard weight, the least to the greatest of the variations in grams being:

for the gold kilogram coins:	point eight two above (+0.82), one point two eight above (+1.28), one point three two above (+1.32) three point zero one below (-3.01), three point six one below (-3.61) and three point six three below (-3.63) standard weight; and
for the silver kilogram coins:	seven point seven nine below (-7.79), seven point eight five below (-7.85), seven point nine nine below (-7.99), eight point one five below (-8.15), eight point one five below (-8.15) and eight point one seven below (-8.17) standard

weight.

(B) We then assayed each of the kilogram coins by comparing:

(i) the gold kilogram coins with the standard trial plate of gold, and found that the metal of each coin was within the permitted variation from the standard fineness, the variations in parts per thousand being point eight above (+0.8), point nine above (+0.9), point nine above (+0.9), point nine above (+0.9), point nine above (+0.9) and point nine above (+0.9) the standard fineness; and

(ii) the silver kilogram coins with the standard trial plate of silver, and found that the metal of each coin was within the permitted variation from the standard composition, the variations in parts per thousand being point five above (+0.5), point eight above (+0.8), point nine above (+0.9), point nine above (+0.9), point nine above (+0.9) and point nine above (+0.9) the standard fineness.

4. Platinum coins

(A) We took out all of the coins from the packets of platinum coins and weighed them in bulk and found that they were on the whole within the permitted variation from the standard weight, the variation being three point six four grams below (-3.64) the standard weight.

(B) We then assayed three coins from the packets of platinum coins, comparing them with the standard trial plate of platinum, and found that the metal of the coins was on the whole within the permitted variation from the standard composition, the variation being two point five parts per thousand above (+2.5) the standard fineness.

5. Silver Maundy coins

(A) We took out all of the coins from the packets of silver Maundy coins and weighed them in bulk and found that they were on the whole within the permitted variation from the standard weight, the variation being point zero one grams below (-0.01) the standard weight.

(B) We then assayed all of the silver Maundy coins, comparing them with the standard trial plate of silver, and found that the metal of the coins was on the whole within the permitted variation from the standard fineness, the variation being one point seven parts per thousand above (+1.7) the standard fineness.

6. Silver coins other than Maundy coins or Kilogram coins

(A) We ascertained that the coins in the packets of two pounds 999 ppt Britannia coins, the coins in the packets of two pounds 958.4 ppt Britannia coins, the coins in the packets of one pound Britannia coins, the coins in the packets of five pounds Pied Forte coins, the coins in the packets of five pounds coins, and the coins in the packets of ten pounds 5 oz coins weighed more than one kilogram and that the coins in the packets of the other denominations weighed less than one kilogram.

(B) We ascertained that the coins in the packets of the other denominations weighed more than five hundred grams.

(C) We took out from the packets of two pounds 999 ppt Britannia coins sufficient coins to create a lot weighing as close as possible to one kilogram but not more than one kilogram. We found that they were within the permitted variation from the standard weight, the average variation in grams being point zero two below (-0.02) the standard weight.

(D) We took out from the packets of two pounds 958.4 ppt Britannia coins, one pound Britannia coins, five pounds Pied Forte coins, five pounds coins and ten pounds 5 oz coins a sufficient number of coins and grouped them into lots, each lot weighing as close as possible to one kilogram but not more than one kilogram.

(E) We then weighed each lot in bulk and found that it was on the whole within the permitted variation from the standard weight, the variation in grams being:

for the lot of two pounds 958.4 ppt Britannia:	two point one eight above (+2.18) standard weight;
for the lot of one pound Britannia	point three five below (-0.35) standard weight;
for the lot of five pounds Pied Forte:	one point one two above (+1.12) standard weight;
for the lot of five pounds:	zero point four four above (+0.44) standard weight;
for the lot of ten pounds 5 oz:	zero point one seven below (-0.17) standard weight.

(F) We weighed in bulk the residue of the coins remaining in the packets of two pounds 999 ppt Britannia coins, two pounds 958.4 ppt Britannia coins, one pound Britannia coins, five pounds Pied Forte coins, five pounds coins and ten pounds 5 oz coins and found that they were on the whole within the permitted variation from the standard weight, the variation in grams being one point zero six above (+1.06) the standard weight.

(G) We took out all of the coins of each denomination, except for the two pounds 999 ppt Britannia coins, the two pounds 958.4 ppt Britannia coins, the one pound Britannia coins, the five pounds Pied Forte coins, the five pounds coins, and ten pounds 5 oz coins, and weighed them in bulk and found that they were on the whole within the permitted variation from the standard weight, the variations in grams being:

for the coins of fifty pence Britannia:	point zero one above (+0.01) standard weight;
for the coins of twenty pence Britannia:	point one five below (-0.15) standard weight;
for the coins of one pound:	point two one above (+0.21) standard weight;
for the coins of fifty pence:	point three three above (+0.33) standard weight;
for the coins of twenty pence:	point three seven above (+0.37) standard weight;
for the coins of ten pence:	point one four above (+0.14) standard weight;
for the coins of five pence:	point zero three above (+0.03) standard weight;
for the coins of two pence:	point one two below (-0.12) standard weight; and
for the coins of one pence:	point zero three below (-0.03) standard weight.

(H) We assayed the two pounds 958.4 ppt Britannia coins, not weighing less in all than five hundred grams, comparing them with the standard trial plate of silver, and found that the metal of the coins was on the whole within the permitted variation from the standard composition, the variation being point five parts per thousand above (+0.5) the standard fineness.

(I) We assayed the two pounds 999 ppt Britannia coins, not weighing less in all than five hundred grams, comparing them with the standard trial plate of silver, and found that the metal of the coins was on the whole within the permitted variation from the standard composition, the variation being point four parts per thousand above (+0.4) the standard fineness.

(J) Finally, we assayed the coins other than the two pounds 958.4 ppt Britannia coins and the two pounds 999 ppt Britannia coins, not weighing less in all than five hundred grams, comparing them with the standard trial plate of silver, and found that the metal of the coins was on the whole within the permitted variation from the standard composition, the variation being point six parts per thousand above (+0.6) the standard fineness.

7. Gold-plated silver coins

(A) We ascertained that the coins of each denomination in the packets of gold-plated silver coins weighed not more than one kilogram.

(B) We also ascertained that all the coins contained in the packets weighed more than five hundred grams.

(C) We took out all the coins and weighed them in bulk and found that they were on the whole within the permitted variation from the standard weight, the variations in grams being:

for the coins of five pounds:	point one nine above (+0.19) standard weight;
for the coins of two pounds Pied Forte:	one point three five below (-1.35) standard weight; and
for the coins of two pounds:	point one six below (-0.16) standard weight.

(D) Then, we assayed all of the coins, not weighing less in all than five hundred grams, comparing the metal of the coins other than the gold-plating with the standard trial plate of silver, and found that such metal was on the whole within the permitted variation from the standard composition, the variation being two point three parts per thousand above (+2.3) the standard fineness.

(E) Finally, in assaying all the coins, we weighed the gold-plating on the coins of five pounds, the coins of two pounds Pied Forte and the coins of two pounds, and found that the gold-plating was on the whole within the permitted variation from the standard weight, the variation in milligrams being:

for the coins of five pounds:	thirty four below (-34) standard weight;
the coins of two pounds Pied Forte:	nine below (-9) standard weight; and
for the coins of two pounds:	four above (+4) standard weight.

8. Cupro-nickel coins

(A) We ascertained that the coins in the packets of five pounds coins, the coins in the packets of fifty pence coins and the coins in the packets of twenty pence coins weighed more than one kilogram and that the coins in the packets of the other denominations weighed less than one kilogram.

(B) We ascertained that the coins in the packets of the other denominations weighed more than five hundred grams.

(C) We took from the packets of five pounds, fifty pence and twenty pence a sufficient number of coins and grouped them into lots, each lot weighing as close as possible to one kilogram but not more than one kilogram.

(D) We then weighed each lot in bulk and found that it was on the whole within the permitted variation from the standard weight, the least to the greatest of the variations in grams being:

for the lot of coins of five pounds:	one point four eight above (+1.48) standard weight;
for the two lots of coins of fifty pence:	point two nine above (+0.29) and point six nine above (+0.69) standard weight; and
for the three lots of coins of twenty pence:	point zero four below (-0.04), point two zero below (-0.20) and one point seven seven below (-1.77) standard weight.

(E) We weighed in bulk the residue of coins remaining in the packets of five pounds coins, fifty pence coins and twenty pence coins and found that they were on the whole within the permitted variation from the standard weight, the variation being fourteen point four nine grams above (+14.49) the standard weight.

(F) We took out all of the coins of each denomination, except for the five pounds coins, the fifty pence coins and the twenty pence coins and weighed them in bulk and found that they were on the whole within the permitted variation from the standard weight, the variations in grams being:

for the coins of ten pence:	point zero eight below (-0.08) standard weight; and
for the coins of five pence:	point four one below (-0.41) standard weight.

(G) We then assayed all of the coins, not weighing less in all than five hundred grams, comparing them with the standard trial plates of copper and nickel, and found that the metal of the coins was on the whole within the permitted variation from the standard composition, the variations being:

for the coins of twenty pence:	minus point five seven per cent (-0.57) of copper and plus point four eight per cent (+0.48) of nickel; and
for the coins of five pounds, fifty pence, ten pence and five pence:	minus point six zero per cent (-0.60) of copper and plus point six zero per cent (+0.60) of nickel.

(H) Finally, we measured the diameters of twenty of the coins of each denomination and found that the average diameter of the coins of each denomination was within the permitted variation from the standard diameter, the variations in millimetres being:

for the coins of five pounds:	point zero three below (-0.03) the standard diameter;
for the coins of fifty pence:	point zero four below (-0.04) the standard diameter;
for the coins of twenty pence:	point zero eight below (-0.08) the standard diameter;
for the coins of ten pence:	point zero five below (-0.05) the standard diameter; and
for the coins of five pence:	point one two below (-0.12) the standard diameter.

9. Nickel-brass coins

(A) We ascertained that the coins of one pound contained in the packets of nickel-brass coins weighed more than one kilogram.

(B) We took from the packets a sufficient number of coins and grouped them into two lots with each lot weighing as close as possible to one kilogram but not more than one kilogram. We weighed each lot and found that each lot was on the whole within the permitted variation from the standard weight, the variations in grams being point four five above (+0.45) and point five two below (-0.52) the standard weight.

(C) We weighed in bulk the residue of the coins remaining in the packets of nickel-brass coins and found that they were on the whole within the permitted variation from the standard weight, the variation being thirty one point five zero grams above (+31.50) the standard weight.

(D) We then assayed the coins, not weighing less in all than five hundred grams, comparing them with the standard trial plates of copper, nickel and zinc, and found that the metal of the coins was on the whole within the permitted variation from the standard composition, the variations being minus point one two per cent (-0.12) of copper, plus point five six per cent (+0.56) of nickel and minus point four six per cent (-0.46) of zinc.

(E) Finally, we measured the diameters of twenty of the coins and found that the average diameter of those coins was within the permitted variation from the standard diameter, the variation being point zero four millimetres below (-0.04) the standard diameter.

10. Bimetallic coins

(A) We ascertained that the coins of two pounds contained in the packets of bimetallic coins weighed more than one kilogram.

(B) We took from the packets sufficient coins and grouped them into two lots with each lot weighing as close as possible to one kilogram but not more than one kilogram each. We weighed each lot and found that each lot was on the whole within the permitted variation from the standard weight, the variations being, in grams, one point three zero below (-1.30) and two point six nine below (-2.69) the standard weight.

(C) We weighed in bulk the residue of the coins remaining in the packets and found that it was on the whole within the permitted variation from the standard weight, the variation being eighty one point three zero grams below (-81.30) the standard weight.

(D) We then assayed the coins, not weighing less in all than five hundred grams, by comparing:

(i) the cupro-nickel inner sections of the coins with the standard trial plates of copper and nickel, and found that that metal of the coins was on the whole within the permitted variation from the standard composition, the variations being minus one point one four per cent (-1.14) of copper and plus one point one five per cent (+1.15) of nickel; and

(ii) the nickel-brass outer sections of the coins with the standard trial plates of copper, nickel and zinc, and found that that metal of the coins was on the whole within the permitted variation from the standard composition, the variations being plus one point two four per cent (+1.24) of copper, plus point three zero per cent (+0.30) of nickel and minus one point five six per cent (-1.56) of zinc.

(E) Finally, we measured the diameters of twenty of the coins and found that the average diameter of those coins was within the permitted variation from the standard diameter, the variation being point zero two millimetres below (-0.02) the standard diameter.

We found that all the coins submitted to the Trial were, on the whole, within the permitted variations.

The following, being members of the Jury, have duly signed this Verdict this 3 May 2013:

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The Lord Sutherland of Houndwood

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Mr R D Agutter

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Mr W H M Parente

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Mr T B Schroder

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Dr R M Organ

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Miss J A Lowe

7.
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Mrs P J Glanville

8.
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Miss J B Springer

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Mr R G H Crofts
Foreman of the Jury

10.
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Mr M R Winwood

11.
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Mr N J F Cartwright

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Mr P J Byrom

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Mr C H Truman

14.
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Mrs J A Game

15.
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Mr A F Spink

16.
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Mr S T J Galsworthy

17.
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Miss G M Ellis