

GENEVA.

MONIES OF EXCHANGE.

Exchanges are computed here in Livres, Sous, and Deniers; or in Ecus, Livres, &c.

12 Deniers = 1 Sou or Sol.

20 Sous = 1 Livre current.

3 Livres = 1 Ecu or Patagon.

COURSE OF EXCHANGE,
From the Geneva Quotation.
February, 1820.

EXPLANATION.

AMSTERDAM .. 92	..	GENEVA receives 92 Grotes Flemish	....	for 1 Ecu.
AUGSBURG 128	..	receives 128 Rixdollars current..		for 100 Ecus.
BASLE 162	..	receives 162 Livres Tournois....		for 106 Livres current.
FRANCE 162	..	receives 162 Francs	.....	for 100 Livres current.
GENOA 98	..	gives 98 Ecus	.....	for 100 Pezze of 5¼ Lire f.b.
HAMBURGH.... 23	..	gives 23 Sous current.....		for 1 Mark banco.
LEGHORN..... 104	..	gives 104 Ecus	.....	for 100 Pezze of 8 Reals.
LONDON 46	..	receives 46 Pence sterling.....		for 1 Ecu of 3 Livres.
MILAN 100	..	gives 100 Ecus	.....	for 640 Lire correnti.
NAPLES 50¾	..	gives 50¾ Sous	.....	for 1 Ducat.
PALERMO 15 3	..	gives 15 Lire 3 Sous	.....	for 1 Oncia.
SPAIN 44	..	gives 44 Sous current	.....	for 1 Dollar of Plate.
TURIN 84	..	receives 84 Soldi Piemontesi....		for 1 Ecu.
VIENNA 128	..	receives 128 Rixdollars current..		for 100 Ecus.

[For the usances and other particulars relating to Bills of Exchange, see GENEVA, vol. i.]

GENEVA ON AMSTERDAM.

Reduce 2479 Florins 13 Stivers 12 Pennings into money of Geneva; exchange at 92 Grotes Flemish per Ecu of 3 Livres.

Grotes	Livres	Florins	Stivers	Pen.	Livres	Sous	Den.
As 92	: 3	::	2479	13	12	:	3234 7 6
8			20				
<hr/>							
736			49593				
			16				
<hr/>							
			793500				
			3				
<hr/>							
			Livres		Sous	Den.	
736	2380500	(3234	7	6			
	2208						
<hr/>							
	1725	&c.					

By the Chain Rule.

		2479 Flor.	13 Stivers	12 Pen.
1 Florin	=	40 Grotes.		
92 Grotes	=	3 Livres.		
Result as above.				

AMSTERDAM ON GENEVA.

Reduce 3234 Livres 7 Sous 6 Deniers Geneva currency into Dutch money; exchange at 92 Grotes Flemish per Ecu of 3 Livres.

Livres	Grotes	Livres	Sous	Den.	Florins	Sti.	Pen.
As 3	: 92	::	3234	7	6	:	2479 13 12
20	8		20				
<hr/>							
60	736		64687				
	12		12				
<hr/>							
720			776250				
			736				
<hr/>							
			Livres		Sous	Den.	
72,0	57132000,0	(793500					
	504						
			2,0		1959,3	12	
	673	&c.					
2479 Fl. 13 Sti. 12 Pen.							

By the Chain Rule.

		3234 Livres	7 Sous	6 Den.
3 Livres	=	92 Grotes.		
40 Grotes	=	1 Florin.		
Result as above.				

GENEVA ON FRANCE.

Reduce 1623 Francs 93 Centimes into money of Geneva; exchange at 168 Francs per 100 Livres current.

Francs	Livres	Francs	Livres	Sous	Den.
As 168	: 100	::	1623,93	:	966 12 6
			168	162393	(966 12 6
			1512		
<hr/>					
			1119	&c.	

Remainder × 20 × 12 &c.

Or thus decimally.

Francs	Livres	Francs	Livres	Sous	Den.
As 168	: 100	::	1623,93	:	966 12 6
			168	162393,00	(966,625
			1512		20
<hr/>					
			1119 &c.	12,500	
				12	
				6,0	

FRANCE ON GENEVA.

Reduce 966 Livres 12 Sous 6 Deniers Geneva currency into sterling; exchange at 168 Francs per 100 Livres current.

Livres	Francs	Livres	Sous	Den.	Francs	Cent.
As 100	: 168	::	966	12	6	: 1623 93
			20			20
<hr/>						
			2000			19332
			12			12
<hr/>						
			24000			231990
						168
<hr/>						
			24,000		38974,320	(1623,93
						24
						149 &c.

Or thus decimally.

12 Sous 6 Deniers $\frac{1}{4}$ = $\frac{1}{8}$ = ,625						
Livres	Francs	Livres	Francs	Cent.		
As 100	: 168	::	966,625	:	1623	93

GENEVA ON HAMBURGH.

Reduce 1068 Marks 4 Schillings 2 Pfenings banco into Geneva currency; exchange at 23 Sous current per Mark banco.

Mark	Sous	Marks	Sch.	Pf.	Livres	Sous
As 1	: 23	: : 1068	4	2	: 1228	10
16		16				
—		—				
16		17092				
12		12				
—		—				
192		205106				
		23				
		—				
		2,0				
		192)4717438(2457,0				
		384				
		—				
		1228 Livres 10 Sous.				
		877 &c.				

HAMBURGH ON GENEVA.

Reduce 1228 Livres 10 Sous Geneva currency into Hamburg money; exchange at 23 Sous current per Mark Hamburg banco.

Sous	Mark	Livres	Sous	Mks.	Sch.	Pf.
As 23	: 1	: : 1228	10	: 1068	4	2
		20				
		—				
		23)24570(1068				
		23				
		—				
		157				
		138				
		—				
		190 &c.				

Remainder × 16 × 12 &c.

GENEVA ON LEGHORN.

Reduce 1480 Pezze 8 Soldi 4 Denari into Geneva currency; exchange at 105 Ecus per 100 Pezze of 8 Reals.

Pezze	Ecus	Pezze	Soldi	Den.	Livres	Sous	Den.
As 100	: 105	: : 1480	8	4	: 4663	6	3
	3	20					
	—	—					
	315	29608					
		12					
		—					
		355300					
		315					
		—					
		24,000)111919,500(4663					
		96					
		—					
		159 &c.					

By the Chain Rule.

		1480 Pezze 8 Sol. 4 Den.
100 Pezze	=	105 Ecus.
1 Ecu	=	3 Livres.

Result as above.

LEGHORN ON GENEVA.

Reduce 4663 Livres 6 Sous 3 Deniers Geneva currency into money of Leghorn; exchange at 105 Ecus per 100 Pezze of 8 Reals.

Ecus	Pezze	Livres	Sous	Den.	Pezze	Soldi	Den.
As 105	: 100	: : 4663	6	3	1480	8	4
	3	20					
	—	—					
	315	93266					
	20	12					
	—	—					
	6300	756,00)1119195,00(1480					
	12	756					
	—	—					
	75600	3631 &c.					

By the Chain Rule.

		4663 Livres 6 Sous 3 Den.
3 Livres	=	1 Ecu.
105 Ecus	=	100 Pezze of 8 Reals.

Result as above.

GENOA.

MONIES OF EXCHANGE.

Exchanges are computed in Lire, Soldi, and Denari di Lira; or in Pezze, Soldi, and Denari di Pezza; all in money fuori banco.

12 Denari = 1 Soldo; 20 Soldi = 1 Lira fuori banco; 5 Lire 15 Soldi fuori banco = 1 Pezza. The Pezza is also divided into 20 Soldi, or 240 Denari di Pezza: thus, 4 Pezze = 23 Lire; 4 Soldi di Pezza = 23 Soldi di Lira; 4 Denari di Pezza = 23 Denari di Lira.

Also, 4 Lire 12 Soldi fuori banco = 1 Scudo di cambio, or Crown of exchange; 10 Lire 16½ Soldi fuori banco = 1 Scudo d'oro, or gold Crown; 10 Lire 14 Soldi fuori banco = 1 Scudo d'oro marche.

COURSE OF EXCHANGE,
from the Genoa Quotation.
March, 1820.

EXPLANATION.

AMSTERDAM	....	89	..	GENOA	receives 89 Grotes Flemish....	for 1 Pezza of 5¾ Lire.
AUGSBURG	.....	61½	..	————	gives 61½ Soldi fuori banco....	for 1 Florin current.
CONSTANTINOPLE.	16	..	————	gives 16 Soldi or 80 Centimes..	for 1 Piastre.	
FRANCE	.....	94¼	..	————	receives 94¼ Sous in Francs ..	for 1 Pezza of 5¾ Lire.
HAMBURGH	.....	45½	..	————	gives 45½ Soldi fuori banco....	for 1 Mark banco.
LEGHORN	.....	123	..	————	gives 123 Soldi fuori banco ..	for 1 Pezza of 8 Reals.
LISBON	.....	868	..	————	receives 868 Rees	for 1 Pezza of 5¾ Lire.
LONDON	.....	48	..	————	receives 48 Pence sterling	for Ditto.
DITTO	.....	30	..	————	gives 30 Lire Italiane	for £1 sterling.
MILAN	.....	87¼	..	————	receives 87¼ Soldi correnti	for 1 Scudo of 4 Lire fuori banco.
NAPLES	.....	100	..	————	gives 100 Soldi fuori banco ..	for 1 Ducato di regno.
PALERMO	.....	36½	..	————	receives 36½ Grani	for 1 Lira fuori banco.
DITTO	.....	15	..	————	gives 15 Lire fuori banco....	for 1 Oncia.
ROME	.....	128	..	————	gives 128 Soldi fuori banco....	for 1 Roman Scudo.
SPAIN	.....	617	..	————	receives 617 Maravedis of Plate	for 1 Scudo d'oro marche.
TRIESTE	.....	61¼	..	————	gives 61¼ Soldi fuori banco....	for 1 Florin effective.
VENICE	.....	34¼	..	————	receives 34¼ Soldi piccoli.....	for 1 Lira fuori banco.
VIENNA	.....	61¾	..	————	gives 61¾ Soldi fuori banco ..	for 1 Florin effective.

[For the usances and other particulars relating to Bills of Exchange, see GENOA, vol. i.]

GENOA ON LONDON, see page 22.
 GENOA ON AMSTERDAM, see page 29.
 GENOA ON FRANCE, see page 50.

GENOA ON HAMBURGH.

Reduce 1789 Marks 10 Schillings 8 Pfenings
 Hamburgh banco into money of Genoa; exchange
 at 46½ Soldi di Lira per Mark banco.

Mark	Soldi	Marks	Sch.	Pf.	Lira	Soldi	Den.
As 1	: 46½	:: 1789	10	8	: 4160	19	6
16		16					
—		—					
16		28634					
12		12					
—		—					
182		343616					
		46½					
		—					
		2,0)					
		192)15978144	(8321,9	6			
		1536					
		—					
					4160 Lire 19 Sol. 6 Den.		
					618 &c.		

By the Chain Rule.

		1789 Marks 10 Sch. 8 Pf.
1 Mark	=	46½ Soldi.
20 Soldi	=	1 Lira.

Result as above.

LONDON ON GENOA, see page 22.
 AMSTERDAM ON GENOA, see page 29.
 FRANCE ON GENOA, see page 50.

HAMBURGH ON GENOA.

Reduce 4160 Lire 19 Soldi 6 Denari into Ham-
 burgh money; exchange at 46½ Soldi di Lira per
 Mark banco.

Soldi	Mark	Lira	Soldi	Den.	Marks	Sch.	Pf.
As 46½	: 1	:: 4160	19	6	: 1789	10	8
12		20					
—		—					
558		83219					
		12					
		—					
					Mix.	Sch.	Pf.
					558)998634	(1789	10 8
					558		
					—		
					4406 &c.		

Remainder × 16 × 12 &c.

By the Chain Rule.

		4160 Lire 19 Soldi 6 Den.
1 Lira	=	20 Soldi.
46½ Soldi	=	1 Mark.

Result as above.

GENOA ON LEGHORN.

Reduce 210 Pezze 16 Soldi 8 Denari into money
 of Genoa; exchange at 124 Soldi fuori banco per
 Pezza of 8 Reals.

Pezza	Soldi	Pezza	Sol.	Den.	Lira	Soldi	Den.
As 1	: 124	:: 210	16	8	: 1307	3	4
20		20					
—		—					
20		4216					
12		12					
—		—					
240		50600					
		124					
		—					
		2,0)					
		24,0)627440,0	(2614,3				
		48					
		—					
					1307 Lire 3 Sol. 4 Den.		
					147 &c.		

Remainder × 12 &c.

LEGHORN ON GENOA.

Reduce 1307 Lire 3 Soldi 4 Denari of Genoa
 into money of Leghorn; exchange at 124 Soldi
 fuori banco per Pezza of 8 Reals.

Soldi	Pezza	Lira	Sol.	Den.	Pezza	Sol.	Den.
As 124	: 1	:: 1307	3	4	: 210	16	8
12		20					
—		—					
1488		26143					
		12					
		—					
					Pezza	Sol.	Den.
					1488)313720	(210	16 8
					2976		
					—		
					1612 &c.		

Remainder × 20 × 12 &c.

HAMBURGH.

MONIES OF EXCHANGE.

Exchanges are computed in Marks, Schillings, and Pfenings, banco or current; or in Pounds, Shillings, and Pence, Flemish banco.

Banco bears an agio on currency, which is generally from 20 to 25 per cent.

12 Pfenings = 1 Schilling, or Sol Lubs; 16 Schillings Lubs = 1 Mark; 3 Marks = 1 Rixdollar; 6 Pfenings = 1 Grote Flemish; 12 Grotes Flemish, or 6 Schillings Lubs = 1 Shilling Flemish; 20 Shillings Flemish, or 7½ Marks = 1 Pound Flemish.

COURSE OF EXCHANGE,
From the Hamburg Quotation.
January, 1820.

EXPLANATION.

AMSTERDAM.. 106	HAMBURGH	receives 106 Rixdollars Dutch currency .	for 100 Rixdollars.
AUGSBURG .. 148½	—————	receives 148½ Rixdollars effective	for 100 Rixds. banco.
BASIL	—————	gives 25½ Schillings banco	for 1 Ecu of 3 Francs.
BRESLAU 41	—————	receives 41 Rixdollars Prussian currency	for 100 Rixds. banco.
COPENHAGEN. 149	—————	receives 149 Rixdollars Danish	for 100 Rixds. banco.
FRANCE..... 25¾	—————	gives 25¾ Schillings banco	for 1 Ecu of 3 Francs.
FRANCFORT.. 148½	—————	receives 148½ Rixdollars effective	for 100 Rixds. banco.
GENOA	—————	gives 80 Grotes Flemish banco	for 1 Pezza of 5½ Lire f. b.
LEGHORN 86½	—————	gives 86½ Grotes Flemish banco.....	for 1 Pezza of 8 Reals.
LISBON	—————	gives 37 Grotes Flemish banco	for 1 old Crusade.
LONDON 35 9	—————	gives 35 Shillings & 9 Pence Flemish bco	for £1 sterling.
PRAGUE 149	—————	receives 149 Rixdollars effective	for 100 Rixds. banco.
SPAIN	—————	gives 84¾ Grotes Flemish banco	for 1 Ducat of Plate.
VENICE..... 82	—————	receives 82 Soldi Piccoli.....	for 1 Mark banco.
VIENNA..... 149	—————	receives 149 Rixdollars effective	for 100 Rixds. banco.

[For the usances, laws, &c. of Bills of Exchange, see HAMBURGH, vol. i.]

HAMBURGH ON LONDON, see page 23.
 HAMBURGH ON AMSTERDAM, see page 30.
 HAMBURGH ON AUGSBURG, see page 34.
 HAMBURGH ON BERLIN, see page 37.
 HAMBURGH ON BREMEN, see page 39.
 HAMBURGH ON COPENHAGEN, see page 46.
 HAMBURGH ON DANTZIC, see page 48.
 HAMBURGH ON FRANCE, see page 50.
 HAMBURGH ON FRANCFORT, see page 56.
 HAMBURGH ON GENEVA, see page 59.
 HAMBURGH ON GENOA, see page 62.

LONDON ON HAMBURGH, see page 23.
 AMSTERDAM ON HAMBURGH, see page 30.
 AUGSBURG ON HAMBURGH, see page 34.
 BERLIN ON HAMBURGH, see page 37.
 BREMEN ON HAMBURGH, see page 39.
 COPENHAGEN ON HAMBURGH, see page 46.
 DANTZIC ON HAMBURGH, see page 48.
 FRANCE ON HAMBURGH, see page 50.
 FRANCFORT ON HAMBURGH, see page 56.
 GENEVA ON HAMBURGH, see page 59.
 GENOA ON HAMBURGH, see page 62.

HAMBURGH ON LEGHORN.

Reduce 527 Pezze 8 Soldi 8 Denari into Ham-
 burgh money; exchange at $84\frac{3}{4}$ Grotes Flemish per
 Pezza of 8 Reals.

Pezza	Grotes	Pezze	Soldi	Den.	Marks	Schillings.
As 1 :	$84\frac{3}{4}$::	527	8	8	1396	14
20		20				
20		10548				
12		12				
240		126584				
		$84\frac{3}{4}$				
		32)				
		24,0)1072799,4(44699,9				
		96				
		1396 Mks. 14 Sch.				
		112 &c.				

By the Chain Rule.

527 Pezze 8 Soldi 8 Denari.
 1 Pezza = $84\frac{3}{4}$ Grotes Flemish.
 32 Grotes = 1 Mark.

Result as above.

LEGHORN ON HAMBURGH.

Reduce 1396 Marks 14 Schillings banco into
 money of Leghorn; exchange at $84\frac{3}{4}$ Grotes Flemish
 banco per Pezza of 8 Reals.

Grotes	Pezza	Marks	Sch.	Pezze	Soldi	Denari.
As $84\frac{3}{4}$:	1 ::	1396	14	527	8	8
6		16				
$508\frac{1}{2}$		22350				
2		12				
1017		268200				
		2				
		1017)536400(527 Pezze 8 Soldi 8 Den.				
		5085				
		2790 &c.				

By the Chain Rule.

1396 Marks 14 Schillings.
 1 Mark = 32 Grotes Flemish.
 $84\frac{3}{4}$ Grotes = 1 Pezza.

Result as above.

HAMBURGH ON LISBON.

Reduce 234 Mil. 743 Rees into Hamburg money; exchange at $43\frac{3}{4}$ Grotes Flemish banco per old Crusado.

Milrees				
4,00)2347,43				
586,857 Crusados.				
Crus.	Grotes	Crus.	Marks	Sch. Pf.
As 1 :	$43\frac{3}{4}$:	586,857 :	802	5 6
43 $\frac{3}{4}$				
32)25674,993(802 5 6				
256				
74 &c.				
Remainder $\times 16 \times 12$ &c.				

LISBON ON HAMBURGH.

Reduce 802 Marks 5 Schillings 6 Pfenings banco into money of Portugal; exchange at $43\frac{3}{4}$ Grotes Flemish banco per old Crusado.

Grotes	Crus.	Marks	Sch. Pf.	Crus.
As $43\frac{3}{4}$	: 1	: 802	5 6	: 586,857
6		16		
262 $\frac{1}{2}$				
2		12837		
		12		
525				
		154050		
		2		
Crusados.				
525)308100(586,857				
2625				
4560 &c.				

But if the answer be required in Milrees and Rees, the Crusados should be multiplied by 400.

HAMBURGH ON SPAIN.

Reduce 357 Dollars 4 Reals 10 Maravedis of plate into Hamburg money; exchange at $83\frac{3}{4}$ Grotes Flemish banco per Ducat of exchange of 375 Maravedis.

Mar.	Grotes	Doll.	Reals Mar.	Marks	Sch.	Pf.
As 375 :	$83\frac{3}{4}$:	357	4 10 :	678	11	7
8						
2860						
34						
97250						
83 $\frac{3}{4}$						
32)						
375)8144687 $\frac{1}{2}$ (21719 $\frac{1}{2}$						
678 Mks. 23 $\frac{1}{2}$ Grotes.						
6						
12)139						
11 Sch. 7 Pf.						

SPAIN ON HAMBURGH.

Reduce 678 Marks 11 Schillings 7 Pfenings banco into Spanish money; exchange at $83\frac{3}{4}$ Grotes Flemish banco per Ducat of exchange.

Grotes	Mar.	Marks	Sch. Pfen.	Doll. Reals Mar.
As $83\frac{3}{4}$	: 375	: 678	11 7	: 357 4 10
6		16		
502 $\frac{1}{2}$				
		10859		
		12		
130315				
375				
-34) 8)				
502,5)48868125,0(97250 (2860 Rls. 10 M.				
45225 08				
357 Dols. 4 R.				
36431 &c. 292 &c.				

HAMBURGH ON VENICE.

Reduce 21461 Lire 18 Soldi 7 Denari Piccoli into Hamburg money; exchange at 78½ Grotes per Ducat banco of 9 Lire 12 Soldi Piccoli.

Dec.	Soldi	Grotes	Lire Pic.	Soldi Den.	Marks	Sols
As 1 or 192	: 78½	::	21461	18 7	: 5484	4
	12			× 20 × 12		
<hr/>			<hr/>			
2304			5150863			
			78,5			
			<hr/>			
			32)			
			2304)404341945,5(1754956			
					5484 Marks 4 Sch.	

If the Venetian sum to be reduced into Hamburg money be in Lire Italiane, it must be first reduced into Lire Piccole; thus—

Lire It.	Lire Pic.	Lire It.	Lire Pic.	Soldi Den.
As 240	: 469	::	10982,65	: 21461 18 7

VENICE ON HAMBURGH.

Reduce 5484 Marks 4 Sols Lubs into Venetian money; exchange at 78½ Grotes per Ducat.

Grotes	Ducat	Marks	Sols	Lire	Sol.	Den.
As 78½	: 1	: :	5484	4	: 21461	18 7
	2	9 12	32			
<hr/>			<hr/>			
157	9 12	350992				
		9 12				
		<hr/>				
		3158928				
10 = ½...		175496				
2 = ⅓...		35099	4			
		<hr/>				
				Lire	Sol.	Den.
		157)3369523	4(21461	18	7	

If the result be required in Lire Italiane, say—

Lire Pic.	Lire It.	Lire	Sol.	Den.	Lire It.	Cent
As 469	: 240	::	21461	18 7	: 10982	65

HAMBURGH ON VIENNA.

Reduce 2719 Rixdollars 41 Creutzers effective of Vienna into Hamburg money; exchange at 149⅓ Rixdollars effective for 100 Rixdollars banco.

Rxd. Eff.	Rxd. Fco.	Rxd. Eff.	Cr.	Marks	Sols Lubs.
As 149,1	: 100	::	2719 41	: 5471	12
	90		90		
<hr/>			<hr/>		
13419,0	300	244751			
		300			
		<hr/>			
			Marks	Sch.	
		13419(73425300(5471	12		

Effective money is reduced to paper money at an agio of so much per cent.

Reduce 2719 Rixdollars 41 Creutzers effective into paper money; agio 66½ per cent.

Rxd. Eff.	Cr.	Paper Money.
As 33½	: 100	:: 2719 41 : 8117,70

Paper money is reduced to effective by the reverse analogy: thus—

As 100	: 33½	:: 8117,70	: 2719 41
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VIENNA ON HAMBURGH.

Reduce 5471 Marks 12 Sols Lubs into effective money; exchange at 149⅓ Rixdollars effective for 100 Rixdollars banco.

Rxd. bco.	Rxd. Eff.	Marks	Rxd. Eff.	Cr.
As 100	: 149,1	:: 5471,75	: 2719	41
	3	149,1		
<hr/>			<hr/>	
300		300)815837925(2719,459		
		600		90
		<hr/>		
		2158 &c.		41,310

Effective money is reduced to paper, and the contrary, by the analogies in the annexed examples.

LEGHORN.

MONIES OF EXCHANGE.

Exchanges are computed here in Pezze, Soldi, and Denari di Pezza.

12 Denari di Pezza=1 Soldo di Pezza; 20 Soldi di Pezza=1 Pezza, commonly called Pezza of 8 Reals.
 12 Denari di Lira=1 Soldo di Lira; 20 Soldi di Lira=1 Lira. 24 Lire moneta lunga=23 Lire moneta buona. 6 Lire moneta lunga, or 5½ Lire moneta buona=1 Pezza of 8 Reals.

COURSE OF EXCHANGE,
 From the Leghorn Quotation.
 February, 1820.

EXPLANATION.

AMSTERDAM	96	..	LEGHORN	receives 96 Grotes Flemish	for 1 Pezza.
ANCONA	129½	..	—————	receives 129½ Bajocchi	for 1 Pezza of 8 Reals.
AUGSBURG	201½	..	—————	receives 201½ Florins current	for 100 Pezze.
BOLOGNA	94	..	—————	receives 94 Bolognini	for 1 Pezza.
CONSTANTINOPLE	296	..	—————	receives 296 Paras	for 100 Pezze.
FLORENCE	123	..	—————	receives 123 Soldi	for 1 Pezza.
FRANCE	102	..	—————	receives 102 Sous in Francs	for 1 Ditto.
GENEVA	109	..	—————	receives 109 Ecus of 3 Livres ..	for 100 Pezze.
GENOA	123	..	—————	receives 123 Soldi fuori banco ..	for 1 Pezza.
HAMBURGH	87½	..	—————	receives 87½ Grotes Flemish banco	for 1 Ditto.
LISBON	930	..	—————	receives 930 Rees	for 1 Ditto.
LONDON	48½	..	—————	receives 48½ Pence sterling	for 1 Ditto.
MALTA	30½	..	—————	receives 30½ Tari	for 1 Ditto.
MILAN	134	..	—————	receives 134 Soldi Correnti	for 1 Ditto.
NAPLES	123½	..	—————	receives 123½ Ducati di regno . . .	for 100 Pezze of 8 Reals.
NOVI	187	..	—————	gives 187 Pezze	for 1 Scudo d'oro marche.
ODESSA	510	..	—————	receives 510 Rubles	for 100 Pezze.
PALERMO	12 3	..	—————	receives 12 Tari 3 Grani	for 1 Pezza.
PETERSBURGH ..	490	..	—————	receives 490 Rubles	for 100 Pezze.
ROME	128	..	—————	receives 128 Bajocchi	for 1 Pezza.
SMYRNA	296	..	—————	receives 296 Paras	for 1 Ditto.
SPAIN	136	..	—————	receives 136 Pesos of old plate . .	for 100 Pezze.
TRIESTE	200½	..	—————	gives 200½ Soldi moneta buona . .	for 1 Florin current.
TURIN	90½	..	—————	receives 90½ Soldi	for 1 Pezza.
VENICE	10½	..	—————	receives 10½ Lire piccoli	for Ditto.
VIENNA	201½	..	—————	gives 201½ Soldi moneta buona . .	for 1 Florin current.

[For the usances and other particulars relating to Bills of Exchange, see LEGHORN, vol. i.]

LEGHORN ON LONDON, see page 23.
 LEGHORN ON AMSTERDAM, see page 30.
 LEGHORN ON FRANCE, see page 51.
 LEGHORN ON GENOA, see page 62.
 LEGHORN ON HAMBURGH, see page 66.

LEGHORN ON LISBON.

Reduce 304 Milrees 205 Rees into money of Leghorn; exchange at 825 Rees per Pezza of 8 Reals.

Rees	Pezza	Milrees	Pezza	Sol.	Den.
As 825	: 1	:: 304,205	: 368	14	8
		825)304,205	(368	14	8
		2475			
		<u>5670</u>			

Remainder $\times 20 \times 12$ &c.

If the ~~sum~~ were given in Crusados, they should be first reduced to Rees by multiplying them by 400: thus, reduce 760 Crusados 205 Rees into money of Leghorn; exchange as above:

760	205
<u>400</u>	
304000	
<u>205</u>	
304,205	Rees.

LONDON ON LEGHORN, see page 23.
 AMSTERDAM ON LEGHORN, see page 30.
 FRANCE ON LEGHORN, see page 51.
 GENOA ON LEGHORN, see page 62.
 HAMBURGH ON LEGHORN, see page 66.

LISBON ON LEGHORN.

Reduce 368 Pezze 14 Soldi 8 Denari into money of Portugal; exchange at 825 Rees per Pezza of 8 Reals.

Pezza	Rees	Pezze	Soldi	Den.	Milrees	Rees
As 1	: 825	:: 368	14	8	: 304	205
20		20				
<u>20</u>		7374				
12		12				
<u>240</u>		88496				
		<u>825</u>				
		24,0)7300920,0			Mil.	(304,205
		72				
		<u>100</u>				

If the answer were required in Crusados, divide 304,000 by 400 and annex 205 Rees which will give 760 Crusados 205 Rees.

LEGHORN ON NAPLES.

Reduce 425 Ducats 2 Grani di regno into money of Leghorn; exchange at 118½ Ducats di regno per 100 Pezze.

Ducats	Pezze	Ducats	Pezze	Soldi	Den.
As 118½	: 100	:: 425,02	: 358	13	4
2		100			
<u>237</u>		42502			
		<u>2</u>			
		237)85004	(358	13	4
		711			

Remainder $\times 20 \times 12$ &c.

By Decimals.

Ducats	Pezze	Ducats	Pezze
As 118,5	: 100	:: 425,02	: 358,667
			20
			<u>13,340</u> Soldi
			12
			<u>4,08</u> Den.

NAPLES ON LEGHORN.

Reduce 358 Pezze 13 Soldi 4 Denari into money of Naples; exchange at 118½ Ducats di regno per 100 Pezze of 8 Reals.

Pezze	Ducats	Pezze	Soldi	Den.	Duc.	Gr.
As 100	: 118½	:: 358	13	4	: 425	2
20		20				
<u>2000</u>		7173				
12		12				
<u>24000</u>		86080				
		<u>118½</u>				

24,000)10200,480(425,02

By Decimals.

Pezze	Ducats	Pezze	Ducats
As 100	: 118,5	:: 358,667	: 425,02
		118,5	
		<u>1,00</u>	425,02,0395

LISBON.

MONIES OF EXCHANGE.

Exchanges are computed here in Milrees and Rees ; and also in old Crusados.

1000 Rees = 1 Milree ; 400 Rees = 1 old Crusado, or Crusado of exchange ; 480 Rees = 1 new Crusado.

Three sorts of money are at present used in Portugal ; namely,—*Effective Money*, that is, specie ; *Paper Money*, which is at a discount ; and *Legal Money*, consisting of half specie and half paper. The discount in Feb. 1820, was 22 per cent.

COURSE OF EXCHANGE,
From the Lisbon Quotation.
February, 1820.

EXPLANATION.

AMSTERDAM..	42	..	LISBON	receives 42 Grotes Flemish	..	for 1 old Crusado.
FRANCE.....	540	..	————	gives 540 Rees	.....	for 3 Francs.
GENOA	746	..	————	gives 746 Rees	.....	for 1 Pez. of 5½ Lire fuori banco.
HAMBURGH ..	38	..	————	receives 38 Grotes Flemish	bco.	for 1 old Crusado.
LEGHORN	810	..	————	gives 810 Rees	.....	for 1 Pezza of 8 Reals.
LONDON.....	53	..	————	receives 53 Pence sterling	....	for 1 Milree.
SPAIN	2700	..	————	gives 2700 Rees	.....	for 1 Doubl. of plate or Pistole of ex.
TRIESTE	450	..	————	gives 450 Rees	.....	for 1 Florin current.
VENICE.....	66	..	————	gives 66 Rees	.....	for 1 Lira Piccola.
VIENNA.....	450	..	————	gives 450 Rees	.....	for 1 Florin current.

[For the usances and other particulars relating to Bills of Exchange, see LISBON, vol. i.]

PAPER MONEY REDUCED TO EFFECTIVE.

Paper money is reduced to effective by saying: as 100 is to 100 less the discount, so is the sum in paper to the sum effective.

Reduce 277 Mil. 240 Rees in paper to effective; the discount being 12½ per cent.

R. Paper	R. Effective	R. Paper	R. Effective
As 100	: 87½	:: 277,240	: 242,585

EFFECTIVE MONEY REDUCED TO PAPER.

Effective money is reduced to paper by reversing the foregoing operation: that is, as 100 less the discount is to 100, so is the sum effective to the sum in paper.

Reduce 242 Mil. 585 Rees effective into paper; discount at 12½ per cent.

R. Effective	R. Paper	R. Effective	R. Paper
As 87½	: 100	:: 242,585	: 277,240

LEGAL MONEY REDUCED TO EFFECTIVE.

As legal money consists of half paper and half effective, it is reduced to effective by saying: as 100 is to 100 less half the discount, so is the sum in legal money to the sum in effective.

Reduce 28 Mil. 640 Rees legal money to effective; the discount on paper against effective money being 15 per cent.

		R. Legal	R. Effective
As 100	: 92½	:: 28,640	: 26,492

EFFECTIVE MONEY REDUCED TO LEGAL.

Effective money is reduced to legal by reversing the foregoing operation: that is, as 100 less half the discount is to 100, so is the sum in effective to the sum in legal money.

Reduce 26 Mil. 492 Rees effective to legal money; the discount on paper against effective money being 15 per cent.

		R. Effective	R. Legal
As 92½	: 100	:: 26,492	: 28,640

PAPER MONEY REDUCED TO LEGAL.

In order to reduce paper money to legal, it should be first reduced to effective, as above. Then, as 100 less half the discount is to 100, so is the sum in effective to the sum in legal money.

Reduce 232 Mil. 650 Rees paper money to legal; discount on paper being 20 per cent.

		Paper	Effective
As 100	: 80	:: 232,650	: 186,120

		Effective	Legal
And as 90	: 100	:: 186,120	: 206,800

Or the above question may be performed by a single statement: thus, as 90 is to 80, so is paper to legal money; that is, as 100 less half the discount is to 100 less the whole discount, so is paper to legal money.

LEGAL MONEY REDUCED TO PAPER.

Legal money is reduced to paper by reversing the foregoing statement: that is, as 100 is to 100 less half the discount, so is the sum in legal money to the sum in effective; and this is reduced to paper as above.

Reduce 206 Mil. 800 Rees legal money to paper; the discount on paper being 20 per cent.

		Legal	Effective
As 100	: 90	:: 206,800	: 186,120

		Effective	Paper
And as 80	: 100	:: 186,120	: 232,650

Or the above question may be performed by a single statement: thus, as 100 less the whole discount is to 100 less half the discount, so is the given sum in legal money to the sum in paper.

LISBON ON SPAIN.

Reduce 140 Dollars 3 Reals 18 Maravedis of plate into Portugal money; exchange at 2312 Rees per Doubloon of exchange of 4 Dollars of plate.

Dollars	Rees	Dollars	Reals	Mar.	Mil.	Rees
As 4	: 2,312	:: 140	3	18	: 81	175
8		8				
—		—				
32		1123				
34		34				
—		—				
1088		1088)88318400	(81	175		
		8704				
		—				
		1278.				

By the Chain Rule.

4 Dollars	=	140 Doll. 3 Reals 18 Mar.
1 Doubloon	=	1 Doub. of exchange.
	=	2312 Rees.

Result as above.

SPAIN ON LISBON.

Reduce 81 Mil. 175 Rees into Spanish money; exchange at 2312 Rees per Doubloon of exchange.

Rees	Dollars	Mil. Rees	Doll.	Reals	Marav.
As 2,312	: 4	:: 81,175	: 140	3	18
		4			
		—			
		2312)324700	(140	3	18
		2312			
		—			
		9350			
		9248			
		—			
		1020			

Remainder × 8 × 34 &c.

By the Chain Rule.

2312 Rees	=	81 Mil. 175 Rees.
1 Doubloon	=	1 Doubloon.
	=	4 Dollars.

Result as above.

LISBON ON VENICE.

Reduce 204 Lire 3 Soldi 7 Denari Piccoli into Portugal money; exchange at 67 Rees per Lira Piccola.

Lira	Rees	Lira	Sol.	Den.	Rees
As 1	: 67	:: 204	3	7	: 13,630
20		20			
—		—			
20		4083			
12		12			
—		—			
240		49003			
		67			
		—			
		24,0)328320,1	(13,680		
		24			
		—			
		88			

88 &c.

VENICE ON LISBON.

Reduce 13,680 Rees into Venetian money; exchange at 67 Rees per Lira Piccola.

Rees	Lira	Rees	Lira	Sol.	Den.
As 67	: 1	:: 13,680	: 204	3	7
		67)13,680	(204	3	7
		134			
		—			
		280			
		268			
		—			
		12			

Remainder × 20 × 12 &c.

LEIPSIC.

The monies of exchange and calculations for Leipsic are the same as those for *Berlin*, page 35.

MILAN.

MONIES OF EXCHANGE.

Exchanges are computed here in Lire, Soldi, and Denari correnti or imperiali.

12 Denari = 1 Soldo; 20 Soldi = 1 Lira.

106 Soldi or Lire imperiali = 150 Soldi or Lire correnti.

106 Soldi imperiali, or 150 Soldi correnti = 1 Filippo.

117 Soldi imperiali = 1 Scudo or Crown.

COURSE OF EXCHANGE,
From the Milan Quotation.
January, 1820.

EXPLANATION.

AMSTERDAM 56	..	MILAN	gives 56 Soldi correnti	for 1 Florin.
AUGSBURG 66	..	————	gives 66 Ditto	for 1 Florin current.
FRANCE 55	..	————	gives 55 Soldi imperiali	for 3 Francs.
GENOA 86	..	————	gives 86 Soldi correnti	for 4 Lire fuori banco.
HAMBURGH 49	..	————	gives 49 Ditto	for 1 Mark banco.
LEGHORN 132	..	————	gives 132 Ditto	for 1 Pezza of 8 Reals.
LONDON 32 15	..	————	gives 32 Lire 15 Soldi correnti . .	for £1 sterling.
NAPLES 108	..	————	gives 108 Soldi correnti	for 1 Ducato di regno.
ROME 138	..	————	gives 138 Ditto	for 1 Scudo Romano.
VENICE 96	..	————	gives 96 Ditto	for 1 Ducat current.
VIENNA 67½	..	————	gives 67½ Ditto	for 1 Florin current.

[For the usances and other particulars relating to Bills of Exchange, see MILAN, vol. i.]

MILAN ON AMSTERDAM.

Reduce 717 Florins 5 Stivers into money of Milan; exchange at 57 Soldi current per Florin.

Florin	Soldi	Florins	Stivers	Lire	Soldi	Den.
As 1	: 57	::	717 5	:	2044	3 3
20			20			
—			—			
20			14345			
			57			
			—			
			2,0)81766,5			
			—			
			2,0)40883,25			
			—			
			2044 Lire 3,25 Soldi			
			12			
			—			
			3,00			

By the Chain Rule.

1 Florin	=	717,25 Florins.
20 Soldi	=	57 Soldi.
	=	1 Lira.

Result as above.

AMSTERDAM ON MILAN.

Reduce 2044 Lire 3 Soldi 3 Denari current of Milan into Dutch money; exchange at 57 Soldi current per Florin.

Soldi	Florin	Lire	Soldi	Den.	Florins	Stivers
As 57	: 1	::	2044	3 3	:	717 5
12			20			
—			—			
684			40883			
			12			
			—			
			684)490599(717 5			
			4788			
			—			
			1179 &c.			

By the Chain Rule.

1 Lira	=	2044,1625 Lire.
57 Soldi	=	20 Soldi.
	=	1 Florin.

Result as above.

MILAN ON GENOA.

Reduce 3559 Lire 9 Soldi 4 Denari fuori banco into money of Milan; exchange at 85 Soldi current of Milan for 4 Lire fuori banco of Genoa.

Lire	Soldi	Lire	Sol.	Den.	Lire	Sol.	Den.
As 4	: 85	::	3559	9 4	:	3781	18 8
20	12		20				
—			—				
80	1020		71189				
12			12				
—			—				
960			854272				
			1020				
			—				
			96,0)87135744,0(907664				
			864				
			—				
			2,0)7563,8 8				
			735 &c.				
			3781 Lire 18 Sol. 8 Den.				

GENOA ON MILAN.

Reduce 3781 Lire 18 Soldi 8 Denari of Milan into money of Genoa; exchange at 85 Soldi current of Milan for 4 Lire fuori banco of Genoa.

Soldi	Lire	Lire	Soldi	Den.	Lire	Sol.	Den.
As 85	: 4	::	3781	18 8	:	3559	9 4
12			20				
—			—				
1020			75638				
			12				
			—				
			907664				
			4				
			—				
			102,0)363065,6(3559 9 4				
			306				
			—				
			570 &c.				

MILAN ON HAMBURGH.

Reduce 901 Marks 15 Schillings 4 Pfenings banco into money of Milan; exchange at 48 Soldi current per Mark banco.

Mark	Soldi	Mark	Sch.	Pfen	Lire	Soldi
As 1	: 48	:: 901	15	4	:	2164 14
16		16				
16		14431				
12		12				
192		173176				
		48				
		2,0				
192	)	8312448	(	43294		
		768				
		2164		14		Soldi.
		632				&c.

HAMBURGH ON MILAN.

Reduce 2164 Lire 14 Soldi current into money of Hamburg; exchange at 48 Soldi current per Mark banco.

Soldi	Mark	Lire	Soldi	Mks.	Sch.	Pf.
As 48	: 1	:: 2164	14	:	901	15 4
		20				
		48				
		43294	(	901	15	4
		432				
		94				
		48				
		46				

Remainder × 16 × 12 &c.

MILAN ON LEGHORN.

Reduce 1233 Pezze 11 Soldi 8 Denari into money of Milan; exchange at 135 Soldi of Milan per Pezza of 8 Reals.

Pezza	Soldi	Pezza	Soldi	Den.	Lire	Soldi	Den.
As 1	: 135	:: 1233	11	8	:	8326	13 9
	12	20					
	1620	24671					
		12					
		296060					
		1620					
		12					
24,0	)	47961720	(	1998405			
		24					
		2,0		16653,3		9	
		239				&c.	
		8326		13		9	Den.

LEGHORN ON MILAN.

Reduce 8326 Lire 13 Soldi 9 Denari of Milan into money of Leghorn; exchange at 135 Soldi per Pezza of 8 Reals.

Soldi	Pezza	Lire	Soldi	Den.	Pezza	Sol.	Den.
As 135	: 1	:: 8326	13	9	:	1233	11 8
	12	20					
	1620	166533					
		12					
		162,0	)	199840,5	(	1233	11 8
		162					
		378					&c.

MILAN ON LONDON.

Reduce £143 8s. 2d. sterling into money of Milan; exchange at 31 Lire 10 Soldi current per £ sterling.

£	Lire	Soldi	£	s.	d.	Lire	Soldi	Den.			
As 1	:	31	10	::	143	8	2	:	4517	7	3
20					20						
—					—						
20					2868						
12					12						
—					—						
240					34418						
					31½						
					—						
					240)1084167	(4517	7	3			
					960						
					—						
					1241	&c.					

LONDON ON MILAN.

Reduce 4517 Lire 7 Soldi 3 Denari current of Milan into sterling; exchange at 31 Lire 10 Soldi per £ sterling.

Lire	Soldi	£	Lire	Soldi	Den.	£	s.	d.			
As 31	10	:	1	::	4517	7	3	:	143	8	2
20					20						
—					—						
630					90347						
12					12						
—					—						
7560					756,0)108416,7	(143	8	2			
					756						
					—						
					3281	&c.					

Remainder × 20 × 12 &c.

MILAN ON ROME.

Reduce 2007 Scudi 31½ Bajocchi into money of Milan; exchange at 136 Soldi of Milan per Scudo.

Scudo	Soldi	Scudi	Baj.	Lire	Soldi	Den.			
As 1	:	136	::	2007	31,25	:	13649	14	6
					136				
					—				
					2,0)27299,4	5000			
					—				
					13649	Lire 14,5 Soldi			

ROME ON MILAN.

Reduce 13649 Lire 14 Soldi 6 Denari into Roman money; exchange at 136 Soldi of Milan per Roman Scudo or Crown.

Soldi	Scudo	Lire	Soldi	Den.	Scudi	Baj.			
As 136	:	1	::	13649	14	6	:	2007	31½
12				20					
—				—					
1632				272994					
				12					
				—					
				1632)3275934	(2007	31,25			
				3264					
				—					
				11934	&c.				

N.B. Milan, like many other parts of Italy, exchanges occasionally in Italian Livres, and the estimated proportion is that 27 Lire of Milan are worth 20,723 French Francs or Lire Italiane.

NAPLES.

MONIES OF EXCHANGE.

Exchanges are computed here in Ducats of 100 Grains.

10 Grani = 1 Carlino; and 10 Carlini \approx 1 Ducato di reguo.

COURSE OF EXCHANGE,
From the Naples Quotation.
January, 1820.

EXPLANATION.

AMSTERDAM	51 25	..	NAPLES	gives 51 Grains 25 Centimes	for 1 Florin.
ANCONA	125 50	..	————	gives 125 Grains 50 Centimes	for 1 Scudo.
AUGSBURG	61 35	..	————	gives 61 Grains 35 Centimes	for 1 Florin current.
FLORENCE	19 90	..	————	gives 19 Grains 90 Centimes	for 1 Lira Fiorentina.
FRANCE	24 25	..	————	gives 24 Grains 25 Centimes	for 1 Franc.
DITTO	433	..	————	receives 433 Centimes	for 1 Ducat.
GENOA	19 90	..	————	gives 19 Grains 90 Centimes	for 1 Lira fuori banco.
DITTO	101½	..	————	receives 101½ Soldi fuori banco	for 1 Ducat.
HAMBURGH	44 10	..	————	gives 44 Grains 10 Centimes	for 1 Mark banco.
LEGHORN	122 75	..	————	gives 122 Grains 75 Centimes	for 1 Pezza of 8 Reals.
LISBON	53 80	..	————	gives 53 Grains 80 Centimes	for 1 Crusado of 400 Rees.
DITTO	670	..	————	receives 670 Rees	for 1 Ducat.
LONDON	604	..	————	gives 604 Grains	for 1 £ sterling.
MILAN	18 30	..	————	gives 18 Grains 30 Centimes	for 1 Lira corrente.
DITTO	113	..	————	receives 113 Soldi correnti	for 1 Ducat.
PALERMO	120½	..	————	{ gives 120 Grains 75 Centimes	for 1 Scudo of 12 Tari.
				{ or 120½ Ducats	for 100 Sicilian Scudi.
ROME	127	..	————	gives 127 Ducats	for 100 Scudi Romani.
SPAIN	121	..	————	gives 121 Grains	for 1 Dollar of Plate.
TRIESTE	61 25	..	————	gives 61 Grains 25 Centimes	for 1 Florin of Augsburg.
VENICE	22 90	..	————	gives 22 Grains 90 Centimes	for 1 Italian Livre.
VIENNA	61 50	..	————	gives 61 Grains 50 Centimes	for 1 Florin current.

[For the usances and other particulars relating to Bills of Exchange, see NAPLES, vol. i.]

PALERMO.

MONIES OF EXCHANGE.

Exchanges are computed here in Oncie, Tari, and Grani; and also in Scudi, Tari, and Grani.

20 Grani or Grains = 1 Tari or Tarin. 30 Tari = 1 Oncia.

12 Tari = 1 Scudo or Sicilian Crown. 5 Scudi = 2 Oncie.

COURSE OF EXCHANGE,
From the Palermo Quotation.
January, 1820.

EXPLANATION.

AMSTERDAM ..	5½	.. PALERMO gives 5½ Tari	for 1 Florin.
FRANCE	47½	.. ——— gives 47½ Grani	for 1 Franc.
GENOA.....	39½	.. ——— gives 39½ Grani	for 1 Lira fuori banco.
HAMBURGH.....	4 6	.. ——— gives 4 Tari 6 Grani	for 1 Mark banco.
LEGHORN.....	12½	.. ——— gives 12½ Tari.....	for 1 Pezza.
LISBON.....	6¼	.. ——— gives 6¼ Tari	for 1 old Crusado.
LONDON	60	.. ——— gives 60 Tari	for 1 £ sterling.
NAPLES	121	.. ——— receives 121 Ducati	for 100 Sicilian Crowns.
ROME	12½	.. ——— gives 12½ Tari.....	for 1 Roman Scudo.
SPAIN	8¾	.. ——— gives 8¾ Tari	for 1 Peso of Plate.
TRIESTE	5 27	.. ——— gives 5 Tari 27 Grani	for 1 Florin current.

[For the usances and other particulars relating to Bills of Exchange, see SICILY, vol. i.]

PALERMO ON LONDON, see page 25.

PALERMO ON GENOA, see page 63.

PALERMO ON LEGHORN, see page 71.

PALERMO ON LISBON, see page 75.

PALERMO ON NAPLES, see page 81.

PALERMO ON AMSTERDAM.

Reduce 2564 Florins 10 Stivers into Sicilian money; exchange at $5\frac{1}{2}$ Tari per Florin.

Florin	Tari	Florins	Stivers	Oncie	Tari	Gr.
As 1	: $5\frac{1}{2}$	::	2564	10	:	470 4 15
20			20			
—			—			
20			51290			
			$5\frac{1}{2}$			
			—			
			2,0)28209,5			
			—			
			3,0)1410,4	15		
			—			
						470 On. 4 Tari 15 Grani.

LONDON ON PALERMO, see page 25.

GENOA ON PALERMO, see page 63.

LEGHORN ON PALERMO, see page 71.

LISBON ON PALERMO, see page 75.

NAPLES ON PALERMO, see page 81.

AMSTERDAM ON PALERMO.

Reduce 470 Oncie 4 Tari 15 Grani into Dutch money; exchange at $5\frac{1}{2}$ Tari per Florin.

Tari	Florin	Oncie	Tari	Grani	Florins	Stivers
As $5\frac{1}{2}$	: 1	::	470	4 15	:	2564 10
			30			
			—			
			14104			
			20			
			—			
			2,0			
			5,5)282095	(5129,0		
			—			
						2564 Florins 10 Stivers.

PALERMO ON SPAIN.

Reduce 4646 Dollars 5 Reals 14 Maravedis of plate into Sicilian money; exchange at $8\frac{1}{2}$ Tari per Dollar of plate.

Dol.	Tari	Dol.	Reals	Mar.	Oncie	Tari	Gr.
As 1	: $8\frac{1}{2}$	::	4646	5 14	:	1316 16 15
8			8				
—			—				
8			37173				
34			34				
—			—				
272			1263896				
			$8\frac{1}{2}$				
			—				
			3,0				
			272)10743116	(3949,6	15		
			816				
			—				
						1316 On. 16 Tari 15 Gr.	
						2583 &c.	

SPAIN ON PALERMO.

Reduce 1316 Oncie 16 Tari 15 Grani into Spanish money; exchange at $8\frac{1}{2}$ Tari per Dollar of plate.

Tari	Dollar	Oncie	Tari	Grani	Dollars	Reals	Mar.
As $8\frac{1}{2}$	: 1	::	1316	16 15	:	4646	5 14
20			30				
—			—				
170			39496				
			20				
			—				
					Dol.	Reals	Mar.
					17,0)78993,5	(4646	5 14
					68		
					—		
							109 &c.

Remainder $\times 8 \times 34$ &c.

PETERSBURG.

MONIES OF EXCHANGE.

Exchanges are computed here in Rubles and Copecks.

10 Copecks = 1 Grieve or Grievener.

10 Grieves, or 100 Copecks = 1 Ruble.

COURSE OF EXCHANGE,
From the Petersburg Quotation.
January, 1820.

EXPLANATION.

AMSTERDAM	$9\frac{11}{32}$	..	PETERSBURG receives $9\frac{11}{32}$ Stivers	for 1 Ruble.
CONSTANTINOPLE..	73	..	————— gives 73 Copecks	for 1 Piastre.
FRANCE	104	..	————— receives 104 Centimes	for 1 Ruble.
HAMBURGH	$8\frac{11}{32}$	..	————— receives $8\frac{11}{32}$ Schillings Lubs banco..	for 1 Ruble.
LEIPSIC	17	..	————— receives 17 Groschen ..	for 1 Ruble.
LONDON	$10\frac{1}{32}$	..	————— receives $10\frac{1}{32}$ Pence sterling	for 1 Ruble.
VIENNA	125	..	————— receives 125 Creutzers.....	for 1 Ruble.

[For the days of grace and other particulars relating to Bills of Exchange, see RUSSIA, vol. i.]

PETERSBURG ON AMSTERDAM.

Reduce 2655 Florins 13 Stivers 2½ Pennings into Russian money; exchange at 9½ Stivers per Ruble.

Stivers	Ruble	Florins	Stivers	Pen.	Rubles	Copecks
As 9½	: 1	:: 2655	13	2,5	: 5518	25
16		20				
<hr/>						
154		53103				
		16				
<hr/>						
					Rubles	Copecks
		154	8498105	(5518	25	
		770				
		798	&c.			

AMSTERDAM ON PETERSBURG.

Reduce 5518 Rubles 25 Copecks into Dutch money; exchange at 9½ Stivers per Ruble.

Ruble	Stivers	Rubles	Copecks	Florins	Sti.	Pen.
As 1	: 9½	:: 5518	25	: 2655	13	2½
		9,625				
<hr/>						
		2,0	5311,315625			
<hr/>						
		2655,6578125				
			20			
<hr/>						
		13,1562500				
			16			
<hr/>						
		2,5000000				

PETERSBURG ON FRANCE.

Reduce 7077 Francs 67 Centimes into Russian money; exchange at 1 Franc 10 Centimes per Ruble.

Franc	Cen.	Ruble	Francs	Cen.	Rubles	Cop.
As 1	10	: 1	: : 7077	67	: 6434	25
<hr/>						
		11,0	70776,7			
<hr/>						
			6434,25			

FRANCE ON PETERSBURG.

Reduce 6434 Rubles 25 Copecks into French money; exchange at 1 Franc 10 Centimes per Ruble.

Ruble	Franc	Cen.	Rubles	Copecks	Francs	Centimes
As 1	: 1	10	:: 6434	25	: 7077	67
				1,10		
<hr/>						
			7077,6750			

PETERSBURG ON LONDON.

Reduce £131 1s. 1d. sterling into Russian money; exchange at 9½d. per Ruble.

d.	Ruble	£	s.	d.	Rubles	Copecks
As 9½	: 1	: : 131	1	1	: 3466	90
						20
<hr/>						
					2621	
					12	
<hr/>						
					Rubles	
		9,125	31453	(3446,90		

LONDON ON PETERSBURG.

Reduce 3446 Rubles 90 Copecks into sterling; exchange at 9½d. per Ruble.

Ruble	d.	Rubles	Copecks	£	s.	d.
As 1	: 9½	:: 3446	90	: 131	1	1
<hr/>						
			3446,90			
			9,125			
<hr/>						
		240	31452,96250	(131,05401		
			240		20	
<hr/>						
		745	&c.	1,08020		
					12	
<hr/>						
				0,96240		

ROME.

MONIES OF EXCHANGE.

Exchanges are computed in Scudi moneta, and Bajocchi; or in Scudi di stampa, Soldi, and Denari d'oro. Quattrini and Mezzi Quattrini are also sometimes reckoned.

2 Mezzi Quattrini = 1 Quattrino.

5 Quattrini = 1 Bajocco.

10 Bajocchi = 1 Paolo; 10 Paoli, or 100 Bajocchi = 1 Scudo moneta, or Roman Crown.

1523 Mezzi Quattrini, or $152\frac{3}{8}$ Bajocchi = 1 Scudo di stampa d'oro, or gold Crown.

12 Denari d'oro = 1 Soldo d'oro; 20 Soldi d'oro = 1 Scudo di stampa d'oro.

COURSE OF EXCHANGE,
From the Roman Quotation.
January, 1820.

EXPLANATION.

AMSTERDAM	.... 44	.. ROME gives 44 Bajocchi	..... for 1 Florin.
ANCONA	..... 98	.. ——— gives 98 Scudi Romani	..... for 100 Scudi of Ancona.
BOLOGNA	..... 102	.. ——— gives 102 Scudi Romani	..... for 100 Scudi of Bologna.
FLORENCE	..... $104\frac{1}{4}$	.. ——— gives $104\frac{1}{4}$ Scudi di stampa d'oro	.... for 100 Scudi d'oro.
FRANCE	..... 105	.. ——— receives 105 Sous in Francs	..... for 1 Scudo.
GENOA	..... 128	.. ——— receives 128 Soldi fuori banco	..... for 1 Scudo.
LEGHORN	..... 96	.. ——— gives 96 Bajocchi	..... for 1 Pezza of 8 Reals.
LONDON	..... 47	.. ——— receives 47 Pence sterling	..... for 1 Scudo.
MILAN	..... $139\frac{1}{2}$	.. ——— gives $139\frac{1}{2}$ Scudi Romani	..... for 100 Scudi imperiali.
NAPLES	..... $127\frac{1}{2}$	.. ——— receives $127\frac{1}{2}$ Ducati di regno	..... for 100 Scudi Romani.
VENICE	..... 557	.. ——— receives 557 Centimes	..... for 1 Scudo.

[For the usances and other particulars relating to Bills of Exchange, see ROME, vol. i.]

ROME ON FRANCE.

Reduce 26813 Francs 54 Centimes into Roman money; exchange at 5 Francs 20 Centimes per Scudo moneta.

Francs	Cen.	Scudo	Francs	Cen.	Scudi	Baj.
As 5	20	: 1	:: 26813	54	: 5156	45
52,0(268135,4(5156,45						
260						
81 &c.						

FRANCE ON ROME.

Reduce 5156 Scudi 45 Bajocchi into French money; exchange at 5 Francs 20 Centimes per Scudo moneta. The operation is best performed decimally; thus,

Scudo	Francs	Scudi	Francs
As 1	: 5,20	:: 5156,45	: 26813,54
5,20			
26813,5400			

ROME ON GENOA.

Reduce 4017 Lire 3 Soldi 9 Denari fuori banco into Roman money; exchange at 125 Soldi fuori banco per Scudo moneta.

Soldi	Scudo	Lire	Sol.	Den.	Scudi	Baj.
As 125	: 1	:: 4017	3	9	: 642	75
12		× 20 × 12				
1500	15,00)	9641,25				
		642,75				

GENOA ON ROME.

Reduce 642 Scudi 75 Bajocchi into money of Genoa; exchange at 125 Soldi fuori banco per Scudo moneta.

Scudo	Soldi	Scudi	Baj.	Lire	Sol.	Den.
As 1	: 125	:: 642	75	: 4017	3	9
642,75						
125						
2,0)8034,375						
4017 Lire 3½ Soldi.						

ROME ON LONDON.

Reduce £937 11s. 5d. sterling into Roman money; exchange at 52d. sterling per Scudo.

d.	Scudo	£	s.	d.	Scudi	Baj.
As 52	: 1	:: 937	11	5	: 4327	25
20						
18751						
12						
Scudi Baj.						
52)225017(4327 25						
208						
170 &c.						

LONDON ON ROME.

Reduce 4327 Scudi 25 Bajocchi into sterling; exchange at 52d. sterling per Scudo.

Scudo	d.	Scudi	Bajoc.	£	s.	d.
As 1	: 52	:: 4327	25	: 937	11	5
4327,25						
52						
12)225017,00						
2,0)1875,1 5						
£937 11s. 5d.						

ROME ON MILAN, see page 79.

MILAN ON ROME, see page 79.

SPAIN.

MONIES OF EXCHANGE.

Exchanges are generally computed here in denominations of Plate, which is always understood to be Old Plate, if New Plate be not mentioned.

There are three principal denominations of these imaginary monies in which exchanges are generally transacted; viz. Dollars, Doubloons, and Ducats, and they are divided into Reals and Maravedis of Plate, and sometimes converted into Vellon and other denominations.

The Dollar of Exchange, also called *Peso* or *Piastre de Cambio* or *de Plata*, is divided into 8 Reals of 34 Maravedis of Plate each, and sometimes into 16 Quartos.

The *Doubloon de Plata*, or *Pistole* of Exchange, is four times the Dollar, and therefore contains 32 Reals or 1088 Maravedis of Plate.

The Ducat of Plate, also called *Ducado de Cambio*, contains 11 Reals 1 Maravedi, or 375 Maravedis of Plate.

At Alicant, Valencia, and Barcelona, exchanges are transacted in Libras of 20 Sueldos, or 240 Dineros.

The Libra of Alicant and Valencia is the Dollar of Plate. This is sometimes divided into 10 Reals of New Plate, which are, of course, equal to 8 Reals of Old Plate.

The Libra of Barcelona, commonly called *Libra Catalan*, is worth $5\frac{2}{7}$ Reals of Plate; hence 7 of those Libras equal 5 Dollars of Plate; and, therefore, 28 Sueldos Catalan equal 1 Dollar.

The Hard Dollar of 20 Reals Vellon is occasionally used in exchanges, and is also divided into 12 Reals, each Real of 16 Quartos. The Current Dollar, which is an imaginary money, valued at two-thirds of the Hard Dollar, is divided into 8 Reals, and the Real into 16 Quartos. The two latter are the principal monies of exchange used at Gibraltar.

COURSE OF EXCHANGE,
From the Cadiz Quotation.
February, 1820.

EXPLANATION.

AMSTERDAM....	96	.. CADIZ	receives 96 Grotes Flemish.....	for 1 Ducat of plate.
FRANCE.....	14	.. ———	receives 14 Francs.....	for 1 Doubloon of plate.
GENOA	125	.. ———	gives 125 Dollars of plate	for 100 Pezze of $5\frac{2}{7}$ Lire.
HAMBURGH	88	.. ———	receives 88 Grotes Flemish banco ..	for 1 Ducat of exchange.
LEGHORN	123	.. ———	gives 123 Dollars of plate	for 100 Pezze of 8 Reals.
LISBON	2700	.. ———	receives 2700 Rees	for 1 Doubloon of plate.
LONDON	$35\frac{3}{8}$	.. ———	receives $35\frac{3}{8}$ Pence sterling.....	for 1 Dollar of plate.
NAPLES.....	290	.. ———	gives 290 Maravedis of plate	for 1 Ducato di regno.

[For the usances and other particulars relating to Exchange, see SPAIN, also ALICANT, BARCELONA, BILBOA, CADIZ, CASTILLE, and GIBRALTAR, vol. i.]

SPAIN ON AMSTERDAM, see page 31.
 SPAIN ON FRANCE, see page 53.
 SPAIN ON GENEVA, see page 60.
 SPAIN ON GENOA, see page 64.
 SPAIN ON HAMBURGH, see page 67.
 SPAIN ON LEGHORN, see page 71.
 SPAIN ON LISBON, see page 75.
 SPAIN ON LONDON, see page 26.
 SPAIN ON NAPLES, see page 81.
 SPAIN ON PALERMO, see page 83.

AMSTERDAM ON SPAIN, see page 31.
 FRANCE ON SPAIN, see page 53.
 GENEVA ON SPAIN, see page 60.
 GENOA ON SPAIN, see page 64.
 HAMBURGH ON SPAIN, see page 67.
 LEGHORN ON SPAIN, see page 71.
 LISBON ON SPAIN, see page 75.
 LONDON ON SPAIN, see page 26.
 NAPLES ON SPAIN, see page 81.
 PALERMO ON SPAIN, see page 83.

The above are the principal places with which Spain exchanges, and, therefore, any further examples would be unnecessary if Bills were always drawn in Plate, the money in which the Courses of Exchange are quoted. But as they are sometimes drawn in other denominations, such as Reals Vellon, and Libras, of Alicant, Valencia, and Barcelona, it remains to show how these several currencies are converted into Plate.

It has been stated, p. 26, that Plate is reduced into Vellon by multiplying by 32 and dividing by 17, and *vice versa*; but when Bills are drawn in Hard Dollars, Reals, and Maravedis Vellon, which is sometimes done in Bilboa and the adjacent places, the operation becomes more complex, as in the following example.

BILBOA ON LONDON.

Reduce £800 4s. 8d. into Hard Dollars, Reals, and Maravedis; exchange at 52½d. per Hard Dollar.

34 Maravedis = 1 Real, 20 Reals = 1 Hard Dollar.

d.	Hard Dol.	£	s.	d.	Dollars	Reals	Mar.
As 52½	: 1	:	:	800 4 7½	:	2754	8 11
4	8	×	20	×	12	×	4
<hr/>							
210	8			768224			
	34			8704			
<hr/>							
272	210)	6686621696					
32		<hr/>					
	17)	31841055					
8704		<hr/>					
	34)	1873003					
		<hr/>					
	2,0)	5508,8 11					
		<hr/>					
		2754 H. Dol. 8 Reals 11 Mar.					

LONDON ON BILBOA.

Reduce 2754 Hard Dollars 8 Reals 11 Maravedis Vellon into sterling; exchange at 52½d. per Hard Dollar.

H. Dol.	d.	H. Dollars	Reals	Mar.	£	s.	d.
As 1	: 52½	:	:	2754 8 11	:	800	4 7½
8				20			
<hr/>							
8				55088			
34				34			
<hr/>							
272				1873003			
32				17			
<hr/>							
8704				31841051			
				52½			
				<hr/>			
				12			
8704)	1671655177½	(192055½					
	8704	<hr/>					
		2,0)1600,4 7					
	80125 &c.	<hr/>					
		£800 4s. 7½d.					

EXCHANGE CALCULATIONS.—SPAIN.

EFFECTIVE MONEY REDUCED TO PAPER.

Bills, when they are not made payable in *effective*, are paid in a paper money, called *Vales Reales*, which bears a considerable discount.

Effective money is therefore reduced to paper by saying: as 100 *minus* the discount is to 100, so is the effective sum to the sum in paper.

Reduce 743 Reals 10 Maravedis effective to paper money; discount at 48 per cent.

As 52	:	100	::	743	10	:	1429	14
				34				
				—————34)				
				52	2527200	(48600	(1429	14
				208		34		
				—————				
				447	&c.	146		

PAPER MONEY REDUCED TO EFFECTIVE.

Paper money is reduced to effective by reversing the foregoing operation: that is, as 100 is to 100 less the discount, so is the sum in paper to the effective sum.

Reduce 1429 Reals 14 Maravedis in paper into effective; discount at 48 per cent.

As 100	:	52	::	1429	14	:	743	10
				34				
				—————				
				48600				
				52				
				—————				
				34	25272,00	(743	10	
				238				
				—————				
				147	&c.			

LIBRAS OF ALICANT REDUCED TO REALS OF PLATE.

The Libras of Alicant and Valencia being Dollars of plate, are reduced to Reals by multiplying by 8. The Sueldos should be multiplied by 8 and divided by 20, because 20 Sueldos equal 8 Reals.

Reduce 314 Libras 11 Sueldos 3 Dineros of Alicant into Reals of plate.

Libras		Sucl.	Din.
314		11	3
8		8	
—————			
2512	Reals.	2,0	9,1
4	Reals 17		
—————			
		4½	Reals.

Ans. 2516 Reals 17 Mar.

REALS OF PLATE REDUCED TO LIBRAS OF ALICANT.

Reals of plate are reduced to Libras of Alicant and Valencia by dividing them by 8. The remainder, if there is any, should be multiplied by 20, and divided by 8, in order to reduce it to Sueldos.

Reduce 2516 Reals 17 Maravedis into Libras of Alicant.

Reals.
8)2516½
—————
314 Libras 4½ Reals.
20
—————
Sucl. Din.
8)90(11 3

Ans. 314 Libras 11 Sueldos 3 Dineros.

LIBRAS OF BARCELONA REDUCED TO REALS OF PLATE.

The Libras Catalan are reduced to Reals of plate by saying: as 7 Libras is to 40 Reals, so is the given number of Libras to the number of Reals sought.

Reduce 463 Libras 6 Sueldos 3 Dineros Catalan into Reals of plate.

Libras	Reals	::	Libras	Sucl.	Din.	:	Reals	Mar.
As 7	: 40	::	463	6	3	:	2647	17
			40					
			—————					
			18520					
5 Sueldos = ¼	.....		10					
1 Sueldo = ½	.....		2					
3 Dineros = ¾	.....		¾					
			—————					
			7	18532½				

Ans. 2647½ Reals of plate.

REALS OF PLATE REDUCED TO LIBRAS OF BARCELONA.

Reals of plate are reduced to Libras Catalan by reversing the foregoing operation: that is, as 40 Reals is to 7 Libras, so is the given number of Reals to the number of Libras sought.

Reduce 2647 Reals 17 Maravedis of plate to Libras Catalan.

Reals	Lib.	:	Reals	Mar.	:	Libras	Sucl.	Din.
As 40	: 7	:	2647	17	:	463	6	3
			7					
			—————					
			18529					
17 Maravedis = ½	..		3,5					
			—————					
			4,0	1853,25				
			—————					
					Libras Sucl. Din.			
					463,3125 =	463	6	3

STOCKHOLM.

MONIES OF EXCHANGE.

Exchanges are computed in Rixdollars specie, Skillings, and Fenings.

12 Fenings or Oers = 1 Skilling.

48 Skillings = 1 Rixdollar specie.

COURSE OF EXCHANGE,
From the Stockholm Quotation,
January, 1820.

		EXPLANATION.	
AMSTERDAM....	128	STOCKHOLM	gives 128 Skillings..... for 1 Rixdollar.
COPENHAGEN ..	86	—————	gives 86 Skillings for 1 Rixdollar.
DANTZIC	24	—————	gives 24 Skillings for 1 Florin.
FRANCE	25	—————	gives 25 Skillings for 1 Franc.
HAMBURGH	135	—————	gives 135 Skillings..... for 1 Rixdollar banco.
LEGNORNA	114	—————	gives 114 Skillings..... for 1 Pezza.
LISBON	51	—————	gives 51 Skillings for 1 old Crusado.
LONDON	12 10	—————	gives 12 Rixdollars 10 Skillings .. for 1 £ sterling.
PETERSBURG ..	25½	—————	gives 25½ Skillings..... for 1 Ruble.
SPAIN	110	—————	gives 110 Skillings..... for 1 Ducat of plate.

[For the usances and other particulars relating to Bills of Exchange, see SWEDEN, vol. i.]

TURIN.

MONIES OF EXCHANGE.

Exchanges are computed here in Lire, Soldi, and Denari.

12 Denari = 1 Soldo.

20 Soldi = 1 Lira.

COURSE OF EXCHANGE,
From the Turin Quotation.
January, 1820.

EXPLANATION.

AMSTERDAM..	35	..	TURIN	gives	35 Soldi	.....	for 1 Florin.	
AUGSBURG ..	43½	..	————	gives	43½ Ditto	.....	for 1 Florin current.	
FRANCE.....	20	1	..	————	gives	20 Lire 1 Soldo	.....	for 24 Francs.
GENEVA	82		..	————	gives	82 Soldi	.....	for 3 Livres current.
GENOA	9	10	..	————	gives	9 Lire 10 Soldi	.....	for 13 Lire 10 Soldi f. b.
HAMBURGH ..	31½		..	————	gives	31½ Soldi	.....	for 1 Mark banco.
LEGHORN	87½		..	————	gives	87½ Ditto	.....	for 1 Pezza of 8 Reals.
LONDON.....	21	5	..	————	gives	21 Lire 5 Soldi	.....	for £1 sterling.
MILAN	97½		..	————	gives	97½ Soldi	.....	for 1 Filippo or 7½ Lire correnti.
NAPLES.....	74		..	————	gives	74 Ditto	.....	for 1 Ducat.
ROME	87		..	————	gives	87 Ditto	.....	for 1 Scudo Romano.
SPAIN	63		..	————	gives	63 Ditto	.....	for 1 Dollar of exchange.
VENICE.....	94		..	————	gives	94 Ditto	.....	for 1 Ducat current.
VIENNA	43½		..	————	gives	43½ Ditto	.....	for 1 Florin current.

[For the usances and other particulars relating to Bills of Exchange, see **TURIN**, vol. i.]

VENICE.

MONIES OF EXCHANGE.

Exchanges have been computed here in Lire, Soldi, and Denari, Moneta piccola, and also in Ducats; but they are now generally computed in Centimes, of Italian Livres, which are similar to those of France.

- 12 Denari = 1 Soldo. 20 Soldi = 1 Lira. 6 Lire 4 Soldi piccoli = 1 Ducat current, or of account.
- 8 Lire piccoli = 1 Ducat effective.
- 100 Centimes = 1 Lira Italiana.
- 40,000 Lire piccoli = 30,467 Lire Italiane.

COURSE OF EXCHANGE,
From the Venetian Quotation.
January, 1820.

EXPLANATION.

AMSTERDAM.....	224	..	VENICE	gives	224 Centimes	.....	for 1 Florin.
ANCONA.....	540	..	————	gives	540 Centimes	.....	for 1 Scudo.
AUGSBURG.....	260	..	————	gives	260 Centimes	.....	for 1 Florin current.
CONSTANTINOPLE ..	83	..	————	gives	83 Centimes	.....	for 1 Piastre.
FRANCE.....	105	..	————	gives	105 Centimes	.....	for 1 Franc.
GENOA	86	..	————	gives	86 Centimes	.....	for 1 Lira fuori banco.
HAMBURGH	196	..	————	gives	196 Centimes	.....	for 1 Mark banco.
LEGHORN	533	..	————	gives	533 Centimes	.....	for 1 Pezza.
LISBON	66	..	————	receives	66 Rees	.....	for 1 Lira.
LONDON	26,30	..	————	gives	26,30 Centimes	.....	for 1 £ sterling.
MILAN	102	..	————	gives	102 Centimes	.....	for 100 Centimes.
NAPLES	433	..	————	gives	433 Centimes	.....	for 1 Ducato di regno.
PALERMO	13	..	————	gives	13 Lire	.....	for 1 Oncia.
ROME.....	550	..	————	gives	550 Centimes	.....	for 1 Scudo Romano.
VIENNA.....	261	..	————	gives	261 Centimes	.....	for 1 Florin effective.

[For the usances and other particulars relating to Bills of Exchange, see VENICE, vol. i.]

VENICE ON LONDON, see page 26.

VENICE ON CONSTANTINOPLE, see page 43.

VENICE ON GENOA, see page 64.

VENICE ON HAMBURGH, see page 68.

VENICE ON LISBON, see page 75.

LONDON ON VENICE, see page 26.

CONSTANTINOPLE ON VENICE, see page 43.

GENOA ON VENICE, see page 64.

HAMBURGH ON VENICE, see page 68.

LISBON ON VENICE, see page 75.

VENICE ON FRANCE.

Reduce 3372 Francs 30 Centimes into Venetian money; exchange at 2 Lire 5 Soldi piccoli per Franc.

Franc	Lire Soldi	Francs Cent.	Lire Soldi Den.
As 1	: 2 5	:: 3372 30	: 7587 13 6
	20	45	
	—	—	—
	45	2,0)15175,35,0	
		7587 13 5	
		12	
		—	
		6,0	

By Practice.

Francs	Cent.
3372	30
2 Lire 5 Soldi.	

6744	
5 Soldi = 1/4	.. 843
20 Centimes = 1/5	.. 0 9
10 Centimes = 1/10	.. 0 4 6

Ans. 7587 13 6

FRANCE ON VENICE.

Reduce 7587 Lire 13 Soldi 6 Denari piccoli into French money; exchange at 2 Lire 5 Soldi piccoli per Franc.

Lire Soldi	Franc	Lire Soldi Den.	Francs Cent.
As 2 5	: 1	: : 7587 13 6	: 3372 30
20		20	
—		—	
45		151753	
12		12	
—		—	
540	54,0)182104,2(3372,30	162	
		—	
		201 &c.	

By Decimals.

2 Lire 5 Soldi	=	2,25
7587 Lire 13 Soldi 6 Den.	=	7587,675

As 2,25 : 1 : : 7587,675 : 3372,30

The above is the mode of exchange formerly used, but as it is in a great measure discontinued, any further examples are deemed unnecessary.

VIENNA.

MONIES OF EXCHANGE.

Exchanges are computed in Florins and Creutzers, or in Rixdollars and Creutzers.

4 Pfenings = 1 Creutzer.

60 Creutzers = 1 Florin or Gulden.

1½ Florin, or 90 Creutzers = 1 Rixdollar of account.

2 Florins, or 120 Creutzers = 1 Rixdollar specie.

COURSE OF EXCHANGE,
From the Vienna Quotation.
January, 1820.

EXPLANATION.

AMSTERDAM	140	.. VIENNA gives 140 Rixdollars current	for 100 Rixdollars.
AUGSBURG	100	.. ——— gives 100 Rixdollars current	for 100 Rixds. current.
CONSTANTINOPLE..	112	.. ——— gives 112 Florins	for 100 Piastres.
FRANCE	119	.. ——— receives 119 Florins	for 100 Ecus of 3 Francs.
GENOA	30½	.. ——— receives 30½ Soldi fuori banco ..	for 1 Florin current.
HAMBURGH	148½	.. ——— gives 148½ Rixdollars current. . . .	for 100 Rixds. banco.
LEGHORN	57½	.. ——— receives 57½ Soldi moneta buona. .	for 1 Florin.
LONDON	9 52	.. ——— gives 9 Florins 52 Creutzers	for 1 £ sterling.
MILAN	67½	.. ——— receives 67½ Soldi correnti	for 1 Florin current.
PRAGUE	99½	.. ——— gives 99½ Florins	for 100 Florins current.
SMYRNA	112	.. ——— gives 112 Florins	for 100 Piastres.
VENICE	184	.. ——— gives 184 Florins	for 500 Lire piccole.

[For the usances and other particulars relating to Bills of Exchange, see VIENNA, vol. i.]

VIENNA ON CONSTANTINOPLE, see page 43.

VIENNA ON FRANCE, see page 53.

VIENNA ON HAMBURGH, see page 68.

VIENNA ON LONDON, see page 27.

VIENNA ON LEGHORN.

Reduce 2233 Pezze into Austrian money; exchange at 42 Soldi di Lira moneta buona per Austrian Florin.

[5½ Lire moneta buona = 1 Pezza of 8 Reals.]

	Pezze	Lire	Soldi di Lira
As 4 : 23 ::	2233	12839	15
	23		

	4)51359		

	12839 Lire 15 Soldi.		

Soldi	:	Florin	::	Lire	:	Soldi	:	Florins	:	Creutz.
Then, as 42	:	1	::	12839	:	15	:	6114	:	10
				20						
				-----				Fl.	:	Cr.
				42)256795	:	6114	:	10		
				252						

				47 &c.						

Remainder x 60 &c.

By the Chain Rule.

		2233 Pezze.
1 Pezza	=	115 Soldi di Lira.
42 Soldi	=	1 Florin.

Result as above.

CONSTANTINOPLE ON VIENNA, see page 43.

FRANCE ON VIENNA, see page 53.

HAMBURGH ON VIENNA, see page 68.

LONDON ON VIENNA, see page 27.

LEGHORN ON VIENNA.

Reduce 6114 Florins 10 Creutzers of Austria into money of Leghorn; exchange at 42 Soldi di Lira moneta buona per Florin.

Florin	:	Soldi	::	Florins	:	Creutzers	:	Lire	:	Soldi
As 1	:	42	::	6114	:	10	:	12839	:	15
				60						

				366850						
				42						

				6,0)1540770,0						

				2,0)25679,5						

				12839 Lire 15 Soldi.						

Lire	:	Soldi di Lira	:	Pezze
Then, as 23	:	4	::	12839
				15
				2233
				20

				256795
				4

				20)
				23)1027180(44660
				92

				2233
				107 &c.

By the Chain Rule.

		6114 Florins 10 Creutzers.
1 Florin	=	42 Soldi di Lira.
115 Soldi di Lira	=	1 Pezza.

Result as above.

UNITED STATES OF AMERICA.

MONIES OF EXCHANGE.

Exchanges are computed in Dollars, Dimes, and Cents; and in some places in Pounds, Shillings, and Pence currency.

10 Cents = 1 Dime; 10 Dimes, or 100 Cents = 1 Dollar.

The Dollar is also divided into 1000 parts, called Mills.

The par of the Dollar is reckoned at 4s. 6d. sterling.

12 Pence currency = 1 Shilling; 20 Shillings = 1 Pound.

[For the different currencies and values of the Dollar, see UNITED STATES, vol. i. and *Table of Coins*, vol. ii.]

COURSES OF EXCHANGE, FROM DIFFERENT QUOTATIONS.

New York, *January*, 1820.

AMSTERDAM.....	42 Cents per Florin or Gilder.
BREMEN.....	78 Cents per Rixdollar.
HAMBURGH	35 Cents per Mark banco.
LONDON, direct.....	£177½ currency for £100 sterling.
PARIS.....	5 Francs 40 Centimes per Dollar.

Philadelphia.

AMSTERDAM.....	40 Cents per Florin or Gilder.
HAMBURGH	35 Cents per Mark banco.
LONDON, 2 per cent. Premium	4s. 6d. sterling per Dollar.

Baltimore.

AMSTERDAM	40 Cents per Florin or Gilder.
HAMBURGH	33½ Cents per Mark banco.
LONDON at 60 days sight	101—that is—100 Cents for 4s. 6d. sterling, with 1 per cent. premium.

[For damages on returned bills, and other particulars relating to American Exchanges, see UNITED STATES, vol. i.]

LONDON ON AMERICA.

American money is reduced to sterling *at par* by saying: as 1 Dollar is to 4s. 6d. sterling, so is the given sum to the sum sought.

Reduce 1783 Dollars 80 Cents to sterling, at par.

Doll.	s.	d.	:	:	Doll.	Cents	:	:	£	s.	d.
As 1	:	4	6	:	1783	80	:	:	401	7	1
		.12				54			<i>Decimally.</i>		
		—				—			1783,80		
		54				7132			4,5		
						8915			—		
80 Cents = $\frac{4}{5}$..						43			891900		
						—			713520		
						12)96325			—		
						—			2,0)802,7,100		
						2,0)802,7 1			—		12
						—			£401	7s.	1d.
						—			401,7,1,2		

If the exchange be not at par, the difference is to be computed before the Dollars are reduced to sterling.

Reduce 4282 Dollars 50 Cents to sterling; exchange at 2 per cent. above par.

					Dollars	Cents	:	:	Dollars	Cents	
As 100	:	102	:	:	4282	50	:	:	4368	15	
Dollar	s.	d.			Dollars	Cents			£	s.	d.
And as 1	:	4	6	:	4368	15	:	:	982	16	8

Reduce 3646 Dollars 50 Cents to sterling; exchange at 2 per cent. under par.

					Dollars	Cents	:	:	Dollars		
As 102	:	100	:	:	3646	50	:	:	3575		
Dollar	s.	d.			Dollars				£	s.	d.
And as 1	:	4	6	:	3575		:	:	804	7	6

AMERICA ON LONDON.

Sterling is reduced to American money *at par* by reversing the annexed operation: that is, as 4s. 6d. is to 1 Dollar, so is the given sum to the sum sought.

Reduce £401 7s. 1d. sterling to American money, at par.

s.	d.	Dollar	:	:	£	s.	d.	:	:	Dollars	Cents
As 4	6	:	1	:	401	7	1	:	:	1783	80
		12				20					
		—				—					
		54				8027					
						12					
						—					
						54)96325(1783,796					
						54					
						—					
						423 &c.					

If the exchange be not at par, the difference is to be computed after the sterling has been reduced to Dollars.

Reduce £982 16s. 8d. to American money; exchange at 2 per cent. above par.

s.	d.	Dollar	:	:	£	s.	d.	:	:	Dollars	Cents
As 4	6	:	1	:	982	16	8	:	:	4368	15
										Dollars	Cents
And as 102	:	100	:	:	4368	15	:	:	4282	50	

Reduce £804 7s. 6d. to American money; exchange at 2 per cent. under par.

s.	d.	Dollar	:	:	£	s.	d.	:	:	Dollars	
As 4	6	:	1	:	804	7	6	:	:	3575	
										Dollars	Cents
And as 100	:	102	:	:	3575		:	:	3646	50	

When the discount or premium is at any of the following rates, the operation may be thus performed.

At $1\frac{1}{4}$ per cent. discount, *i. e.* under par, multiply the Dollars by 80, and divide by 81.

2	.....	50	.....	51.
2 $\frac{1}{2}$	.....	40	.....	41.
3 $\frac{1}{2}$	.....	80	.....	83.
4	.....	25	.....	26.
5	.....	20	.....	21.
6	.....	50	.....	53.
6 $\frac{1}{2}$	.....	16	.....	17.
7 $\frac{1}{2}$	.....	40	.....	43.
8	.....	25	.....	27.
8 $\frac{1}{2}$	.....	80	.....	87.
10	.....	10	.....	11.

If the exchange be at a premium, *i. e.* above par, the rule should be reversed.

The Dollars are afterwards reduced to sterling as above.

AMSTERDAM ON AMERICA.

American money is reduced to Dutch by saying : as the rate of exchange is to 1 Florin, so is the given sum to the sum sought.

[For the Dutch monies of exchange, see page 28.]

Reduce 4964 Dollars 67 Cents to Dutch money ; exchange at 36 Cents per Florin.

Cents	Florin	Dollars	Cents	Florins	Stivers
As 36	: 1	:: 4964	67	: 13790	15
		36)496467	(13790	15	
		36			
		—			
		136	&c.		

AMERICA ON AMSTERDAM.

Dutch money is reduced to American by reversing the annexed operation: that is, as 1 Florin is to the rate of exchange, so is the given sum to the sum sought.

Reduce 13790 Florins 15 Stivers to American money ; exchange at 36 Cents per Florin.

Florin	Cents	Florins	Stivers	Dollars	Cents
As 1	: 36	: : 13790	15	: 4964	67
20			20		
—			—		
20			275815		
			36		
			—		
			2,0)992934,0		
			—		
			Ans. 496467		Cents.

HAMBURGH ON AMERICA.

American money is reduced to that of Hamburg by saying : as the rate of exchange is to 1 Mark, so is the given sum to the sum sought.

[For the monies of exchange of Hamburg, see page 65.]

Reduce 378 Dollars 95 Cents to Hamburg money ; exchange at 33 Cents per Mark banco.

Cents	Mark	Dollars	Cents	Marks	Schill.	Pf.
As 33	: 1	:: 378	95	: 1148	5	4
		33)37895	(1148	5	4	
		33				
		—				
		48	&c.			

AMERICA ON HAMBURGH.

Hamburg money is reduced to American by reversing the annexed operation: that is, as 1 Mark is to the rate of exchange so is the given sum to the sum sought.

Reduce 1148 Marks 5 Schillings 4 Pfenings banco to American money ; exchange at 33 Cents per Mark banco.

Mark	Cents	Marks	Schill. Pf.	Dollars	Cents
As 1	: 33	: : 1148	5 4	: 378	95
16			16		
—			—		
16			18373		
12			12		
—			—		
192			220480	× 33 ÷ 192 =	378,95

FRANCE ON AMERICA.

American money is reduced to French by saying : as 1 Dollar is to the rate of exchange, so is the given sum to the sum sought.

[For the monies of exchange of France, see page 49.]

Reduce 1364 Dollars 60 Cents to French money ; exchange at 5 Francs 30 Centimes per Dollar.

Dollar	Francs Cen.	Dollars	Cents	Francs	Centimes
As 1	: 5 30	:: 1364	60	: 7232	38

AMERICA ON FRANCE.

French money is reduced to American by saying : as the rate of exchange is to 1 Dollar, so is the given sum to the sum sought.

Reduce 7232 Francs 38 Centimes to American money ; exchange at 5 Francs 30 Centimes per Dollar.

Francs Cen.	Dollar	Francs	Centimes	Dollars	Cents
As 5 30	: 1	: : 7232	38	: 1364	60

WEST INDIES.

MONIES OF EXCHANGE

12 Pence = 1 Shilling.
20 Shillings = 1 Pound currency.

[For the currencies and monies of the different islands, see the article WEST INDIES, vol. i.]

LONDON ON THE WEST INDIES.

West Indian currency is reduced to sterling by saying: as the rate of exchange is to 100, so is the given sum to the sum sought.

Reduce £778 16s. 4d. currency to sterling; exchange at £166 currency per £100 sterling.

As 166 : 100 :: £778 16s. 4d. ^{Currency} : £469 3s. 4d. ^{Sterling}

20	
15576	
12	
12	
166)18691600(112600	
166	
2,0)938,3 4	
209 &c.	
£469 3s. 4d. sterling.	

WEST INDIES ON LONDON.

Sterling is reduced to West Indian currency by reversing the foregoing operation: that is, as 100 is to the rate of exchange, so is the given sum to the sum sought.

Reduce £469 3s. 4d. sterling to West Indian currency; exchange at £166 currency per £100 sterling.

As 100 : 166 :: £469 3s. 4d. ^{Sterling} : £778 16s. 4d. ^{Currency}

20	
9383	
12	
112600	
166	
12)186916,00	
2,0)1557,6 4	
£778 16s. 4d. currency.	

Currency at the following prices may be thus reduced to sterling.

At 50 multiply by 2 & divide by 3	At 75 multiply by 4 & divide by 7
52½..... 40 61	77½..... 40 71
55..... 20 31	80..... 5 9
57½..... 40 63	82½..... 40 73
60..... 5 8	85..... 20 37
62½..... 8 13	87½..... 8 15
65..... 20 33	90..... 10 19
67½..... 40 67	92½..... 40 77
70..... 10 17	95..... 20 39
72½..... 40 69	97½..... 40 79

Sterling at the following prices may be thus reduced to currency.

At 50 multiply by 3 & divide by 2	At 75 multiply by 7 & divide by 4
52½..... 61 40	77½..... 71 40
55..... 31 20	80..... 9 5
57½..... 63 40	82½..... 73 40
60..... 8 5	85..... 37 20
62½..... 13 8	87½..... 15 8
65..... 33 20	90..... 19 10
67½..... 67 40	92½..... 77 40
70..... 17 10	95..... 39 20
72½..... 69 40	97½..... 79 40

[For the damages on returned bills, and other laws and customs relating to Exchanges, see WEST INDIES, vol. i.]

EAST INDIES.**MONIES OF EXCHANGE.**

The business of Exchange in India is chiefly carried on between the three Presidencies: viz. Bengal, Madras, and Bombay, which draw on each other at various dates, and mostly in the denominations of the Money of the place where the Bill is to be paid.

London draws on Bengal in Current Rupees, at 2s. more or less ;

Or in Sicca Rupees at 16 per cent. above current Rupees.

On Madras, in Pagodas at 7s. 6d. more or less.

On Bombay, in Rupees at 2s. 2d. more or less.

Such bills are mostly at 60 or 90 days sight, but bills from those places on London are generally drawn at 6, 9, or 12 months sight, in which case the Sicca Rupee is valued at 2s. 6d.; the Bombay Rupee at 2s. 4d. ; and the Pagoda of Madras at 8s. more or less.

Those Monies of Exchange are divided as follows :

BENGAL, CALCUTTA, &c.

12 Pice = 1 Anna. 16 Annas = 1 Rupee,

1 Sicca Rupee = 2s. 6d. sterling.

BOMBAY.

100 Rees = 1 Quarter. 4 Quarters = 1 Rupee.

1 Rupee = 2s. 4d. sterling.

MADRAS.

80 Cash = 1 Fanam. 45 Fanams = 1 Star Pagoda.

1 Star Pagoda = 8s. sterling.

To reduce any number of Rupees or Pagodas into sterling at a given rate of exchange, or the contrary, is an operation too simple to require illustration.

[For further particulars see EAST INDIES, vol. i.]

From the first example it will be seen, that it is the interest of the London Buyer or Remitter to pay the highest exchange for a Bill on a place which gives the uncertain price to London; and that the reverse is the interest of the Drawer or Seller. And from the second example it is obvious, that it is the interest of the London Buyer or Remitter to pay the lowest exchange for a Bill on a place to which London gives the uncertain price; and that the reverse is the interest of the Drawer or Seller. Hence the two following rules.

1.—*On a place to which London gives the CERTAIN PRICE a Bill should be drawn at the lowest course, and remitted at the highest.*

2.—*On a place to which London gives the UNCERTAIN PRICE a Bill should be drawn at the highest course, and remitted at the lowest.*

The above rules apply to any other places as well as London.

REMITTANCES AND RETURNS.

Bills of Exchange are sometimes bought and remitted directly to the place on which they are drawn, with orders to have Bills in return if the prices be favourable: and it should be observed that the reciprocal courses of exchange between two places should always differ, so as to be nearly equal to the interest of money and the expenses of remittance. Thus, the course of London on Dublin should differ about 1 per cent. from that of Dublin on London, in order to afford the Remitter from either place a regular profit on his Remittances and Returns on Bills at 21 days sight, the usual Term.

Suppose, for example, L of London purchases a Bill on Dublin, at 21 days sight, of £112 Irish for £100 English, which he remits to his agent at Dublin, desiring him to make Returns in Bills on London at 21 days sight; and suppose a Bill of £100 English is remitted back, which costs only £111 Irish, there is £1 Irish per cent. gained by the transaction: and the same would take place had the remittance been first made from Dublin on the above terms.

Now, to compute how much the difference here ought to be, the interest of 56 days must be reckoned (the usual time such Bills take in making returns); and this, with brokerage, postage, &c. will amount to 1 per cent. nearly; which is reckoned a *Fair Difference* in the exchange between London and Dublin on Bills of the above date.

It may be observed, however, that the difference is not always equivalent to the interest and expenses, but fluctuates according to circumstances, affording sometimes room for profitable operations.